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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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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:

2,749,864

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

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

2,749,864

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. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

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.

Copyright

Droits d'auteur

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 January 21, 2020 contains applications open to public inspection from January 5, 2020 to January 11, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 21 janvier 2020 contient les demandes disponibles au public pour consultation pour la période du 5 janvier 2020 au 11 janvier 2020.

Canadian Patents Issued

January 21, 2020

Brevets canadiens délivrés

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[72] VAN DER VOSSEN, EDWIN ANDRIES GERARD, NL
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[54] **SYSTEMES ET PROCEDES DESTINES A IMAGER SELECTIVEMENT DES OBJETS SUR UN AFFICHAGE D'OBJETS DE DONNEES TRIDIMENSIONNELS MULTIPLES**
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[54] **DISPOSITIF DE MODULATION DE LUMIERE POUR UN ECRAN BI- ET/OU TRIDIMENSIONNELS**
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[54] **HEAT SHOCK PROTEIN BINDING COMPOUNDS, COMPOSITIONS, AND METHODS FOR MAKING AND USING SAME**
[54] **COMPOSES DE LIAISON A UNE PROTEINE DE CHOC THERMIQUE, COMPOSITIONS ET PROCEDES POUR LES FABRIQUER ET LES UTILISER**
[72] CHIOSIS, GABRIELA, US
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[72] FLYNN, LAURIE A., US
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[54] **REDUCTION DE L'INTERFERENCE LEUCOCYTAIRE DANS DES IMMUNOESSAIS COMPETITIFS**
[72] CAMPBELL, JOHN LEWIS EMERSON, CA
[72] DAVIS, GRAHAM, US
[73] ABBOTT POINT OF CARE INC.,
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[54] **SYSTEME A BOUCLE FERMEE POUR PARURES DE FENETRE**
[72] LIN, TZONG-FU, TW
[73] WHOLE SPACE INDUSTRIES LTD.,
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[54] **IMPROVED STABLE AQUEOUS FORMULATION OF (E)-4-CARBOXYSTYRYL-4-CHLOROBENZYL SULFONE**
[54] **FORMULE AQUEUSE STABLE AMELIOREE DE (E)-4-CARBOXYSTYRYL-4-CHLOROBENZYL SULFONE**
[72] MANIAR, MANOJ, US
[73] ONCONOVA THERAPEUTICS, INC.,
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[25] EN
[54] **GENERATION OF CLONAL MESENCHYMAL PROGENITORS AND MESENCHYMAL STEM CELL LINES UNDER SERUM-FREE CONDITIONS**
[54] **GENERATION DE PROGENITEURS MESENCHYMATEUX CLONAUX ET DE LIGNEES DE CELLULES SOUCHES MESENCHYMATEUSES CLONALES DANS CONDITIONS EXEMPTES DE SERUM**
[72] VODYANYK, MAKSYM A., US
[72] SLUKVIN, IGOR I., US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION,
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[54] **SURGICAL INSTRUMENT AND SYSTEM**
[54] **INSTRUMENT CHIRURGICAL ET SYSTEME**
[72] BENN, CHRISTOPHER CHARLES, GB
[73] GYRUS MEDICAL LIMITED,
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[87] (2794814)
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[54] **COLD SPRAY OF NICKEL-BASE ALLOYS**
[54] **PULVERISATION A FROID D'ALLIAGES A BASE DE NICKEL**
[72] AJDELSZTAJN, LEONARDO, US
[72] HANLON, TIMOTHY, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2798035)
[87] (2798035)
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[54] **REDUCTION OF FOULING IN HIGH PRESSURE REACTORS**
[54] **REDUCTION DE L'ENCRASSEMENT DANS LES REACTEURS HAUTE PRESSION**
[72] TCHIR, WILLIAM JOSEPH, CA
[72] CHELUGET, ERIC, US
[73] NOVA CHEMICALS CORPORATION,
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[54] **HANDOVER WITH CARRIER AGGREGATION**
[54] **TRANSFERT INTERCELLULAIRE AVEC AGREGATION DE PORTEUSES**
[72] VAN LIESHOUT, GERT JAN, NL
[72] VAN DER VELDE, HIMKE, NL
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2012-11-07
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[54] **COMPOSITIONS AND METHODS FOR TREATING LEUKEMIA**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA LEUCEMIE**
[72] BRADNER, JAMES ELLIOTT, US
[72] ZUBER, JOHANNES, US
[72] SHI, JUNWEI, US
[72] VAKOC, CHRISTOPHER R., US
[72] LOWE, SCOTT W., US
[72] MITSIADES, CONSTANTINE S., US
[73] DANA-FARBER CANCER INSTITUTE, INC.,
[73] COLD SPRING HARBOR LABORATORY,
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[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING STEAM GENERATOR TUBE OPERATING CONDITIONS**
[54] **SYSTEME ET METHODE POUR SURVEILLER DES CONDITIONS D'EXPLOITATION DE TUBES GENERATEURS DE VAPEUR**
[72] XIA, HUA NMN, US
[72] KUMAR, ADITYA, US
[73] BL TECHNOLOGIES, INC.,
[86] (2799824)
[87] (2799824)
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[54] **METHOD AND SYSTEM FOR MONITORING STEAM GENERATION TUBE OPERATION CONDITIONS**
[54] **METHODE ET SYSTEME POUR SURVEILLER DES CONDITIONS D'EXPLOITATION DE TUBES GENERATEURS DE VAPEUR**
[72] XIA, HUA NMN, US
[72] KUMAR, ADITYA, US
[72] WANG, GUANGHUA, US
[73] BL TECHNOLOGIES, INC.,
[86] (2799830)
[87] (2799830)
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[25] EN
[54] **PREPARATION APPARATUS AND PREPARATION METHOD FOR DIALYSIS FLUID OF VARIABLE BICARBONATE ION CONCENTRATION TYPE, DIALYSATE OF VARIABLE BICARBONATE ION CONCENTRATION TYPE, AND DIALYSIS SYSTEM OF VARIABLE BICARBONATE ION CONCENTRATION TYPE**
[54] **APPAREIL DE PREPARATION ET METHODE DE PREPARATION POUR LIQUIDE DE DIALYSE D'UN TYPE DE CONCENTRATION D'IONS BICARBONATE VARIABLE, DIALYSAT D'UN TYPE DE CONCENTRATION D'IONS BICARBONATE VARIABLE ET SYSTEME DE DIALYSE D'UN TYPE DE CONCENTRATION D'IONS BICARBONATE VARIABLE**
[72] NOGUCHI, HIROSHI, JP
[72] KIKUISHI, JUNYA, JP
[72] AOYAMA, HIDEYUKI, JP
[72] HASHIMOTO, MINA, JP
[73] TOMITA PHARMACEUTICAL CO., LTD.,
[86] (2800187)
[87] (2800187)
[22] 2012-12-28
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[54] **SENSOR SYSTEMS HAVING MULTIPLE PROBES AND ELECTRODE ARRAYS**
[54] **SYSTEMES DE CAPTEUR AYANT DE MULTIPLES SONDES ET RESEAUX D'ELECTRODES**
[72] GOTTLIEB, REBECCA K., US
[72] CHIU, CHIA-HUNG, US
[72] RAMACHANDRAN, MEENA, US
[72] DANGUI-PATEL, NANDITA, US
[72] ROSE, JEFFERSON, US
[72] RAO, ASHWIN K., US
[72] WANG, HSIFU, US
[72] LUO, YING, US
[73] MEDTRONIC MINIMED, INC.,
[85] 2012-12-05
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[25] EN
[54] **USE OF SUGARS IN A STABILIZATION MATRIX AND SOLID COMPOSITIONS**
[54] **UTILISATION DE SUCRES DANS UNE MATRICE DE STABILISATION ET DES COMPOSITIONS SOLIDES**
[72] KIESEL, ELIZABETH, US
[72] ZURBEY, MATTHEW, US
[72] WILLIAMS, DOROTHY, US
[72] BESSE, MICHAEL E., US
[73] ECOLAB USA INC.,
[85] 2012-12-17
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[25] FR
[54] **WEAR ADJUSTMENT DEVICE WITH MECHANICAL LOCK**
[54] **DISPOSITIF DE COMPENSATEUR D'USURE AVEC BARRURE MECANIQUE**
[72] LEVASSEUR, CLERMONT, CA
[72] SIRBU, MARIUS, CA
[73] LEVASSEUR, CLERMONT,
[73] SIRBU, MARIUS,
[86] (2806923)
[87] (2806923)
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[51] **Int.Cl. B01J 31/28 (2006.01)**
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[54] **HYDROPROCESSING CATALYST WITH A SINGLE STEP METAL AND CHELANT INCORPORATION**
[54] **CATALYSEUR D'HYDROTRAITEMENT PREPARE PAR INCORPORATION, EN UNE SEULE ETAPE, D'UN METAL ET D'UN AGENT DE CHELATION**
[72] GABRIELOV, ALEXEI GRIGORIEVICH, US
[72] GANJA, ED, US
[72] TORRISI, SALVATORE PHILIP, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[85] 2013-02-07
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[54] **LUBRICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE LUBRIFICATION**
[72] LOMSAK, MICHAEL J., US
[73] LOMSAK, MICHAEL J.,
[86] (2809796)
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[22] 2013-03-18
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[25] EN
[54] **METHOD OF TERMINATING A STRANDED SYNTHETIC FILAMENT CABLE**
[54] **PROCEDE DE RACCORDEMENT D'UN CABLE DE FILAMENTS SYNTHETIQUES TORSADE**
[72] CAMPBELL, RICHARD, US
[72] SEDILES, DAVID, US
[72] HILBIG, DAVID, US
[72] WORTHAM, KRISTOPHER L., US
[73] BRIGHT TECHNOLOGIES, LLC,
[85] 2013-03-06
[86] 2011-09-26 (PCT/US2011/001657)
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[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED STABILITY OF ELECTROCHEMICAL SENSORS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'AMELIORER LA STABILITE DE CAPTEURS ELECTROCHIMIQUES**
[72] CHATELIER, RONALD C., AU
[72] HODGES, ALASTAIR M., AU
[73] CILAG GMBH INTERNATIONAL,
[85] 2013-03-19
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[51] **Int.Cl. G06Q 20/00 (2012.01) H04L 9/32 (2006.01)**
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[54] **INTEGRATION OF VERIFICATION TOKENS WITH MOBILE COMMUNICATION DEVICES**
[54] **INTEGRATION DE JETONS DE VERIFICATION A DES DISPOSITIFS DE COMMUNICATION MOBILE**
[72] HAMMAD, AYMAN, US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION,
[85] 2013-04-25
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[54] **BACKGROUND PEAK MONITORING FOR ION MOBILITY SPECTROMETRY**
[54] **SURVEILLANCE DE PICS D'ARRIERE-PLAN POUR SPECTROMETRIE DE MOBILITE IONIQUE**
[72] DEBONO, RENO F., US
[72] BURTON, JULIAN C., US
[73] SMITHS DETECTION MONTREAL INC.,
[85] 2013-04-26
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[54] **FAULTS AND PERFORMANCE ISSUE PREDICTION**
[54] **PREDICTION DE PROBLEMES DE PERFORMANCE ET DE DEFAILLANCES**
[72] GADHER, BHARAT, CA
[72] IDRIS, FAYEZ, CA
[73] IGT CANADA SOLUTIONS ULC,
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[87] (2816469)
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[54] **EXOPOLYSACCHARIDE PRODUCED BY PSEUDOALTERMONAS SP. USEFUL FOR THE TREATMENT AND CARE OF THE SKIN, MUCOUS MEMBRANES, HAIR AND/OR NAILS**
[54] **EXOPOLYSACCHARIDE POUR LE TRAITEMENT ET/OU LES SOINS DE LA PEAU, DES MEMBRANES MUQUEUSES, DES CHEVEUX ET/OU DES ONGLES**
[72] COURTOIS, ANTHONY, FR
[72] THOLLAS, BERTRAND, FR
[72] DELGADO, RAQUEL, ES
[72] CEBRIAN, JUAN, ES
[72] SOLEY, ALBERT, ES
[73] LIPOTEC S.A.,
[73] POLYMARIS BIOTECHNOLOGY,
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[25] EN
[54] **PULSE GENERATOR FOR CRANIAL NERVE STIMULATION**
[54] **GENERATEUR D'IMPULSIONS POUR STIMULATION DE NERF CRANIEN**
[72] COOK, IAN A., US
[72] DEGIORGIO, CHRISTOPHER M., US
[72] EKCHIAN, LEON, US
[72] MILLER, PATRICK, US
[72] KEALEY, COLIN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
[73] NEUROSIGMA, INC.,
[85] 2013-05-29
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[30] US (61/418,382) 2010-11-30

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[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING THE DISPENSATION OF MEDICATIONS FROM A MEDICATION DISPENSER**
[54] **PROCEDE ET SYSTEME POUR COMMANDER L'ADMINISTRATION DE MEDICAMENTS A PARTIR D'UN DISTRIBUTEUR DE MEDICAMENT**
[72] NIINISTO, JYRKI, FI
[72] APELL, MIKA, FI
[73] EVONDOS OY,
[86] (2821616)
[87] (2821616)
[22] 2013-07-22
[30] EP (12 178 605.7) 2012-07-31

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[25] EN
[54] **SERRATIA PLYMUTHICA FOR BIOLOGICAL CONTROL OF BACTERIAL PLANT PATHOGENS**
[54] **SERRATIA PLYMUTHICA DANS LA REGULATION BIOLOGIQUE DE PATHOGENES DE VEGETAUX BACTERIENS**
[72] VAN DER WOLF, JEAN MARTIN, NL
[72] CZAJKOWSKI, ROBERT LUKASZ, PL
[72] VAN VEEN, JOHANNES ANTONIE, NL
[73] STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN,
[73] STICHTING WAGENINGEN RESEARCH,
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[30] GB (1100427.2) 2011-01-11

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[51] **Int.Cl. B05B 1/30 (2006.01) B65D 83/20 (2006.01)**
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[54] **VARIABLE SPRAY HEAD**
[54] **TETE DE PULVERISATION VARIABLE**
[72] KWASNY, HANS-PETER, DE
[73] PETER KWASNY GMBH,
[85] 2013-07-29
[86] 2012-01-25 (PCT/EP2012/000326)
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[30] DE (10 2011 009 627.2) 2011-01-28

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[13] C
[51] **Int.Cl. B64D 11/02 (2006.01) B64D 11/04 (2006.01)**
[25] EN
[54] **MODULAR CABIN SEGMENT, CABIN FOR A VEHICLE AND VEHICLE WITH A CABIN**
[54] **SEGMENT DE CABINE MODULAIRE, CABINE DESTINEE A UN VEHICULE ET VEHICULE DOTE D'UNE CABINE**
[72] SCHLIWA, RALF, DE
[72] STRASDAS, MARIA, DE
[73] AIRBUS OPERATIONS GMBH,
[85] 2013-08-14
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[30] DE (10 2011 011 704.0) 2011-02-18
[30] US (61/444,452) 2011-02-18

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[13] C
[51] **Int.Cl. A01D 75/00 (2006.01) A01D 93/00 (2009.01) A01D 41/06 (2006.01) A01D 45/02 (2006.01)**
[25] EN
[54] **SELF-CENTERING COVER FOR HINGED ROW CROP HARVESTING HEAD**
[54] **COUVERCLE A AUTO-CENTRAGE POUR TETE D'ABATTAGE DE CULTURES EN RANGEES ARTICULEE**
[72] BOMLENY, DUANE M., US
[72] VAN METER, DOUGLAS, US
[72] KREHBIEL, NATHAN E., US
[72] VANDEVEN, MICHAEL L., US
[73] DEERE & COMPANY,
[86] (2827681)
[87] (2827681)
[22] 2013-09-20
[30] US (61/703,745) 2012-09-20
[30] US (14/025,278) 2013-09-12

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[51] **Int.Cl. B03D 1/01 (2006.01) C07C 29/34 (2006.01) C07C 217/08 (2006.01)**
[25] EN
[54] **AMINE AND DIAMINE COMPOUNDS AND THEIR USE FOR INVERSE FROTH FLOTATION OF SILICATE FROM IRON ORE**
[54] **COMPOSES D'AMINE ET DE DIAMINE ET LEUR UTILISATION POUR UNE FLOTTATION PAR MOUSSAGE INVERSE DE SILICATE A PARTIR DE MINERAI DE FER**
[72] BITTNER, CHRISTIAN, DE
[72] NIEBERLE, JORG, DE
[72] VON VACANO, BERNHARD ULRICH, DE
[72] BERGER, ALEXSANDRO, DE
[72] BOHN, ROLAND, DE
[72] OETTER, GUNTER, DE
[73] BASF SE,
[85] 2013-09-24
[86] 2012-04-10 (PCT/EP2012/056398)
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[30] US (61/474758) 2011-04-13
[30] EP (11162183.5) 2011-04-13

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[13] C
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[25] EN
[54] **METHOD FOR QUANTITATIVELY DETECTING 8-OXO 2'-DEOXYGUANOSINE IN AQUEOUS SAMPLE SOLUTION WITH HIGH SENSITIVITY**
[54] **PROCEDE HAUTEMENT SENSIBLE DE DETECTION QUANTITATIVE DE LA 8-OXO 2'-DESOXYGUANOSINE DANS UNE SOLUTION ECHANTILLON AQUEUSE**
[72] SASAKI, SHIGEKI, JP
[72] NAKAGAWA, OSAMU, JP
[72] LI, ZHICHUN, JP
[72] TAKAKI, ATSUSHI, JP
[72] SAITOH, SACHIYO, JP
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[54] **ETAT DE SYSTEMES DE DETERMINATION DE CHARGE ET PROCEDES ASSOCIES**
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[72] CHANG, TSUN YU, TW
[73] CHANGS ASCENDING ENTERPRISE CO., LTD.,
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[25] EN
[54] **METHOD FOR PRODUCING INJECTABLE FORMULATIONS OF BLOOD-DERIVED PROTEIN MATERIALS, AND MATERIALS OBTAINED USING SAID METHOD**
[54] **PROCEDE DE PRODUCTION DE FORMULATIONS INJECTABLES DE PRODUITS PROTEIQUES HEMODERIVES ET PRODUITS OBTENUS SUIVANT CE PROCEDE**
[72] SEGURA RUIZ, ALVARO, CR
[72] VARGAS ARROYO, MARIANGELA, CR
[72] LEON MONTERO, GUILLERMO, CR
[72] VILLALTA ARRIETA, MAUREN, CR
[72] HERRERA VEGA, MARIA, CR
[72] ANGULO UGALDE, YAMILETH, CR
[73] UNIVERSIDAD DE COSTA RICA,
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[54] **METHOD OF DETECTING AT LEAST ONE MECHANISM OF RESISTANCE TO CARBAPENEMS BY MASS SPECTROMETRY**
[54] **PROCEDE DE DETECTION D'AU MOINS UN MECANISME DE RESISTANCE AUX CARBAPENEMES PAR SPECTROMETRIE DE MASSE**
[72] CHARRETIER, YANNICK, FR
[72] CHARRIER, JEAN-PHILIPPE, FR
[72] FRANCESCHI, CHRISTINE, FR
[72] ZAMBARDI, GILLES, FR
[72] DEGOUT-CHARMETTE, ELODIE, FR
[72] CECCHINI, TIPHAINE, FR
[73] BIOMERIEUX INC.,
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[54] **GANT ETANCHE REVERSIBLE**
[72] SAVILLE, TARA J., US
[72] SALE, MARK D., US
[72] PAULSON, JAY B., US
[73] BALDWIN BARLOW & BARING INC.,
[85] 2013-10-21
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[54] **METHODS FOR DIAGNOSING DEGENERATIVE JOINT DISEASE**
[54] **PROCEDE DE DIAGNOSTIC D'ARTHROSE**
[72] HANNAH, STEVEN SCOTT, US
[72] SHERRILL, SCOTT, US
[72] LI, QINGHONG, US
[72] SUN, PEICHUAN, US
[73] SOCIETE DES PRODUITS NESTLE S.A.,
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[54] **DISPOSITIF SUPPORT POUR UN ENSEMBLE D'EQUILIBRAGE DE FENETRE**
[72] SOFIANEK, JAY, US
[72] DENORMAND, RICHARD S., US
[73] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC,
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[54] **DISPOSITIF ET PROCEDE DE POSE PAR INVERSION POUR PROTHESE**
[72] GAINOR, JOHN P., US
[72] WILSON, ROBERT F., US
[72] NELSON, DALE K., US
[72] CZYSCON, JOSEPH S., US
[73] HLT, INC.,
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[54] **EQUIPEMENT ET PROCEDE DE PRESSION POUR LA PRODUCTION DE MOZZARELLA AYANT UNE GEOMETRIE SENSIBLEMENT BIDIMENSIONNELLE**
[72] SPADON, FABRIZIO, IT
[73] GRANAROLO S.P.A.,
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[54] **ORGANIC INFRARED ATTENUATION AGENTS**
[54] **AGENTS D'ATTENUATION INFRAROUGE ORGANIQUES**
[72] ANNAN, NIKOI, US
[72] DELAVIZ, YADOLLAH, US
[72] HAN, XIANGMIN, US
[72] LOH, ROLAND, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC,
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[54] **EMULSIONS AQUEUSES CONTENANT DES ACIDES NUCLEIQUES**
[72] BRITO, LUIS, US
[72] CHAN, MICHELLE, US
[72] GEALL, ANDREW, US
[72] O'HAGAN, DEREK, US
[72] SINGH, MANMOHAN, US
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[73] MILLQVIST, EVA,
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[54] **METHOD FOR SAFE AND ECONOMICAL OPERATION OF AN ELECTROLYSER**
[54] **PROCEDE PERMETTANT UN FONCTIONNEMENT SUR ET RENTABLE D'UN ELECTROLYSEUR**
[72] KIEFER, RANDOLF, DE
[72] BAUMER, ULF-STEFFEN, DE
[72] WAGNER, DIETMAR, DE
[72] STREITBORGER, MICHAEL, DE
[73] THYSSENKRUPP UHDE GMBH,
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[54] **STEERING AND DRIVE ASSEMBLY**
[54] **ENSEMBLE DE DIRECTION ET DE PROPULSION**
[72] SWASEY, MERIN, US
[72] KIRBY, TYLER, US
[72] HOTH, KELLY, US
[73] BOOMERANG SYSTEMS, INC.,
[85] 2014-01-08
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[54] **PROCESS FOR PRODUCING VIRAL ANTIGEN AND VACCINES**
[54] **PROCEDE POUR PRODUIRE UN ANTIGENE VIRAL ET DES VACCINS**
[72] CUI, YI-QING, NL
[72] WANG, YIDING, NL
[72] THUS, JO, NL
[72] VAN 'T HOF, RON, NL
[72] SHAKER, SABAH, NL
[72] VAN ROOIJ, GEERTJE JACOBA, NL
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[54] **SYSTEM AND METHOD FOR SEPARATION OF MATERIALS OF DIFFERENT SPECIFIC GRAVITIES**
[54] **SYSTEME ET PROCEDE PERMETTANT UNE SEPARATION DE MATERIAUX PRESENTANT DES DENSITES SPECIFIQUES DIFFERENTES**
[72] WASHBURN, KLINTON D., US
[73] WASHBURN, KLINTON D.,
[85] 2014-01-06
[86] 2012-07-06 (PCT/US2012/045785)
[87] (WO2013/006807)
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[54] **MOLECULE FV MULTIVALENTE DE LIAISON A UN ANTIGENE**
[72] LITTLE, MELVYN, DE
[72] LE GALL, FABRICE, FR
[73] AFFIMED THERAPEUTICS AG,
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[54] **USE OF IL-12 TO GENERATE ENDOGENOUS ERYTHROPOIETIN**
[54] **UTILISATION D'IL-12 POUR GENERER DE L'ERYTHROPOIETINE ENDOGENE**
[72] BASILE, LENA A., US
[73] NEUMEDICINES, INC.,
[85] 2014-01-23
[86] 2012-07-27 (PCT/US2012/048540)
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[54] **TURBO-COMPRESSOR TRAIN WITH ROLLING BEARINGS AND RELATED ASSEMBLY METHOD**
[54] **TRAIN DE TURBOCOMPRESSEUR A PALIERS A ROULEMENT ET PROCEDE D'ASSEMBLAGE ASSOCIE**
[72] LANDI, GIACOMO, IT
[72] PEANO, GUIDO, IT
[72] CAMATTI, MASSIMO, IT
[72] NALDI, LORENZO, IT
[73] NUOVO PIGNONE S.P.A.,
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[54] **PROPHYLACTIC KIT APPARATUS**
[54] **APPAREIL POUR KIT PROPHYLACTIQUE**
[72] DANCHISIN, JENNIFER E., US
[72] GREGORY, TOM, SR., US
[72] HENRIKSON, STEVE, US
[72] ADLER, DEBORAH, US
[73] MEDLINE INDUSTRIES, INC.,
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[54] **PLATEFORME MOBILE D'ENCAISSEMENT DE TRANSACTIONS**
[72] KJELSBAK, JENS, DK
[72] HART-HANSEN, JESPER, DK
[72] MCELLIGOTT, JOHN, DK
[73] EBAY INC.,
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[54] **METHOD FOR PREPARING NANO PARTICLES**
[54] **PROCEDE DE PREPARATION DE NANOPARTICULES**
[72] KIM, KAB SIG, KR
[72] PARK, JOO WON, KR
[73] BIO-SYNECTICS, INC.,
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[54] **MOLDED ARTICLE OF POLYMER ELECTROLYTE COMPOSITION AND SOLID POLYMER TYPE FUEL CELL USING SAME**
[54] **ARTICLE MOULE EN COMPOSITION D'ELECTROLYTE POLYMERIQUE ET PILE A COMBUSTIBLE A POLYMERES SOLIDES L'UTILISANT**
[72] KUNITA, TOMOYUKI, JP
[72] IZUHARA, DAISUKE, JP
[72] FUJIEDA, YUKA, JP
[73] TORAY INDUSTRIES, INC.,
[85] 2014-03-19
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[54] **PIPE SUPPORT**
[54] **SUPPORT DE TUYAU**
[72] DWORAK, DALLAS MARTIN, JR., US
[73] EATON INTELLIGENT POWER LIMITED,
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[86] 2012-09-28 (PCT/US2012/057956)
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[54] **STATUS MONITOR FOR CASINO PRINT SYSTEM AND CORRESPONDING METHODS FOR STATUS MONITORING**
[54] **MONITEUR D'ETAT POUR SYSTEME D'IMPRESSION DE CASINO ET PROCEDES CORRESPONDANTS DE SURVEILLANCE D'ETAT**
[72] SHULDMAN, BART, US
[72] CLARKE, SHAWN KEVIN, CA
[72] BROOKS, DONALD, US
[73] TRANSACT TECHNOLOGIES INCORPORATED,
[85] 2014-03-25
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[87] (WO2013/049091)
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[54] **INORGANIC POLYMER/ORGANIC POLYMER COMPOSITES AND METHODS OF MAKING SAME**
[54] **COMPOSITES DE POLYMERE INORGANIQUE/POLYMERE ORGANIQUE ET PROCEDES POUR LES PREPARER**
[72] HILL, RUSSELL L., US
[72] MAJORS, RUSS, US
[73] BORAL IP HOLDINGS (AUSTRALIA) PTY LIMITED,
[85] 2014-04-07
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[54] **DISPOSITIF DE DISTRIBUTION DE FLUIDE**
[72] ALLSOP, PAUL, GB
[73] CONSORT MEDICAL PLC,
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[54] **AMINOPYRIMIDINE KINASE INHIBITORS**
[54] **INHIBITEURS D'AMINOPYRIMIDINE KINASE**
[72] BALDINO, CARMEN M., US
[72] CASERTA, JUSTIN L., US
[72] LEE, CHEE-SENG, US
[72] DUMAS, STEPHANE A., US
[72] FLANDERS, YVONNE L., US
[73] JASCO PHARMACEUTICALS, LLC,
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[54] **CASTELLATED OPTICAL FIBER CABLE RETENTION STRUCTURE**
[54] **STRUCTURE DE RETENUE CRENELEE DE CABLE A FIBRES OPTIQUES**
[72] CHEN, YANG, US
[72] HLL, KING-FU, US
[72] MENGESHA, TEWODROS, US
[72] BOSCH, FRED, US
[72] MORGAN, CHRIS, US
[72] VALLANCE, ROBERT RYAN, US
[73] NANOPRECISION PRODUCTS, INC.,
[85] 2014-05-01
[86] 2012-11-02 (PCT/US2012/063459)
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[30] US (61/554,938) 2011-11-02

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[25] EN
[54] **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING A QUASI-CYCLIC LOW DENSITY PARITY CHECK CODE IN A MULTIMEDIA COMMUNICATION SYSTEM**
[54] **APPAREIL ET PROCEDE POUR EMETTRE ET RECEVOIR UN CODE DE VERIFICATION DE PARITE DE FAIBLE DENSITE QUASI-CYCLIQUE DANS UN SYSTEME DE COMMUNICATION MULTIMEDIA**
[72] YANG, HYUN-KOO, KR
[72] HWANG, SUNG-HEE, KR
[72] MYUNG, SEHO, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2014-05-06
[86] 2012-11-09 (PCT/KR2012/009466)
[87] (WO2013/070022)
[30] KR (10-2011-0117855) 2011-11-11
[30] KR (10-2012-0111459) 2012-10-08

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[25] EN
[54] **WAVE POWERED GENERATOR**
[54] **HOULOGENERATEUR**
[72] FOSTER, GRAHAM, GB
[73] MARINE POWER SYSTEMS LIMITED,
[85] 2014-05-07
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[25] EN
[54] **ASSESSING CRYPTOGRAPHIC ENTROPY**
[54] **EVALUATION D'ENTROPIE CRYPTOGRAPHIQUE**
[72] BROWN, DANIEL RICHARD L., CA
[73] BLACKBERRY LIMITED,
[85] 2014-05-16
[86] 2012-09-26 (PCT/CA2012/050672)
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[54] **DESIGN FOR A PART MADE FROM 3D WOVEN COMPOSITE MATERIAL**
[54] **CONCEPTION D'UNE PIECE EN MATERIAU COMPOSITE TISSE 3D**
[72] MARCHAL, YANN, FR
[72] MAHIEU, JEAN-NOEL, FR
[73] SNECMA,
[85] 2014-05-13
[86] 2012-11-12 (PCT/FR2012/052594)
[87] (WO2013/072606)
[30] FR (1160374) 2011-11-15

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[54] **OIL WELL PRODUCT TREATMENT**
[54] **TRAITEMENT DE PRODUITS EN PROVENANCE D'UN PUITS DE PETROLE**
[72] COETZEE, MICHIEL, GB
[72] BOWE, MICHAEL JOSEPH, GB
[73] COMPACTGTL LIMITED,
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[54] **2-(SUBSTITUTED-PHENYL)-CYCLOPENTANE-1,3-DIONE COMPOUNDS, AND DERIVATIVES THEREOF**
[54] **COMPOSES DE 2-(PHENYL SUBSTITUE)-CYCLOPENTANE-1,3-DIONES ET LEURS DERIVES**
[72] AVERY, ALARIC JAMES, GB
[72] PHADTE, MANGALA MAHADEV, IN
[72] SCUTT, JAMES NICHOLAS, GB
[72] TAYLOR, JOHN BENJAMIN, GB
[72] VINER, RUSSELL COLIN, GB
[72] WAILES, JEFFREY STEVEN, GB
[73] SYNGENTA LIMITED,
[73] SYNGENTA PARTICIPATIONS AG,
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[54] **COCOA-BASED FOOD PRODUCTS**
[54] **PRODUITS ALIMENTAIRES A BASE DE CACAO**
[72] PETYAEV, IVAN, GB
[73] IP SCIENCE LIMITED,
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[54] **DISPOSITIF ELECTRONIQUE ET PROCEDE DE FOURNITURE DE NOTIFICATION VISUELLE D'UNE COMMUNICATION RECUE**
[72] BOCKING, ANDREW D., CA
[72] LINDSAY, DONALD JAMES, CA
[72] RYDENHAG, DANIEL TOBIAS, SE
[73] BLACKBERRY LIMITED,
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[54] **LAME DE BATON DE HOCKEY COMPORTANT DES REGIONS DE PERFORMANCE ADAPTEES**
[72] PEARSON, ROBERT T., US
[72] SNOW, MICHAEL L., US
[72] MOUNTAIN, MICHAEL, US
[73] BAUER HOCKEY LTD.,
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[54] **IMPROVEMENTS IN AND RELATING TO CUSHIONS**
[54] **AMELIORATIONS APPORTEES ET RELATIVES AUX COUSSINS**
[72] JENSEN, GEMMA, GB
[73] JENSEN, GEMMA,
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[54] **OPTICALLY TRANSPARENT DERMAL FILLER COMPOSITIONS COMPRISING HYALURONIC ACID CROSSLINKED WITH DIAMINES OR MULTIAMINES**
[54] **COMPOSITIONS DE REMPLISSAGE DERMAL OPTIQUEMENT TRANSPARENTES RENFERMANT UN ACIDE HYALURONIQUE RETICULE AVEC DES DIAMINES OU DES MULTIAMINES**
[72] NJIKANG, GABRIEL N., US
[72] YU, XIAOJIE, US
[72] LIU, FUTIAN, US
[72] MANESIS, NICHOLAS J., US
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[54] **RECEIVING APPARATUS, RECEIVING METHOD, AND PROGRAM**
[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION ET PROGRAMME ASSOCIE**
[72] KITAZATO, NAOHISA, JP
[72] DEWA, YOSHIHARU, JP
[72] YAMAGISHI, YASUAKI, JP
[72] KITAHARA, JUN, JP
[72] EYER, MARK, US
[73] SONY CORPORATION,
[73] SONY ELECTRONICS INC.,
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[54] **METHOD FOR FORMING FORGED PARTS**
[54] **PROCEDE DE FORMAGE DE PIECES FORGEES**
[72] BACHMANN, MARKUS, DE
[73] CDP BHARAT FORGE GMBH,
[85] 2014-06-13
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[54] **METHOD AND APPARATUS FOR REDUCING THE POWER OF A SIGNAL ELECTROMAGNETICALLY COUPLED FROM A PLC MEDIUM TO A DSL MEDIUM**
[54] **PROCEDE ET APPAREIL POUR REDUIRE LA PUISSANCE D'UN SIGNAL COUPLE PAR ELECTROMAGNETISME D'UN SUPPORT PLC A UN SUPPORT DSL**
[72] PARNELL, ROBERT S., US
[73] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC.,
[85] 2014-06-16
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[54] **OPERATING METHOD IN HYDROMETALLURGY OF NICKEL OXIDE ORE**
[54] **PROCEDE DE FABRICATION D'OXYDE DE MAGNESIUM**
[72] OZAKI, YOSHITOMO, JP
[72] TAKAHASHI, JUN-ICHI, JP
[72] YAMASHITA, YU, JP
[72] OHARA, HIDEKI, JP
[73] SUMITOMO METAL MINING CO., LTD.,
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[54] **METHOD OF EXOSOME ANALYSIS, REAGENT FOR EXOSOME ANALYSIS, AND ANALYZER FOR EXOSOME**
[54] **PROCEDE D'ANALYSE D'EXOSOME, REACTIF POUR L'UTILISATION DANS L'ANALYSE D'EXOSOME, ET APPAREIL D'ANALYSE D'EXOSOME**
[72] OCHIYA, TAKAHIRO, JP
[73] THEORIA SCIENCE INC.,
[85] 2014-06-20
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[54] **METHODS, SYSTEMS, AND COMPOSITIONS FOR PROMOTING RECOVERY OF PERIPHERAL NEUROPATHY**
[54] **PROCEDES, SYSTEMES, ET COMPOSITIONS POUR FAVORISER LA RECUPERATION D'UNE NEUROPATHIE PERIPHERIQUE**
[72] CHOPP, MICHAEL, US
[72] ZHANG, ZHENGGANG, US
[72] MORRIS, DANIEL C., US
[72] WANG, LEI, US
[73] HENRY FORD HEALTH SYSTEM,
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[54] **INHALATION DEVICE FOR POWDERED DRUGS**
[54] **DISPOSITIF D'INHALATION POUR MEDICAMENTS EN POUDRE**
[72] HERDER, MARTIN, DE
[72] LUDANEK, GERHARD, DE
[72] METT, INGO, DE
[72] SCHMIDT, JOACHIM, DE
[73] ASTRAZENECA AB,
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[54] **DISPOSITIF ET PROCEDE DE CONCHAGE DE MASSE COMESTIBLE**
[72] KRUIVER, JAN, NL
[73] ROYAL DUYVIS WIENER B.V.,
[85] 2014-07-15
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[54] **CHEMOENZYMATIC GLYCOENGINEERING OF ANTIBODIES AND FC FRAGMENTS THEREOF**
[54] **GLYCO-INGENIERIE CHIMIO-ENZYMATIQUE D'ANTICORPS ET DE LEURS FRAGMENTS FC**
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[72] HUANG, WEI, US
[73] UNIVERSITY OF MARYLAND, BALTIMORE,
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[54] **FLUSHING HYDRANT**
[54] **RINCAGE DE BOUCHE D'INCENDIE**
[72] FLEURY, LEO W., US
[72] ROY, NORMAND JAMES, US
[72] WILLIAMS, JAMES OLA, US
[72] CLARK, KENNETH A., US
[72] PARISH, EDWARD C., US
[73] MUELLER INTERNATIONAL, LLC,
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[54] **LIQUID AND SOIL REPELLENT COMPOSITIONS FOR FIBERS**
[54] **COMPOSITIONS D'IMPERMEABILISATION ET ANTI-SALISSURES POUR FIBRES**
[72] IVERSON, ISAAC K., US
[72] COPENHAFER, JAMES E., DE
[72] CHARLES, KELCEY N., US
[72] IVY, MICHELLE A., US
[73] INVISTA TEXTILES (U.K.) LIMITED,
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[54] **SLIP DEVICE FOR WELLBORE TUBULARS**
[54] **DISPOSITIF DE COIN DE RETENUE POUR TUBULURES DE PUITS DE FORAGE**
[72] FABELA, GEORGE, US
[72] LOUVIER, DEWEY JAMES, US
[72] COPPEDGE, CHARLES DON, US
[72] TSENG, SHYANG WEN, US
[73] BASTION TECHNOLOGIES, INC.,
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[54] **ECHANGEUR DE CHALEUR A ENVELOPPE ET PLAQUE MODULAIRE**
[72] TAYLOR, CREED, US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC,
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[54] **FOUR A BANDE TRANSPORTEUSE**
[72] MCKEE, PHILIP R., US
[73] OVENTION, INC.,
[85] 2014-08-12
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[54] **HYDROGEN SUPPLY METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'ALIMENTATION EN HYDROGENE**
[72] OATES, ROMMEL M., US
[72] DADEBO, SOLOMON, US
[73] PRAXAIR TECHNOLOGY, INC.,
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[54] **FLOW CONTROL DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE REGULATION DU DEBIT**
[72] TINNEN, BARD, NO
[72] SORTVEIT, HAVAR, NO
[73] TENDEKA B.V.,
[85] 2014-08-19
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[54] **DERIVES PYRAZOLO-TRIAZINE UTILES EN TANT QU'INHIBITEURS DES KINASES DEPENDANT DES CYCLINES**
[72] EICKHOFF, JAN, DE
[72] ZISCHINSKY, GUNTHER, DE
[72] KOCH, UWE, DE
[73] LEAD DISCOVERY CENTER GMBH,
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[54] **COMMUNICATION SANS FIL POUR DES DISPOSITIFS MEDICAUX PORTES SUR LE CORPS**
[72] SEARLE, GARY, US
[72] BURNS, DEBORAH, US
[72] BURNS, BRUCE, US
[72] MASON, DAVID, US
[72] HWANG, CHARLES, US
[73] BECTON, DICKINSON AND COMPANY,
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[25] EN
[54] **RECIRCULATING VERTICAL WIND TUNNEL SKYDIVING SIMULATOR AND REDUCED DRAG CABLE FOR USE IN WIND TUNNELS AND OTHER LOCATIONS**
[54] **SIMULATEUR DE PARACHUTISME SPORTIF A SOUFFLERIE VERTICALE DE RECIRCULATION ET CABLE DE HALAGE REDUIT UTILISE DANS LES SOUFFLERIES VERTICALES ET AUTRES EMPLACEMENTS**
[72] METNI, N. ALAN, US
[72] KITCHEN, WILLIAM J., US
[72] MORT, KENNETH W., US
[72] EASTLAKE, CHARLES N., US
[72] PALMER, MICHAEL J., US
[73] SKYVENTURE INTERNATIONAL (UK) LTD.,
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[54] **APPAREIL POUR UN CAPTEUR DE SPECTRE ELECTROMAGNETIQUE SURVEILLANT UNE PERFUSION INTRAVASCULAIRE**
[72] WARREN, GARY P., US
[72] BOWERS, MARILYN J., US
[72] ALLEY, MATTHEW S., US
[72] ANCHELL. SCOTT J., US
[73] IVWATCH, LLC,
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[54] **RETENTION INDEX STANDARDS FOR LIQUID CHROMATOGRAPHY**
[54] **NORMES D'INDICE DE RETENTION POUR LA CHROMATOGRAPHIE EN PHASE LIQUIDE**
[72] QUILLIAM, MICHAEL ARTHUR, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA,
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[54] **MECANISME D'INSERTION SOUS-CUTANEE D'AIGUILLES**
[72] HADVARY, PAUL, CH
[72] TSCHIRKY, HANSJORG, CH
[73] PHARMASENS AG,
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[54] **PROMEDICAMENTS DE MEDICAMENTS COMPRENANT DES GROUPES HYDROXYLE**
[72] HERSEL, ULRICH, DE
[72] LESMANN, TORBEN, DE
[72] RAU, HARALD, DE
[73] ASCENDIS PHARMA A/S,
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[54] **APPAREIL ET PROCEDE DE FIXATION D'APOPHYSE EPINEUSE**
[72] ROBINSON, JAMES C., US
[73] SPECTRUM SPINE IP HOLDINGS LLP,
[85] 2014-10-01
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[54] **FLEXIBLE PACKAGES HAVING MULTIPLE LINES OF WEAKNESS TO FACILITATE OPENING**
[54] **EMBALLAGES SOUPLES COMPORTANT PLUSIEURS LIGNES DE MOINDRE RESISTANCE POUR FACILITER L'OUVERTURE**
[72] DOLL, PAUL EDWARD, US
[72] AMPADU, KOFI, US
[73] KRAFT FOODS GROUP BRANDS LLC,
[85] 2014-10-03
[86] 2013-04-03 (PCT/US2013/035113)
[87] (WO2013/154883)
[30] US (13/442,760) 2012-04-09

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[51] **Int.Cl. E01C 19/10 (2006.01)**
[25] EN
[54] **DEVICE FOR PRODUCING HOT COATED PRODUCTS HAVING A BRANCHED OUTLET AND EXTERNAL MIXER AND METHOD FOR PRODUCING CORRESPONDING HOT COATED PRODUCTS**
[54] **DISPOSITIF DE FABRICATION DE PRODUITS ENROBES A CHAUD A SORTIE DERIVE ET MALAXEUR EXTERNE ET PROCEDE DE FABRICATION D'ENROBES A CHAUD CORRESPONDANTS**
[72] CARRASCO, ANTOINE, FR
[73] ARGUMAT,
[85] 2014-10-07
[86] 2013-04-12 (PCT/FR2013/050799)
[87] (WO2013/153341)
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[51] **Int.Cl. F01D 9/04 (2006.01) B23K 1/00 (2006.01) B23P 6/00 (2006.01) B23P 15/00 (2006.01) B23P 15/04 (2006.01) F01D 25/28 (2006.01)**
[25] FR
[54] **METHOD AND TOOLING FOR ASSEMBLING A GUIDE VANE STAGE**
[54] **PROCEDE ET UN OUTILLAGE DE MONTAGE D'UN ETAGE REDRESSEUR**
[72] CHARDONNET, ROMAIN RENE MARCEL, FR
[72] PETIT, PATRICK GILBERT, FR
[72] MARTINEZ, ALAIN, FR
[73] SNECMA,
[85] 2014-10-07
[86] 2013-04-12 (PCT/FR2013/050800)
[87] (WO2013/156715)
[30] FR (1253493) 2012-04-16

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[51] **Int.Cl. A01K 13/00 (2006.01)**
[25] EN
[54] **ANIMAL BRUSHING ARRANGEMENT AND METHOD OF OPERATING ANIMAL BRUSHING ARRANGEMENT**
[54] **AGENCEMENT DE BROSSAGE D'ANIMAL ET PROCEDE DE FONCTIONNEMENT D'UN AGENCEMENT DE BROSSAGE D'ANIMAL**
[72] VAN DER POEL, HANS, NL
[73] DELAVAL HOLDING AB,
[85] 2014-10-27
[86] 2013-03-13 (PCT/SE2013/050231)
[87] (WO2013/176596)
[30] SE (1250525-1) 2012-05-23
[30] US (61/650,527) 2012-05-23

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[13] C
[51] **Int.Cl. G21C 13/02 (2006.01) B01D 53/00 (2006.01) G21C 9/004 (2006.01)**
[25] EN
[54] **FILTER FOR A NUCLEAR REACTOR CONTAINMENT VENTILATION SYSTEM**
[54] **FILTRE POUR UN SYSTEME DE VENTILATION DE CONFINEMENT DE REACTEUR NUCLEAIRE**
[72] NILSSON, PER-OLOF, SE
[73] WESTINGHOUSE ELECTRIC COMPANY LLC,
[85] 2014-11-26
[86] 2013-06-18 (PCT/US2013/046215)
[87] (WO2014/007977)
[30] US (61/668,585) 2012-07-06
[30] US (13/792,401) 2013-03-11

[11] **2,875,005**
[13] C
[51] **Int.Cl. A47K 10/38 (2006.01)**
[25] EN
[54] **SHEET PRODUCT DISPENSER WITH LOAD INDUCEMENT PORTION**
[54] **DISTRIBUTEUR DE PRODUIT EN FEUILLE AYANT UNE PARTIE D'ACTIVATION DE CHARGE**
[72] CITTADINO, ANTONIO M., US
[72] MATTHEEUSSEN, STEVEN B., US
[72] MUDAY, TOM, US
[73] GPCP IP HOLDINGS LLC,
[85] 2014-11-27
[86] 2013-05-29 (PCT/US2013/043000)
[87] (WO2013/181193)
[30] US (61/652,508) 2012-05-29

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[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **PHOSPHORAMIDIC ACID PRODRUGS OF 5-[5-PHENYL-4-(PYRIDIN-2-YLMETHYLAMINO) QUINAZOLIN-2-YL] PYRIDINE-3-SULFONAMIDE**
[54] **PROMEDICAMENTS D'ACIDE PHOSPHORAMIDIQUE DE 5-[5-PHENYL-4-(PYRIDIN-2-YLMETHYLAMINO)QUINAZOLIN -2-YLE]PYRIDINE-3-SULFONAMIDE**
[72] WARRIER, JAYAKUMAR S., IN
[72] YADEV, NAVNATH DNYANOBA, IN
[73] BRISTOL-MYERS SQUIBB COMPANY,
[85] 2014-12-10
[86] 2013-06-10 (PCT/US2013/044882)
[87] (WO2013/188254)
[30] US (61/657,913) 2012-06-11

[11] **2,877,161**
[13] C
[51] **Int.Cl. G10L 19/032 (2013.01) G10L 19/08 (2013.01)**
[25] EN
[54] **LINEAR PREDICTION BASED AUDIO CODING USING IMPROVED PROBABILITY DISTRIBUTION ESTIMATION**
[54] **CODAGE AUDIO PAR PREDICTION LINEAIRE UTILISANT UNE ESTIMATION DE DISTRIBUTION DE PROBABILITE AMELIOREE**
[72] BACKSTROM, TOM, DE
[72] HELMRICH, CHRISTIAN, DE
[72] FUCHS, GUILLAUME, DE
[72] MULTRUS, MARKUS, DE
[72] DIETZ, MARTIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[85] 2014-12-18
[86] 2013-06-19 (PCT/EP2013/062809)
[87] (WO2014/001182)
[30] US (61/665,485) 2012-06-28

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[51] **Int.Cl. F04F 5/44 (2006.01) E21B 47/008 (2012.01) E21B 43/12 (2006.01) F04F 1/20 (2006.01)**
[25] EN
[54] **JET PUMP DATA TOOL SYSTEM**
[54] **SYSTEME D'OUTIL DE DONNEES DE POMPE A INJECTION**
[72] FALK, KELVIN, CA
[72] MASON, CLINT, CA
[73] SOURCE ROCK ENERGY PARTNERS INC.,
[85] 2014-12-18
[86] 2012-07-05 (PCT/CA2012/050455)
[87] (WO2013/003958)
[30] US (61/504,895) 2011-07-06

[11] **2,877,300**
[13] C
[51] **Int.Cl. A01K 37/00 (2006.01)**
[25] EN
[54] **ANIMAL DETERRENT DEVICE WITH INSULATED FASTENERS**
[54] **DISPOSITIF DE DISSUASION D'ANIMAL AYANT DES ORGANES DE FIXATION ISOLES**
[72] RIDDELL, CAMERON A., US
[73] BIRD BARRIER AMERICA, INC.,
[73] RIDDELL, CAMERON A.,
[85] 2014-12-18
[86] 2013-05-14 (PCT/US2013/040848)
[87] (WO2014/003904)
[30] US (13/533,846) 2012-06-26

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[13] C
[51] **Int.Cl. A23N 12/08 (2006.01) A23F 5/04 (2006.01)**
[25] EN
[54] **SMOKELESS COFFEE ROASTER**
[54] **TORREFACTEUR DE CAFE NE DEGAGEANT PAS DE FUMEE**
[72] LUDWIG, MARK L., US
[73] LORING SMART ROAST, INC.,
[85] 2014-12-18
[86] 2013-06-21 (PCT/US2013/047001)
[87] (WO2013/192502)
[30] US (13/529,838) 2012-06-21

[11] **2,879,186**
[13] C
[51] **Int.Cl. B64D 41/00 (2006.01)**
[25] FR
[54] **EMERGENCY POWER SUPPLY DEVICE FOR AN AIRCRAFT AND AIRCRAFT PROVIDED WITH SUCH A DEVICE**
[54] **DISPOSITIF D'ALIMENTATION DE SECOURS POUR AERONEF ET AERONEF POURVU D'UN TEL DISPOSITIF**
[72] MORA, JEROME, FR
[73] LABINAL POWER SYSTEMS,
[85] 2015-01-15
[86] 2013-07-11 (PCT/FR2013/051669)
[87] (WO2014/016492)
[30] FR (1257113) 2012-07-23

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[51] **Int.Cl. C12P 7/44 (2006.01) C07C 51/36 (2006.01) C07C 51/377 (2006.01) C07C 51/38 (2006.01) C07C 59/235 (2006.01) C12P 7/50 (2006.01)**
[25] EN
[54] **ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS**
[54] **VOIES DE RECHANGE VERS DES ADIPATES ET DE L'ACIDE ADIPIQUE PAR DES PROCEDES COMBINES DE FERMENTATION ET DE CATALYSE**
[72] MILLIS, JAMES R., US
[72] LAU, MAN KIT, US
[73] BIOAMBER INC.,
[85] 2015-01-30
[86] 2013-09-11 (PCT/US2013/059170)
[87] (WO2014/043182)
[30] US (61/701,096) 2012-09-14

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[13] C
[51] **Int.Cl. G01L 5/00 (2006.01) F16B 31/02 (2006.01)**
[25] EN
[54] **A LOAD-INDICATING DEVICE**
[54] **DISPOSITIF INDICATEUR DE CHARGE**
[72] CENEY, STAN, GB
[72] PHIPPS, MARIA JANE, GB
[73] TENSCON LIMITED,
[85] 2015-02-10
[86] 2012-08-29 (PCT/GB2012/052114)
[87] (WO2013/030567)
[30] GB (1115040.6) 2011-08-31

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[51] **Int.Cl. H04N 13/111 (2018.01) H04N 5/351 (2011.01) G06T 7/80 (2017.01) H04N 13/271 (2018.01)**
[25] EN
[54] **METHOD AND IMAGE PROCESSING SYSTEM FOR DETERMINING PARAMETERS OF A CAMERA**
[54] **PROCEDE ET INSTALLATION DE TRAITEMENT D'IMAGES POUR DETERMINER DES PARAMETRES D'UNE CAMERA**
[72] HERLING, JAN, DE
[72] BROLL, WOLFGANG, DE
[73] FACEBOOK, INC.,
[85] 2015-02-25
[86] 2012-09-28 (PCT/EP2012/069161)
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[25] EN
[54] **BENZOFURAZAN ANTI-AMYLOID COMPOUNDS AND METHODS**
[54] **COMPOSES DE BENZOFURAZANE ANTI-AMYLOIDES ET PROCEDES S'Y RAPPORTANT**
[72] REED, MARK A., CA
[72] WOOD, THOMAS K., US
[72] BANFIELD, SCOTT C., CA
[72] BARDEN, CHRISTOPHER J., CA
[73] TREVENTIS CORPORATION,
[85] 2015-02-23
[86] 2013-08-22 (PCT/US2013/056220)
[87] (WO2014/031873)
[30] US (61/693,011) 2012-08-24

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[51] **Int.Cl. F24F 3/147 (2006.01) F24F 5/00 (2006.01) F24F 6/04 (2006.01)**
[25] EN
[54] **HYDRAULIC DEVICE AND EVAPORATIVE SYSTEM WITH SUCH A HYDRAULIC DEVICE**
[54] **DISPOSITIF HYDRAULIQUE ET SYSTEME D'EVAPORATION POURVU DE CE DERNIER**
[72] MUNZBERG, GERHARD, CH
[72] BLASER, PATRICK, CH
[72] HISCOCK, NEAL, GB
[72] GAUNT, MICHAEL, GB
[72] WHEELER, NATHANAEL, GB
[73] CONDAIR GROUP AG,
[85] 2015-02-27
[86] 2013-07-05 (PCT/CH2013/000119)
[87] (WO2014/056116)
[30] EP (12006951.3) 2012-10-08

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[51] **Int.Cl. G05D 1/06 (2006.01) B64B 1/40 (2006.01) B64B 1/62 (2006.01) B64B 1/70 (2006.01) B64D 43/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND APPLICATIONS OF LIGHTER-THAN-AIR (LTA) PLATFORMS**
[54] **SYSTEME ET APPLICATIONS DE PLATES-FORMES PLUS LEGERES QUE L'AIR**
[72] KNOBLACH, GERALD M., US
[72] FRISCHE, ERIC A., US
[72] BARKLEY, BRUCE A., US
[73] SPACE DATA CORPORATION,
[86] (2885578)
[87] (2885578)
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[25] EN
[54] **HEATED GUTTER COVER SYSTEM**
[54] **SYSTEME COUVERCLE DE GOUTTIERE CHAUFFE**
[72] IANNELLI, ANTHONY M., US
[73] IANNELLI, ANTHONY M.,
[85] 2015-03-20
[86] 2013-09-27 (PCT/US2013/062217)
[87] (WO2014/052776)
[30] US (61/706,805) 2012-09-28

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[13] C
[51] **Int.Cl. C23C 14/56 (2006.01) H01M 8/0202 (2016.01)**
[25] EN
[54] **IN-LINE COATING DEVICE, IN-LINE COATING METHOD, AND SEPARATOR**
[54] **DISPOSITIF DE REVETEMENT EN LIGNE, PROCEDE DE REVETEMENT EN LIGNE ET SEPARATEUR**
[72] YAMAMOTO, KEISUKE, JP
[72] MORIYA, SATORU, JP
[72] ASANO, TOSHIHIDE, JP
[72] SUGIMOTO, TSUYOSHI, JP
[72] YAGINUMA, MOTOKI, JP
[72] NUMAO, YASUHIRO, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2015-04-01
[86] 2013-09-30 (PCT/JP2013/076570)
[87] (WO2014/054587)
[30] JP (2012-219459) 2012-10-01
[30] JP (2013-140834) 2013-07-04

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01) A61K 31/675 (2006.01) A61K 31/706 (2006.01) A61K 47/40 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND ANTI-TUMOR NQO1 SUBSTRATES**
[54] **COMPOSES ET SUBSTRATS ANTITUMORAUX NQO1**
[72] HERGENROTHER, PAUL J., US
[72] BOOTHMAN, DAVID A., US
[72] BAIR, JOSEPH S., US
[72] PALCHAUDHURI, RAHUL, US
[72] PARKINSON, ELIZABETH I., US
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS,
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM,
[85] 2015-04-14
[86] 2012-10-12 (PCT/US2012/059988)
[87] (WO2013/056073)
[30] US (61/547,166) 2011-10-14
[30] US (61/662,163) 2012-06-20

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[13] C
[51] **Int.Cl. A61K 8/27 (2006.01) A61K 8/21 (2006.01) A61K 8/44 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **FLUORIDE-STABLE ZINC CONTAINING COMPOSITIONS**
[54] **COMPOSITIONS DE SOIN BUCCAL A TENEUR EN ZINC STABLES EN FLUORURE**
[72] REGE, AARTI, US
[72] SURIANO, DAVID F., US
[72] SULLIVAN, RICHARD, US
[72] STRANICK, MICHAEL A., US
[73] COLGATE-PALMOLIVE COMPANY,
[85] 2015-05-06
[86] 2012-12-05 (PCT/US2012/067994)
[87] (WO2014/088572)

[11] **2,892,259**
[13] C
[51] **Int.Cl. H02H 1/04 (2006.01) H02H 9/00 (2006.01)**
[25] FR
[54] **DEVICE FOR LIMITING DISTURBANCES OF AN ELECTRICAL NATURE**
[54] **DISPOSITIF LIMITEUR DE PERTURBATIONS D'ORDRE ELECTRIQUE**
[72] SOLEIL, DANIEL, FR
[73] HAGER-ELECTRO SAS,
[85] 2015-05-22
[86] 2013-11-26 (PCT/FR2013/052858)
[87] (WO2014/083271)
[30] FR (1261265) 2012-11-27

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[13] C
[51] **Int.Cl. A61K 8/29 (2006.01) A61K 8/19 (2006.01) A61K 8/49 (2006.01) A61K 8/81 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **NON-STAINING TOOTHPASTE**
[54] **PATE DENTIFRICE NON COLORANTE**
[72] SZEWCZYK, GREGORY, US
[72] PATEL, NEETA ATUL, US
[72] JOGUN, SUZANNE, US
[73] COLGATE-PALMOLIVE COMPANY,
[85] 2015-05-25
[86] 2012-12-21 (PCT/US2012/071137)
[87] (WO2014/098881)

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[13] C
[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPLAYING MULTIPLE APPLICATIONS**
[54] **SYSTEME ET PROCEDE POUR AFFICHER DE MULTIPLES APPLICATIONS**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[72] LUTZ, PARNELL, US
[73] EDSENSE, L.L.C.,
[85] 2015-05-26
[86] 2013-11-26 (PCT/US2013/072089)
[87] (WO2014/085502)
[30] US (61/731,399) 2012-11-29

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[13] C
[51] **Int.Cl. G21C 19/18 (2006.01)**
[25] EN
[54] **NUCLEAR FUEL ASSEMBLY HANDLING APPARATUS**
[54] **APPAREIL DE MANIPULATION D'ASSEMBLAGE COMBUSTIBLE NUCLEAIRE**
[72] KAUFFMANN, ADAM B., US
[72] STEFKO, DAVID J., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC,
[85] 2015-06-08
[86] 2013-12-10 (PCT/US2013/074052)
[87] (WO2014/133622)
[30] US (61/756,136) 2013-01-24
[30] US (13/785,448) 2013-03-05

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[13] C
[51] **Int.Cl. B65D 71/00 (2006.01) B65D 19/40 (2006.01) B65D 85/46 (2006.01)**
[25] EN
[54] **A TRANSPORT UNIT AND A METHOD FOR LIFTING SUCH A TRANSPORT UNIT**
[54] **UNITE DE TRANSPORT ET PROCEDE DE LEVAGE D'UNE TELLE UNITE DE TRANSPORT**
[72] DUISTERS, ROB, NL
[72] VAN GEEL, PETRUS GERARDUS MARIE, NL
[73] ROCKWOOL INTERNATIONAL A/S,
[85] 2015-06-09
[86] 2013-12-10 (PCT/DK2013/050422)
[87] (WO2014/090256)
[30] EP (12196668.3) 2012-12-12

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[13] C
[51] **Int.Cl. A61K 47/14 (2017.01) A61K 9/19 (2006.01) A61K 39/12 (2006.01) A61K 39/13 (2006.01) A61K 39/205 (2006.01) A61K 39/29 (2006.01) A61K 47/08 (2006.01) A61K 47/12 (2006.01) A61K 47/20 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING VIRAL INFECTIONS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'INFECTIONS VIRALES**
[72] ANDERSON, DAVID E., US
[73] VARIATION BIOTECHNOLOGIES INC.,
[85] 2015-06-09
[86] 2013-01-11 (PCT/IB2013/000453)
[87] (WO2013/104995)
[30] US (61/585,971) 2012-01-12

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[13] C
[51] **Int.Cl. A01N 25/28 (2006.01) A01N 25/22 (2006.01) A01N 47/12 (2006.01) C09D 5/14 (2006.01)**
[25] EN
[54] **COLOR-STABILIZED IODOPROPYNYL BUTYLCARBAMATE**
[54] **CARBAMATE DE BUTYLE IODOPROPYNYLIQUE A COULEUR STABILISEE**
[72] WILKEN, JORG THOMAS, DE
[73] TROY CORPORATION,
[85] 2015-06-09
[86] 2013-05-28 (PCT/US2013/042939)
[87] (WO2014/092766)
[30] US (13/716,189) 2012-12-16

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[13] C
[51] **Int.Cl. C02F 1/74 (2006.01) B01F 3/04 (2006.01) B01F 15/02 (2006.01) C22B 3/44 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **PROCESSING DEVICE AND PROCESSING METHOD FOR HYDROGEN-SULPHIDE-CONTAINING BARREN SOLUTION**
[54] **DISPOSITIF DE TRAITEMENT ET PROCEDE DE TRAITEMENT POUR UNE SOLUTION STERILE CONTENANT DU SULFURE D'HYDROGENE**
[72] NAKAI, TAKAYUKI, JP
[72] MATSUBARA, SATOSHI, JP
[72] NAKAI, OSAMU, JP
[72] KYODA, YOJI, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2015-06-10
[86] 2013-11-22 (PCT/JP2013/081471)
[87] (WO2014/091903)
[30] JP (2012-270721) 2012-12-11

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[13] C
[51] **Int.Cl. B01F 5/06 (2006.01)**
[25] EN
[54] **HOMOGENISING PROCESS AND APPARATUS WITH FLOW REVERSAL**
[54] **PROCEDE ET APPAREIL D'HOMOGENEISATION A INVERSION D'ECOULEMENT**
[72] RICCI, ALFREDO, IT
[73] GEA MECHANICAL EQUIPMENT ITALIA S.P.A.,
[85] 2015-06-15
[86] 2013-12-20 (PCT/IB2013/061179)
[87] (WO2014/097234)
[30] IT (PR2012A000090) 2012-12-21

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[13] C
[51] **Int.Cl. B65D 5/06 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **GRIPPING MEANS FOR CONTAINERS**
[54] **MOYENS DE PREHENSION POUR CONTENANTS**
[72] WIESER, MARTIN KURT, NO
[73] ELOPAK SYSTEMS AG,
[85] 2015-07-07
[86] 2014-01-16 (PCT/GB2014/050115)
[87] (WO2014/111713)
[30] GB (1300820.6) 2013-01-16

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[13] C
[51] **Int.Cl. G01N 21/64 (2006.01)**
[25] EN
[54] **DIGITALLY ENHANCED MICROSCOPY FOR MULTIPLEXED HISTOLOGY**
[54] **MICROSCOPIE AMELIOREE NUMERIQUEMENT POUR HISTOLOGIE MULTIPLEXEE**
[72] MORRISON, LARRY, US
[72] DIETZ, LOU, US
[73] VENTANA MEDICAL SYSTEMS, INC.,
[85] 2015-08-10
[86] 2013-09-13 (PCT/US2013/059829)
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[30] US (61/778,093) 2013-03-12
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[54] **PROCEDE ET APPAREIL POUR AMELIORER UNE TRACTION SUR DES PLANS DE MARCHES D'ESCALIER**
[72] MENSAH, BROBBEY, US
[73] MENSAH, BROBBEY,
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[54] **CABLE TRACK FOR SCANNING HEAD OF PAPER MACHINE OR OTHER SYSTEM**
[54] **CHEMIN DE CABLE POUR TETE DE BALAYAGE D'UNE MACHINE A PAPIER OU AUTRE SYSTEME**
[72] HUMBLE, BRADLEY, CA
[73] HONEYWELL LIMITED,
[85] 2015-10-26
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[54] **A PROCESS FOR FABRICATION OF YTTERBIUM DOPED OPTICAL FIBER**
[54] **PROCEDE DE FABRICATION D'UNE FIBRE OPTIQUE DOPEE A L'YTTERBIUM**
[72] SEN, RANJAN, IN
[72] SAHA, MAITREYEE, IN
[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH,
[73] DEPARTMENT OF ELECTRONICS AND INFORMATION TECHNOLOGY,
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[25] EN
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[54] **RESEAU AD HOC MOBILE A NOEUD SATELLITE**
[72] GLOTTMANN, OSCAR, IL
[73] ELBIT SYSTEMS LAND AND C4I LTD.,
[85] 2015-10-29
[86] 2014-05-07 (PCT/IL2014/050410)
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[25] EN
[54] **BURNER**
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[72] HOLM-CHRISTENSEN, OLAV, DK
[72] BOE, MICHAEL, DK
[73] HALDOR TOPSOE A/S,
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[25] EN
[54] **METHOD FOR STABILISING SUSPENSIONS OF RED BLOOD CELLS ENCAPSULATING AN ACTIVE INGREDIENT, THE SUSPENSIONS OBTAINED**
[54] **PROCEDE DE STABILISATION DE SUSPENSIONS DE GLOBULES ROUGES ENCAPSULANT UN PRINCIPE ACTIF ET SUSPENSIONS AINSI OBTENUES**
[72] GODFRIN, YANN, FR
[72] BOURGEAUX, VANESSA, FR
[72] BAILLY, JEROME, FR
[73] ERYTECH PHARMA,
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[54] **SHAVING AID ADAPTOR FOR A SHAVING CARTRIDGE**
[54] **ADAPTATEUR POUR UNE CARTOUCHE DE RASAGE**
[72] ANTONIOU, ZOI, GR
[72] BOZIKIS, IOANNIS, GR
[72] EFTHIMIADIS, DIMITRIOS, GR
[72] GEORGAKIS, GEORGIOS, GR
[72] GIANNOPOULOS, PANAGIOTIS, GR
[72] PETRATOU, MARIA, GR
[72] PSIMADAS, IOANNIS-MARIOS, GR
[72] ZAFIROPOULOS, PANAGIOTIS, US
[73] BIC-VIOLEX SA,
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[25] EN
[54] **METHODOLOGY FOR THREE-DIMENSIONAL MORPHOLOGICAL AND QUANTITATIVE DETERMINATION OF MICRO AND NANOCAVITIES PRODUCED BY CHEMICAL AND MICROBIOLOGICAL CORROSION IN METALLIC MATERIALS.**
[54] **METHODE PERMETTANT LA DETERMINATION MORPHOLOGIQUE ET QUANTITATIVE TRIDIMENSIONNELLE DE MICRO ET DE NANOCAVITES PRODUITES PAR LA CORROSION CHIMIQUE ET MICROBIOLOGIQUE, DANS DES MATERIAUX METALLIQUES.**
[72] LEYTE GUERRERO, FLORENTINO, MX
[72] GARIBAY FEBLES, VICENTE, MX
[72] SADOTT PACHECO Y ALCALA, UBALDO, MX
[72] ZAPATA PENASCO, NORMA ICOQUIH, MX
[72] PEREZ LEMUS, GUSTAVO ROBERTO, MX
[72] VALADEZ MARTINEZ, MARCO ANTONIO, MX
[73] INSTITUTO MEXICANO DEL PETROLEO,
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[54] **DIE PACKAGE WITH LOW ELECTROMAGNETIC INTERFERENCE INTERCONNECTION**
[54] **BOITIER DE PUCE PRESENTANT UNE FAIBLE INTERCONNEXION DES INTERFERENCES ELECTROMAGNETIQUES**
[72] CAHILL, SEAN S., US
[72] SANJUAN, ERIC A., US
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG,
[85] 2015-12-16
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[54] **LOAD-COMPENSATING SHEAVE ARRANGEMENT**
[54] **AGENCEMENT DE POULIES COMPENSATRICES**
[72] SUNDERHAUS, HUBERT, DE
[72] BUDENBENDER, MARC ROMAN, DE
[72] BORNER, PETER, DE
[73] SIEMAG TECBERG GMBH,
[85] 2015-12-17
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[25] EN
[54] **CONTROL SYSTEM FOR PRESSURE CONTROLLERS IN EXPLOSION RISK AREAS**
[54] **SYSTEME DE REGULATION POUR REGULATEURS DE PRESSION DANS DES REGIONS PRESENTANT UN RISQUE D'EXPLOSION**
[72] GIORGETTI, GIORGIO, IT
[72] MEME', LORENZO, IT
[73] AUTOMA - S.R.L.,
[85] 2015-12-23
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[54] **COMPACT PULLING APPARATUS**
[54] **APPAREIL COMPACT DE TRACTION**
[72] MARTEL, YVON, CA
[73] MARTEL, YVON,
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[51] **Int.Cl. B65D 1/40 (2006.01) A61M 5/315 (2006.01) B29C 39/12 (2006.01)**
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[54] **FLUOROPOLYMER BARRIER MATERIALS FOR CONTAINERS**
[54] **MATERIAUX BARRIERES DE POLYMERES FLUORES POUR CONTENANTS**
[72] ASHMEAD, EDGAR G., US
[72] GUNZEL, EDWARD C., US
[72] MORITZ, MICHAEL P., US
[73] W. L. GORE & ASSOCIATES, INC.,
[86] (2930607)
[87] (2930607)
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[51] **Int.Cl. G11B 7/125 (2012.01) G11B 7/0045 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPTICAL DATA STORAGE**
[54] **PROCEDE ET SYSTEME DE STOCKAGE DE DONNEES OPTIQUES**
[72] GU, MIN, AU
[72] LI, XIANGPING, AU
[72] CAO, YAOYU, AU
[73] SHANGHAI NAGUANG INFORMATION TECHNOLOGY CORPORATION,
[85] 2016-05-25
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[51] **Int.Cl. F16B 5/02 (2006.01) F16B 35/00 (2006.01) F16B 37/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE FASTENING DEVICE AND METHOD FOR PRODUCING A PREFABRICATED SUBASSEMBLY FROM AT LEAST ONE ADJUSTABLE FASTENING DEVICE AND A COMPONENT**
[54] **DISPOSITIF DE FIXATION AJUSTABLE ET PROCEDE DE FABRICATION D'UN MODULE PREFABRIQUE A PARTIR D'AU MOINS UN DISPOSITIF DE FIXATION AJUSTABLE ET D'UNE PIECE**
[72] SCHMIDT, HEIKO, DE
[73] SCHMIDT, HEIKO,
[85] 2016-05-26
[86] 2014-11-26 (PCT/DE2014/100415)
[87] (WO2015/078450)
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[54] **DUAL AUGER SHREDDER HAVING LOW PROFILE**
[54] **DECHIQUETEUSE A DOUBLE TARIERE A BAS PROFIL**
[72] KOENIG, MARK E., US
[72] KEONIG, LARRY E., US
[73] KOENIG, MARK E.,
[73] KEONIG, LARRY E.,
[85] 2016-06-02
[86] 2014-12-02 (PCT/US2014/068206)
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[13] C
[51] **Int.Cl. B62D 21/14 (2006.01) B60P 1/02 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **WIDTH-ADJUSTABLE MODULAR HEAVY GOODS VEHICLE, AND CROSS-FRAME MODULE FOR A HEAVY GOODS VEHICLE OF SAID TYPE**
[54] **POIDS LOURD MODULAIRE AJUSTABLE EN LARGEUR ET MODULE DE CHASSIS TRANSVERSAL POUR UN POIDS LOURD DE CE TYPE**
[72] HAFELE, HORST, DE
[73] GOLDHOFER AG,
[85] 2016-08-08
[86] 2015-02-11 (PCT/EP2015/052847)
[87] (WO2015/121291)
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[25] EN
[54] **THERMOPLASTIC RESIN COMPOSITION AND RESIN MOLDED ARTICLE**
[54] **COMPOSITION DE RESINE THERMOPLASTIQUE ET ARTICLE MOULE EN RESINE**
[72] TANIGAWA, HIROSHI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] HIRATA, KOJI, JP
[72] SAITOU, HIROTOSHI, JP
[73] TECHNO-UMG CO., LTD.,
[85] 2016-09-02
[86] 2015-03-17 (PCT/JP2015/057843)
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[51] **Int.Cl. B62K 5/08 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01)**
[25] EN
[54] **SADDLE RIDING TYPE VEHICLE WITH TWO FRONT WHEELS AND LOCKABLE LINKAGE**
[54] **VEHICULE DE TYPE A SELLE EQUIPE DE DEUX ROUES AVANT ET D'UN LIEN VERROUILLABLE**
[72] HARA, NOBUO, JP
[72] SHIBUYA, YU, JP
[73] YAMAHA HATSUDOKI KABUSHIKI KAISHA,
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[51] **Int.Cl. F17C 5/02 (2006.01)**
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[54] **FILLING HEAD INJECTOR FOR AEROSOL CAN WITH PROTECTIVE COVER**
[54] **INJECTEUR DE TETE DE REMPLISSAGE POUR BOMBE D'AEROSOL AVEC COUVERCLE PROTECTEUR**
[72] SPECK, JAMES H., CA
[73] PRO FORM PRODUCTS LIMITED,
[85] 2016-10-18
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[54] **SWITCHABLE PI SHAPE ANTENNA**
[54] **ANTENNE EN FORME DE PI COMMUTABLE**
[72] LIU, HONGWEI, US
[72] MA, NING, US
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[25] EN
[54] **METHOD FOR PRODUCING SULFUR CHARGED CARBON NANOTUBES AND CATHODES FOR LITHIUM ION BATTERIES**
[54] **PROCEDE DE FABRICATION DE NANOTUBES DE CARBONE CHARGES DE SOUFRE ET CATHODES POUR PILES AU LITHIUM-ION**
[72] HAAG, MICHAEL ALLEN, US
[73] MSMH, LLC,
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[51] **Int.Cl. C04B 5/02 (2006.01) C21B 3/06 (2006.01) C22B 7/04 (2006.01)**
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[54] **GRANULATED SLAG PRODUCTS AND PROCESSES FOR THEIR PRODUCTION**
[54] **PRODUITS DE LAITIER GRANULES ET LEUR PROCEDES DE PRODUCTION**
[72] SO, LAI CHI, CA
[72] FAUCHER, SANTIAGO, CA
[73] HATCH LTD.,
[85] 2016-11-30
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[54] **HARNAIS POUR CASQUE DE PROTECTION**
[72] PATEL, NISHANK R., US
[72] SOMMERS, ERIC T., US
[72] BEGIN, MARK D., US
[72] PETRE, SAMUEL B., US
[73] ILLNOIS TOOL WORKS INC.,
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[54] **ULTRASONIC FLAW DETECTION APPARATUS AND ULTRASONIC FLAW DETECTION METHOD**
[54] **DISPOSITIF DE DETECTION DE DEFAUTS PAR ULTRASONS ET PROCEDE DE DETECTION DE DEFAUTS PAR ULTRASONS**
[72] MATSUI, YUTAKA, JP
[72] SAKASHITA, SHIGETO, JP
[72] YONEMOTO, ATSUSHI, JP
[73] JFE STEEL CORPORATION,
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[54] **ELEMENT DE SECURITE POURVU D'UNE DIODE ELECTROLUMINESCENTE**
[72] KLUGE, STEFAN, DE
[73] GIESECKE+DEVRIENT MOBILE SECURITY GMBH,
[85] 2017-03-13
[86] 2015-10-09 (PCT/EP2015/002010)
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[30] DE (10 2014 015 283.9) 2014-10-16
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[54] **DISPOSITIF ET PROCEDE DE GESTION D'UN RESEAU**
[72] ASCHEID, GERD, DE
[72] MOKHTARI, RAMIN LAVAE, DE
[73] ICE GATEWAY GMBH,
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[25] FR
[54] **METHOD FOR PURIFYING OSES WITHOUT ADJUSTING PH**
[54] **PROCEDE DE PURIFICATION D'OSES SANS AJUSTEMENT DE PH**
[72] THEOLEYRE, MARC-ANDRE, FR
[72] LEMAIRE, JULIEN, FR
[73] CENTRALESUPELEC,
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[54] **SLING CARRIER FOR SKIS, SNOWBOARD AND BOOTS**
[54] **BRETELLE DE TRANSPORT POUR SKIS, PLANCHE A NEIGE ET BOTTES**
[72] STEELE, DEVIN, US
[73] STEELE, DEVIN,
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[51] **Int.Cl. H04N 19/593 (2014.01)**
[25] EN
[54] **METHOD OF GUIDED CROSS-COMPONENT PREDICTION FOR VIDEO CODING**
[54] **PROCEDE DE PREDICTION DE COMPOSANT TRANSVERSAL GUIDE POUR CODAGE VIDEO**
[72] HUANG, HAN, CN
[72] ZHANG, KAI, CN
[72] ZHANG, XIANGUO, CN
[73] MEDIATEK SINGAPORE PTE. LTD.,
[85] 2017-04-11
[86] 2015-10-19 (PCT/CN2015/092168)
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[54] **MICROSEISMIC DENSITY MAPPING**
[54] **CARTOGRAPHIE DE DENSITE MICRO-SISMIQUE**
[72] HAMPTON, JESSE CLAY, US
[72] MATZAR, LUIS ALEXANDER, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2017-04-27
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[25] EN
[54] **DENSE ARTICLES FORMED FROM TETRAFLUOROETHYLENE CORE SHELL COPOLYMERS AND METHODS OF MAKING THE SAME**
[54] **OBJETS DENSES FORMES A PARTIR DE COPOLYMERES A NOYAU ET ENVELOPPE DE TETRAFLUOROETHYLENE ET LEURS PROCEDES DE FABRICATION**
[72] FORD, LAWRENCE A., DE
[72] KENNEDY, MICHAEL E., US
[72] RAN, SHAOFENG, US
[72] SAYLER, TODD S., US
[72] SHAFER, GREGORY J., US
[73] W.L. GORE & ASSOCIATES, INC.,
[73] W.L. GORE & ASSOCIATES GMBH,
[85] 2017-05-12
[86] 2015-12-03 (PCT/US2015/063603)
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[25] EN
[54] **DENSE ARTICLES FORMED FROM TETRAFLUOROETHYLENE CORE SHELL COPOLYMERS AND METHODS OF MAKING THE SAME**
[54] **ARTICLES DENSES FORMES A PARTIR DE COPOLYMERES DE TETRAFLUROETHYLENE TYPE COEUR-ECORCE ET LEURS PROCEDES DE FABRICATION**
[72] FORD, LAWRENCE A., DE
[72] KENNEDY, MICHAEL E., US
[72] RAN, SHAOFENG, US
[72] SAYLER, TODD S., US
[72] SHAFER, GREGORY J., US
[73] W.L. GORE & ASSOCIATES, INC.,
[73] W.L. GORE & ASSOCIATES GMBH,
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[86] 2015-12-03 (PCT/US2015/063609)
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[54] **PREDICTING LOCATIONS AND MOVEMENTS OF USERS BASED ON HISTORICAL LOCATIONS FOR USERS OF AN ONLINE SYSTEM**
[54] **PREDICTION DES LOCALISATIONS ET DES MOUVEMENTS D'UTILISATEURS SUR LA BASE DE LOCALISATIONS HISTORIQUES POUR DES UTILISATEURS D'UN SYSTEME EN LIGNE**
[72] VACCARI, ANDREA, US
[73] FACEBOOK, INC.,
[85] 2017-06-20
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[25] EN
[54] **PROJECTING CONTAINMENT FORCE FOR LOAD WRAPPING APPARATUS**
[54] **CALCUL PAR PROJECTION DE LA FORCE DE CONFINEMENT POUR DISPOSITIF DE BANDEROLAGE DE CHARGE**
[72] LANCASTER, PATRICK R., III., US
[72] MITCHELL, MICHAEL P., US
[73] LANTECH.COM, LLC,
[85] 2017-04-07
[86] 2015-10-07 (PCT/US2015/054564)
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[30] US (62/060,784) 2014-10-07
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[25] EN
[54] **USE OF TAURINE IN PREVENTION AND/OR TREATMENT OF DISEASES INDUCED BY VIRUSES OF GENUS CORONAVIRUS AND/OR GENUS ROTAVIRUS**
[54] **UTILISATION DE TAURINE POUR LA PREVENTION ET/OU LE TRAITEMENT DE MALADIES VIRALES A CORONAVIRUS ET/OU ROTAVIRUS**
[72] WANG, YONGDONG, CN
[72] CAO, JIYUAN, CN
[72] ZHU, SHIFA, CN
[72] CHENG, WEN, CN
[72] HUANG, ZHIPENG, CN
[73] GENIFARM LABORATORIES INC,
[73] GUANG ZHOU YUAN TU BIOLOGICAL AND CHEMICAL TECHNOLOGY CO., LTD.,
[85] 2017-07-17
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[51] **Int.Cl. F17C 5/06 (2006.01)**
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[54] **GAS FILLING SYSTEM**
[54] **SYSTEME DE REMPLISSAGE DE GAZ**
[72] OKUNO, TAKASHI, JP
[72] NAGURA, KENJI, JP
[72] TAKAGI, HITOSHI, JP
[72] UBA, TAKURO, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.),
[85] 2017-08-02
[86] 2016-02-16 (PCT/JP2016/054390)
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[25] FR
[54] **DEVICE TO STORE AND TRANSPORT AQUACULTURE PRODUCTS AND CORRESPONDING STORAGE AND TRANSPORTATION METHOD**
[54] **DISPOSITIF POUR STOCKER ET TRANSPORTER DES PRODUITS AQUACOLES ET PROCEDE DE STOCKAGE ET DE TRANSPORT CORRESPONDANT**
[72] ONO DIT BIOT, SYLVAIN, FR
[72] FAGIANO, GIANCARLO, FR
[72] LEJEUNE, ARMAND, FR
[73] SEA FOOD CONTAINER MANUFACTURE,
[86] (2976110)
[87] (2976110)
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[54] **SPEED REDUCER ARRANGEMENT FOR A LINE RETRACTION DEVICE**
[54] **AGENCEMENT REDUCTEUR DE VITESSE DESTINE A UN DISPOSITIF DE RETRACTION DE LIGNE**
[72] WU, AIMEI, CN
[73] MSA (SUZHOU) SAFETY EQUIPMENT R&D CO., LTD.,
[85] 2017-08-11
[86] 2016-02-14 (PCT/CN2016/073758)
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[54] **RELIEF VALVE**
[54] **SOUPAPE DE DECHARGE**
[72] RODRIGUEZ, BERTITO TUBO, US
[72] GOODSON, GREGORY DEAN, US
[73] CONBRACO INDUSTRIES, INC.,
[85] 2017-08-11
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[54] **METHOD OF FORMING METAL SHEET AND FORMED PART**
[54] **PROCEDE DE MISE EN FORME D'UNE TOLE ET PRODUIT MIS EN FORME**
[72] SAITO, MASAHIRO, JP
[72] YOSHIDA, TOHRU, JP
[73] NIPPON STEEL CORPORATION,
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[25] EN
[54] **METHOD AND APPARATUS FOR OPTICAL SENSING**
[54] **PROCEDE ET APPAREIL DE DETECTION OPTIQUE**
[72] FARHADIROUSHAN, MAHMOUD, GB
[72] PARKER, TOM RICHARD, GB
[72] SHATALIN, SERGEY, GB
[73] SILIXA LTD,
[86] (2977253)
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[51] **Int.Cl. B62D 55/07 (2006.01) B62B 17/02 (2006.01)**
[25] EN
[54] **SHAFT AND ACTUATOR FOR RETRACTABLE SNOWMOBILE SKI WHEEL SYSTEM AND METHOD OF USING THE SAME**
[54] **TIGE ET ACTIONNEUR DESTINES A UN SYSTEME DE ROUE DE SKI DE MOTONEIGE RETRACTABLE ET METHODE D'UTILISATION ASSOCIEE**
[72] BEAUDOIN, DENIS, CA
[73] 9385-9171 QUEBEC INC.,
[86] (2977613)
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[25] EN
[54] **ANTI-ICING APPARATUS FOR A NOSE CONE OF A GAS TURBINE ENGINE**
[54] **APPAREIL ANTI-GIVRAGE DESTINE A UN NEZ DE ROTOR D'UNE TURBINE A GAZ**
[72] ALECU, DANIEL, CA
[72] SIDOROVICH PARADISO, IVAN, CA
[73] PRATT & WHITNEY CANADA CORP.,
[86] (2978155)
[87] (2978155)
[22] 2017-08-31
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[25] EN
[54] **FLOW RATE SENSOR SYSTEM AND METHOD FOR NON-INVASIVELY MEASURING THE FLOW RATE OF A BODILY FLUID**
[54] **SYSTEME DETECTEUR DE DEBIT ET PROCEDE DE MESURE NON INVASIVE DU DEBIT D'UN LIQUIDE CORPOREL**
[72] GOLDIE, JAMES H., US
[72] TRUONG, THIEU Q., US
[72] DUONG, MINH, US
[72] RUSSELL, THOMAS, US
[73] VIVONICS, INC.,
[85] 2017-09-01
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[54] **SPEED OR TORQUE PROBE FOR GAS TURBINE ENGINES**
[54] **SONDES DE VITESSE OU DE COUPLE POUR MOTEURS A TURBINE A GAZ**
[72] BODIN, ROBERT MICHAEL GEORGE, GB
[73] WESTON AEROSPACE LIMITED,
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[54] **SUCTION DEVICE, HOLDING DEVICE, AND CONVEYANCE METHOD**
[54] **DISPOSITIF D'ASPIRATION, DISPOSITIF DE RETENUE, ET PROCEDE DE TRANSPORT**
[72] SHIMIZU, TAKAYUKI, JP
[72] AZUSAWA, NAOTO, JP
[72] TSURUDA, KENICHI, JP
[72] AZUMA, HIROKI, JP
[72] GOTO, TAKUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD.,
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[54] **THERMALLY REGULATED SELF-HEATING CONTAINERS**
[54] **RECIPIENT AUTO-CHAUFFANT REGULE THERMIQUEMENT**
[72] COFFEY, BRENDAN, US
[72] KWIATKOWSKI, KRZYSZTOF C., US
[72] FORD, BRENT C., US
[73] HEATGENIE, INC.,
[85] 2017-09-13
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[54] **ETABLI D'ASSEMBLAGE PAR FUSION A EMBOITEMENT**
[72] DONALDSON, PAUL JOHN, US
[72] MEADOWS, GREGORY C., US
[73] MCELROY MANUFACTURING, INC.,
[86] (2980815)
[87] (2980815)
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[25] EN
[54] **HEAT-TREATED STEEL SHEET MEMBER AND METHOD FOR PRODUCING THE SAME**
[54] **ELEMENT DE TOLE D'ACIER TRAITE A CHAUD ET METHODE DE PRODUCTION ASSOCIEE**
[72] SUWA, YOSHIHIRO, JP
[72] TABATA, SHINICHIRO, JP
[72] AZUMA, MASAFUMI, JP
[72] HIKIDA, KAZUO, JP
[73] NIPPON STEEL CORPORATION,
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[86] 2016-04-07 (PCT/JP2016/061426)
[87] (WO2016/163469)
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[54] **TEMPERATURE INDICATING ENDODONTIC OBTURATION MATERIAL**
[54] **MATERIAU D'OBTURATION ENDODONTIQUE INDIQUANT LA TEMPERATURE**
[72] BERGER, TODD, US
[72] BARATZ, ADAM, US
[72] VASSEUR, JACLYN, US
[73] DENTSPLY SIRONA INC.,
[85] 2017-10-06
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[87] (WO2016/164436)
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[54] **SOLENOID-ACTUATED FLUID CONTROL VALVE ASSEMBLY**
[54] **ENSEMBLE VANNE DE REGULATION DE FLUIDE ACTIONNE PAR SOLENOIDE**
[72] KUMAR, VIRARAGHAVAN, US
[72] REYES, ALVARO, US
[72] KULKARNI, SUDHIR, US
[72] PRADHANANGA, SHAILESH, US
[73] IQ VALVES,
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[54] **EFFICIENT ASSEMBLY OF TRIPLE PANE WINDOWS**
[54] **ASSEMBLAGE EFFICACE DE FENETRES A VITRAGE TRIPLE**
[72] BRIESE, WILLIAM, US
[72] GRISMER, JOHN, US
[72] MCGLINCHY, TIMOTHY B., US
[73] GED INTEGRATED SOLUTIONS, INC.,
[86] (2985280)
[87] (2985280)
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[25] EN
[54] **SOYBEAN VARIETY SM16617721**
[54] **VARIETE DE SOJA SM16617721**
[72] VALERA ROJAS, EVELYN, CA
[72] GREASON, KARI, CA
[73] AGRIGENETICS, INC.,
[86] (2987180)
[87] (2987180)
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[25] FR
[54] **SAFETY LIGHTING DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE DE SECURITE**
[72] MESKAOUI, BECHIR, FR
[73] KAUFEL SA,
[85] 2017-11-29
[86] 2016-05-24 (PCT/FR2016/051219)
[87] (WO2016/203125)
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[25] EN
[54] **IMPROVED PREFORMS AND PROCESSES FOR MAKING BAG IN BOTTLE CONTAINERS**
[54] **PREFORMES AMELIOREES ET PROCESSUS POUR LA FABRICATION DE CONTENANTS DU TYPE "BAG-IN-BOTTLE"**
[72] PIJLS, STEFAAN GHISLAIN EDGAR CLAIRE, BE
[73] THE PROCTER & GAMBLE COMPANY,
[85] 2017-11-30
[86] 2016-06-20 (PCT/US2016/038286)
[87] (WO2017/003730)
[30] EP (15174199.8) 2015-06-29
[30] EP (16165318.3) 2016-04-14
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[25] EN
[54] **SEALANT-FILLED ENCLOSURES AND METHODS FOR ENVIRONMENTALLY PROTECTING A CONNECTION**
[54] **ENVELOPPES REMPLIES DE SCELLANT ET METHODE DE PROTECTION ENVIRONNEMENTALE D'UNE CONNEXION**
[72] YAWORSKI, HARRY GEORGE, US
[72] MARKS, JIMMY E., US
[72] SERAJ, MAHMOUD K., US
[73] TYCO ELECTRONICS CORPORATION,
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[25] EN
[54] **A MULTIFUNCTIONAL REBAR SUPPORT SYSTEM FOR REINFORCEMENT OF CONCRETE STRUCTURES**
[54] **UN SYSTEME DE SUPPORT DE BORD D'ARMATURE MULTIFONCTIONNEL DESTINE AU RENFORCEMENT DE STRUCTURES EN BETON**
[72] VERELLI, ANGELO, CA
[72] VERELLI, CARLO, CA
[73] VERELLI, ANGELO,
[73] VERELLI, CARLO,
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[87] (2989070)
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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **ATOMIZER AND ELECTRONIC CIGARETTE HAVING SAME**
[54] **ATOMISEUR ET CIGARETTE ELECTRONIQUE COMPORTANT LEDIT ATOMISEUR**
[72] CHEN, WEN, CN
[73] SHENZHEN IVPS TECHNOLOGY CO., LTD.,
[86] (2989565)
[87] (2989565)
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[30] CN (201621452909.1) 2016-12-27

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[51] **Int.Cl. C09D 4/06 (2006.01)**
[25] EN
[54] **COATINGS FOR PLASTIC SUBSTRATES**
[54] **REVETEMENTS POUR SUBSTRATS EN MATIERE PLASTIQUE**
[72] WANG, WEI, US
[72] ZHOU, HONGYING, US
[72] OLSON, KURT G., US
[72] MARTZ, JOHNATHAN T., US
[72] JANOSKI, RICHARD A., SR., US
[72] HUMBERT, LEIGH ANN, US
[72] FENN, DAVID R., US
[72] ZIEGLER, TERRI L., US
[73] PPG INDUSTRIES OHIO, INC.,
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[86] 2016-06-24 (PCT/US2016/039393)
[87] (WO2017/003879)
[30] US (14/753,126) 2015-06-29

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[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **METHOD OF INJECTION MOLDING USING ONE OR MORE STRAIN GAUGES AS A VIRTUAL SENSOR**
[54] **PROCEDE DE MOULAGE PAR INJECTION UTILISANT UNE OU PLUSIEURS JAUGES DE CONTRAINTE COMME CAPTEUR VIRTUEL**
[72] POLLARD, RICK ALAN, US
[72] RAKER, JOSHUA DOUGLAS, US
[72] ALTONEN, GENE MICHAEL, US
[72] HANSON, HERBERT KENNETH, III, US
[73] IMFLUX INC.,
[85] 2017-12-29
[86] 2016-07-22 (PCT/US2016/043590)
[87] (WO2017/015572)
[30] US (62/195,350) 2015-07-22

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[51] **Int.Cl. E05B 17/04 (2006.01) E05C 1/08 (2006.01)**
[25] EN
[54] **LOCK SET TRANSMISSION MECHANISM**
[54] **MECANISME DE TRANSMISSION DE SERRURE**
[72] HUANG, CHAO-MING, TW
[72] CHEN, CHI-MING, TW
[73] TAIWAN FU HSING INDUSTRIAL CO., LTD.,
[86] (2991910)
[87] (2991910)
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[30] TW (106114222) 2017-04-28

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[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/64 (2013.01)**
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[54] **AUTOMATED FORENSIC DOCUMENT SIGNATURES**
[54] **SIGNATURES AUTOMATISEES DE DOCUMENTS JUDICIAIRES**
[72] SHIELDS, THOMAS CLAY, US
[72] FRIEDER, OPHIR, US
[72] MALOOF, MARCUS A., US
[73] GEORGETOWN UNIVERSITY,
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[51] **Int.Cl. B64D 29/06 (2006.01)**
[25] EN
[54] **PRESSURE RELIEF LATCH**
[54] **LOQUET DETENDEUR DE PRESSION**
[72] DO, THAI, US
[73] ARCONIC INC.,
[85] 2018-01-10
[86] 2016-07-29 (PCT/US2016/044811)
[87] (WO2017/023788)
[30] US (62/200,971) 2015-08-04

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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **MAGNETIC PRESSURE SENSING SYSTEM FOR AN INFUSION PUMP**
[54] **SYSTEME DE DETECTION MAGNETIQUE DE PRESSION POUR POMPE A PERFUSION**
[72] JURETICH, JEFFERY T., US
[72] ELWOOD, MICHAEL K., US
[72] SZCZOTKA, DANIEL, US
[73] ZEVEX, INC.,
[85] 2018-01-16
[86] 2015-07-24 (PCT/US2015/041873)
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[54] **PEPTIDES UTILES POUR LE TRAITEMENT DU CANCER**
[72] KIM, HAE JIN, KR
[72] HWANG, DUK SOON, KR
[72] MOON, EUN JOUNG, KR
[73] ENSOL BIOSCIENCES INC.,
[85] 2018-01-18
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[30] KR (10-2015-0104332) 2015-07-23

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[11] **2,993,153**
[13] C
[51] **Int.Cl. C10B 53/02 (2006.01)**
[25] EN
[54] **CARBIDE PRODUCING METHOD AND CARBIDE PRODUCING DEVICE**
[54] **PROCEDE DE PRODUCTION DE CARBURE ET DISPOSITIF DE PRODUCTION DE CARBURE**
[72] ENDOU, YUUKI, JP
[72] ICHINOSE, TOMOKI, JP
[72] ISHIKAWA, KEIICHI, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING CO., D.,
[85] 2018-01-19
[86] 2015-07-30 (PCT/JP2015/071643)
[87] (WO2017/017838)

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[13] C
[51] **Int.Cl. H05B 37/03 (2006.01) G01R 19/165 (2006.01) G08G 1/095 (2006.01)**
[25] EN
[54] **LONG LIFE, FAIL SAFE TRAFFIC LIGHT**
[54] **FEU DE SIGNALISATION A L'EPREUVE DES DEFAILLANCES ET A LONGUE DUREE DE VIE**
[72] HEBBORN, KEVIN A., US
[72] ZINGLER, GLENN J., US
[73] DIALIGHT CORPORATION,
[86] (2993576)
[87] (2993576)
[22] 2014-06-17
[62] 2,916,271
[30] US (13/920,806) 2013-06-18

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[11] **2,993,637**
[13] C
[51] **Int.Cl. F25J 3/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INCREASING ARGON RECOVERY IN A CRYOGENIC AIR SEPARATION UNIT INTEGRATED WITH A PRESSURE SWING ADSORPTION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR AUGMENTER L'EXTRACTION D'ARGON DANS UNE UNITE DE SEPARATION D'AIR CRYOGENIQUE INTEGREE AVEC UN SYSTEME D'ADSORPTION MODULEE EN PRESSION**
[72] DU, HAI, US
[72] STEPHENSON, NEIL A., US
[72] PROSSER, NEIL M., US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2018-01-24
[86] 2016-07-26 (PCT/US2016/044008)
[87] (WO2017/023608)
[30] US (62/199,483) 2015-07-31
[30] US (15/057,156) 2016-03-01

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[11] **2,993,648**
[13] C
[51] **Int.Cl. F25J 3/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ARGON RECOVERY IN A CRYOGENIC AIR SEPARATION UNIT INTEGRATED WITH A PRESSURE SWING ADSORPTION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR LA RECUPERATION D'ARGON DANS UNE UNITE DE SEPARATION D'AIR CRYOGENIQUE COMPRENANT UN SYSTEME D'ADSORPTION MODULEE EN PRESSION**
[72] DU, HAI, US
[72] PROSSER, NEIL M., US
[72] LUO, YANG, US
[72] STEPHENSON, NEIL A., US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2018-01-24
[86] 2016-07-26 (PCT/US2016/044000)
[87] (WO2017/023604)
[30] US (62/199,460) 2015-07-31
[30] US (15/057,148) 2016-03-01

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[13] C
[51] **Int.Cl. F25J 3/04 (2006.01) C01B 23/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ARGON RECOVERY IN A CRYOGENIC AIR SEPARATION UNIT INTEGRATED WITH A PRESSURE SWING ADSORPTION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR LA RECUPERATION D'ARGON DANS UNE UNITE CRYOGENIQUE DE SEPARATION D'AIR INTEGREE A UN SYSTEME D'ADSORPTION A PRESSION MODULEE**
[72] DU, HAI, US
[72] PROSSER, NEIL M., US
[72] LUO, YANG, US
[72] STEPHENSON, NEIL A., US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2018-01-24
[86] 2016-07-26 (PCT/US2016/044006)
[87] (WO2017/023607)
[30] US (62/199,469) 2015-07-31
[30] US (15/057,152) 2016-03-01

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[11] **2,994,511**
[13] C
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **CONDITION DETECTION USING IMAGE PROCESSING**
[54] **DETECTION DE CONDITION A L'AIDE D'UN TRAITEMENT D'IMAGE**
[72] PESTUN, VADIM, RU
[72] TYULYAEVA, EKATERINA, RU
[72] EREMINA, OLGA, RU
[72] LEVASHOV, ALEXEY, RU
[72] GULDOGAN, OLCAY, FI
[72] ROTOLA-PUKKILA, JANI, FI
[72] ROSSI, TEEMU KALEVI, FI
[73] ACCENTURE GLOBAL SERVICES LIMITED,
[85] 2018-02-01
[86] 2015-08-06 (PCT/IB2015/002615)
[87] (WO2017/021753)

[11] **2,994,817**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/86 (2006.01) C01B 17/04 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEPARATING HYDROGEN SULFIDE FROM CARBON DIOXIDE IN A HIGH-PRESSURE MIXED STREAM**
[54] **SYSTEMES ET PROCEDES POUR SEPARER LE SULFURE D'HYDROGENE ET LE DIOXYDE DE CARBONE DANS UN FLUX MELANGE A HAUTE PRESSION**
[72] NORTHROP, P. SCOTT, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2018-02-05
[86] 2016-07-26 (PCT/US2016/044048)
[87] (WO2017/052749)
[30] US (62/221,272) 2015-09-21

[11] **2,994,990**
[13] C
[51] **Int.Cl. B32B 17/10 (2006.01) B29C 45/14 (2006.01) B60J 1/17 (2006.01)**
[25] EN
[54] **COMPOSITE GLASS PANE WITH A MOUNTING HOLE**
[54] **PANNEAU DE VERRE EN COMPOSITE DOTE D'UN TROU D'INSTALLATION**
[72] UEBELACKER, STEFAN, DE
[72] KOTTE, ROLF, DE
[72] VON AVENARIUS, WOLFGANG, DE
[72] PARIJ, GERRY R., US
[73] SAINT-GOBAIN GLASS FRANCE,
[85] 2018-02-07
[86] 2016-02-17 (PCT/EP2016/053337)
[87] (WO2017/084767)
[30] US (62/256,658) 2015-11-17

[11] **2,995,481**
[13] C
[51] **Int.Cl. A45D 6/02 (2006.01) A45D 4/02 (2006.01) A45D 6/00 (2006.01)**
[25] EN
[54] **AUTOMATIC HAIR CURLER**
[54] **FER A FRISER LES CHEVEUX AUTOMATIQUE**
[72] YONG, XIAO, CN
[72] MIANJIA, WEI, CN
[73] FAROUK SYSTEMS, INC.,
[85] 2018-02-12
[86] 2016-08-19 (PCT/US2016/047757)
[87] (WO2017/031417)
[30] CN (201520627529.6) 2015-08-19

[11] **2,996,297**
[13] C
[51] **Int.Cl. B60P 7/04 (2006.01) B60J 7/10 (2006.01) B60J 11/00 (2006.01)**
[25] EN
[54] **COVER SYSTEM FOR OPEN-TOPPED CONTAINERS**
[54] **SYSTEME DE COUVERCLE POUR CONTENEURS A TOIT OUVERT**
[72] SEARFOSS, TIMOTHY K., US
[73] AERO INDUSTRIES, INC.,
[85] 2018-02-21
[86] 2016-08-31 (PCT/US2016/049642)
[87] (WO2017/040619)
[30] US (62/213,052) 2015-09-01
[30] US (62/386,294) 2015-11-25
[30] US (62/387,563) 2015-12-24

[11] **2,996,565**
[13] C
[51] **Int.Cl. A61L 2/18 (2006.01) B65D 81/32 (2006.01)**
[25] EN
[54] **REFILL COMPONENT FOR A MULTI-PART STERILANT SYSTEM**
[54] **COMPOSANTE DE REMPLISSAGE DESTINEE A UN SYSTEME DE STERILISATION MULTICOMPOSANTE**
[72] TURNER, JEREMY, NZ
[73] TRISTEL PLC,
[86] (2996565)
[87] (2996565)
[22] 2012-09-03
[62] 2,846,220
[30] GB (1115194.1) 2011-09-02

[11] **2,996,918**
[13] C
[51] **Int.Cl. A46B 15/00 (2006.01) G06T 7/20 (2017.01)**
[25] EN
[54] **DETERMINATION OF A CURRENTLY TREATED BODY PORTION OF A USER**
[54] **DETERMINATION DE PARTIE DE CORPS ACTUELLEMENT TRAITEE D'UN UTILISATEUR**
[72] VETTER, INGO, DE
[72] REICK, HANSJORG, DE
[72] STUCKRATH, CARL, DE
[72] GARBAS, JENS-UWE, DE
[72] SEITZ, JOCHEN, DE
[72] ERNST, ANDREAS, DE
[72] BOCKSCH, MARCUS, DE
[73] BRAUN GMBH,
[85] 2018-02-28
[86] 2016-09-01 (PCT/IB2016/055244)
[87] (WO2017/042673)
[30] EP (15184240.8) 2015-09-08

[11] **2,998,379**
[13] C
[51] **Int.Cl. B21B 27/10 (2006.01) B21B 37/32 (2006.01)**
[25] EN
[54] **PRE-HEATING AND THERMAL CONTROL OF WORK ROLLS IN METAL ROLLING PROCESSES AND CONTROL SYSTEMS THEREOF**
[54] **PRECHAUFFAGE ET REGULATION THERMIQUE DE CYLINDRES DE TRAVAIL DANS DES PROCEDES DE LAMINAGE DE METAL ET SYSTEMES DE REGULATION CORRESPONDANTS**
[72] GAENSBAUER, DAVID ANTHONY, US
[72] CARVALHO, FRANCISCO, BR
[72] MINNITI, EDUARDO, BR
[72] MORAES, TIAGO, BR
[72] EBOLI, CARLOS, US
[73] NOVELIS INC.,
[85] 2018-03-09
[86] 2016-09-21 (PCT/US2016/052753)
[87] (WO2017/053343)
[30] US (62/221,491) 2015-09-21

[11] **2,998,835**
[13] C
[51] **Int.Cl. D02J 1/18 (2006.01) C08J 5/06 (2006.01) D04H 1/74 (2006.01)**
[25] EN
[54] **FIBER STRUCTURE FOR FIBER REINFORCED COMPOSITE MATERIAL, METHOD FOR MANUFACTURING FIBER STRUCTURE FOR FIBER REINFORCED COMPOSITE MATERIAL, AND FIBER REINFORCED COMPOSITE MATERIAL**
[54] **STRUCTURE DE FIBRE POUR MATERIAU COMPOSITE RENFORCE DE FIBRES, PROCEDE DE FABRICATION DE STRUCTURE DE FIBRE POUR MATERIAU COMPOSITE RENFORCE DE FIBRES, ET MATERIAU COMPOSITE RENFORCE DE FIBRES**
[72] YOSHIKAWA, GENKI, JP
[72] KAMIYA, RYUTA, JP
[73] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI,
[85] 2018-03-15
[86] 2016-09-14 (PCT/JP2016/077169)
[87] (WO2017/057002)
[30] JP (2015-196884) 2015-10-02

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[11] **3,002,019**
[13] C
[51] **Int.Cl. E04C 5/16 (2006.01) E04G 21/12 (2006.01)**
[25] EN
[54] **SLAB BOLSTER UPPER AND METHOD OF USING THE SAME**
[54] **PARTIE SUPERIEURE DE CALE DE SOUTIEN ET METHODE D'UTILISATION ASSOCIEE**
[72] VERELLI, ANGELO, CA
[72] VERELLI, CARLO, CA
[73] VERELLI, ANGELO,
[73] VERELLI, CARLO,
[86] (3002019)
[87] (3002019)
[22] 2018-04-18
[30] US (62/602,221) 2017-04-18

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[11] **3,002,507**
[13] C
[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/50 (2006.01)**
[25] EN
[54] **IMMERSION NOZZLE**
[54] **BUSE IMMERGEE**
[72] FUKUNAGA, SHINICHI, JP
[72] MIZOBE, ARITO, JP
[72] OKI, KENICHI, JP
[72] FURUKAWA, HIROKI, JP
[73] KROSAKIHARIMA CORPORATION,
[85] 2018-04-18
[86] 2016-09-13 (PCT/JP2016/076915)
[87] (WO2017/081934)
[30] JP (2015-220580) 2015-11-10

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[11] **3,003,177**
[13] C
[51] **Int.Cl. C03B 3/02 (2006.01) C03B 5/235 (2006.01) C03B 5/237 (2006.01)**
[25] EN
[54] **THERMOCHEMICAL REGENERATION AND HEAT RECOVERY IN GLASS FURNACES**
[54] **REGENERATION THERMOCHIMIQUE ET RECUPERATION DE CHALEUR DANS DES FOURS DE VERRERIE**
[72] KOBAYASHI, HISASHI, US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2018-04-24
[86] 2016-10-20 (PCT/US2016/057808)
[87] (WO2017/074772)
[30] US (62/248,013) 2015-10-29

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[11] **3,003,401**
[13] C
[51] **Int.Cl. G06F 16/21 (2019.01)**
[25] EN
[54] **FEEDBACK LOOPS FOR MANAGING PROFILE STORE SYNCHRONIZATION ISSUES**
[54] **BOUCLES DE RETROACTION PERMETTANT DE GERER DES PROBLEMES DE SYNCHRONISATION DE MAGASINS DE PROFILS**
[72] ULLRICH, TOBIAS, DE
[72] PFANNENSCHMIDT, LARS, DE
[72] WISNIEWSKI, FRANK, DE
[72] KRUGER, THORSTEN, DE
[72] RAJGARA, SHABBIR Y., US
[72] GAO, GUOHAN, US
[73] INTUIT INC.,
[85] 2018-04-26
[86] 2015-10-30 (PCT/US2015/058460)
[87] (WO2017/074457)

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[11] **3,003,761**
[13] C
[51] **Int.Cl. C03B 37/018 (2006.01)**
[25] EN
[54] **METHOD FOR EFFICIENTLY PREPARING DOPED OPTICAL FIBRE PREFORM AND DOPED OPTICAL FIBRE PREFORM**
[54] **PROCEDE DE PREPARATION DE MANIERE EFFICACE D'UNE PREFORME EN FIBRE OPTIQUE DOPEE ET PREFORME EN FIBRE OPTIQUE DOPEE**
[72] DU, CHENG, CN
[72] LUO, WENYONG, CN
[72] YAN, LEI, CN
[72] ZHANG, TAO, CN
[72] CHEN, CHAO, CN
[72] KE, YILI, CN
[72] KONG, MING, CN
[72] ZHANG, JIE, CN
[72] LIU, ZHIJIAN, CN
[72] LIU, LIFENG, CN
[73] FIBERHOME TELECOMMUNICATION TECHNOLOGIES CO., LTD,
[85] 2018-05-01
[86] 2016-10-21 (PCT/CN2016/102796)
[87] (WO2017/181636)
[30] CN (201610251260.5) 2016-04-21

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[11] **3,004,116**
[13] C
[51] **Int.Cl. B61B 13/04 (2006.01) E01B 25/10 (2006.01)**
[25] EN
[54] **METHOD FOR RETROFITTING A MONORAIL GUIDE BEAM AND RETROFITTED MONORAIL GUIDE BEAM**
[54] **METHODE DE RENOVATION D'UN MONTANT GUIDE DE MONORAIL ET MONTANT GUIDE DE MONORAIL RENOVE**
[72] TIMAN, PETER, CA
[73] BOMBARDIER TRANSPORTATION GMBH,
[86] (3004116)
[87] (3004116)
[22] 2018-05-07

[11] **3,005,580**
[13] C
[51] **Int.Cl. E05G 1/10 (2006.01) B62H 3/00 (2006.01) B62H 5/20 (2006.01) E04H 6/02 (2006.01) E05B 47/06 (2006.01) E05B 65/52 (2006.01) G08B 13/08 (2006.01) G08B 25/00 (2006.01) G08B 25/10 (2006.01)**
[25] EN
[54] **BICYCLE SECURITY VAULT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CHAMBRE FORTE DE SECURITE POUR BICYCLETTES**
[72] APPLEBY, CORY R., CA
[73] APPLEBY, CORY R.,
[86] (3005580)
[87] (3005580)
[22] 2018-05-22
[30] US (15795199) 2017-10-26

[11] **3,005,951**
[13] C
[51] **Int.Cl. B01D 53/50 (2006.01) B01D 53/18 (2006.01) B01D 53/78 (2006.01)**
[25] EN
[54] **FLUE GAS DESULFURIZATION SYSTEM**
[54] **SYSTEME DE DESULFURATION DE GAZ DE CARNEAU**
[72] KUMAGAI, KAZUYA, JP
[73] CHIYODA CORPORATION,
[85] 2018-05-22
[86] 2016-11-29 (PCT/JP2016/004997)
[87] (WO2017/098697)
[30] JP (2015-238290) 2015-12-07

[11] **3,009,155**
[13] C
[51] **Int.Cl. C03B 5/237 (2006.01) C01B 3/46 (2006.01) C03B 5/235 (2006.01)**
[25] EN
[54] **GLASS FURNACE WITH IMPROVED PRODUCTION RATE**
[54] **FOUR DE VERRERIE PRESENTANT UN MEILLEUR TAUX DE PRODUCTION**
[72] KOBAYASHI, HISASHI, US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2018-06-19
[86] 2016-12-20 (PCT/US2016/067778)
[87] (WO2017/112671)
[30] US (62/387,125) 2015-12-23

[11] **3,011,119**
[13] C
[51] **Int.Cl. F28F 7/00 (2006.01) B29C 64/153 (2017.01) F28D 7/00 (2006.01) F28F 1/02 (2006.01)**
[25] EN
[54] **ADDITIVELY MANUFACTURED HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR FABRIQUE DE MANIERE ADDITIVE**
[72] MOORE, NICHOLAS TAYLOR, US
[72] CERNY, MATTHEW ROBERT, US
[73] GENERAL ELECTRIC COMPANY,
[86] (3011119)
[87] (3011119)
[22] 2018-07-12
[30] US (15/653,613) 2017-07-19

[11] **3,011,745**
[13] C
[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/467 (2006.01) C09K 8/504 (2006.01) C09K 8/506 (2006.01) C09K 8/57 (2006.01) C09K 8/575 (2006.01)**
[25] EN
[54] **REVERSIBLE AMINAL GEL COMPOSITIONS, METHODS, AND USE**
[54] **COMPOSITIONS DE GEL AMINAL REVERSIBLE, PROCEDES, ET UTILISATION**
[72] BOUL, PETER J., US
[72] REDDY, B. RAGHAVA, US
[72] HILFIGER, MATT, US
[72] THAEMLITZ, CARL, US
[73] SAUDI ARABIAN OIL COMPANY,
[85] 2018-07-17
[86] 2017-02-03 (PCT/US2017/016356)
[87] (WO2017/136628)
[30] US (62/290,713) 2016-02-03

[11] **3,013,570**
[13] C
[51] **Int.Cl. G08G 1/16 (2006.01) G08G 1/01 (2006.01)**
[25] EN
[54] **PROXIMITY AWARENESS SYSTEM FOR MOTOR VEHICLES**
[54] **SYSTEME DE DETECTION DE PROXIMITE POUR VEHICULES A MOTEUR**
[72] MASSEY, BRENT F., US
[72] ROULEAU, GREG L., US
[72] SELDEN, THADDEUS NOLL, US
[73] RIDAR SYSTEMS LLC,
[85] 2018-08-02
[86] 2016-02-10 (PCT/US2016/017383)
[87] (WO2016/130701)
[30] US (62/114,236) 2015-02-10

[11] **3,016,437**
[13] C
[51] **Int.Cl. C09J 163/00 (2006.01) C08G 59/18 (2006.01) C08G 59/50 (2006.01) C08K 3/08 (2006.01) C08L 63/00 (2006.01) C09C 1/64 (2006.01) C09J 11/04 (2006.01)**
[25] EN
[54] **COMPOSITION INCLUDING EPOXY ADHESIVE AND ALUMINUM FLAKES AND METHOD FOR MAKING THE SAME**
[54] **COMPOSITION COMPRENANT UN ADHESIF EPOXYDE ET DES PAILLETTES D'ALUMINIUM ET SON PROCEDE DE PREPARATION**
[72] SCHLECHTE, JAY S., US
[72] NOSBUSCH, PEYTON R., US
[72] STOUT, GEORGE M., US
[72] KROPP, MICHAEL A., US
[73] 3M INNOVATIVE PROPERTIES COMPANY,
[85] 2018-08-31
[86] 2017-03-02 (PCT/US2017/020419)
[87] (WO2017/151898)
[30] US (62/302,720) 2016-03-02

[11] **3,018,291**
[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/62 (2006.01) B01J 29/00 (2006.01)**
[25] EN
[54] **PROCESSES USING IMPROVED RHO ADSORBENT COMPOSITIONS**
[54] **PROCEDE EMPLOYANT DES COMPOSITIONS ADSORBANTES RHO AMELIOREES**
[72] BHADRA, SHUBHRA JYOTI, US
[72] WHITLEY, ROGER DEAN, US
[72] CASTEEL, WILLIAM JACK, JR., US
[72] GOLDEN, TIMOTHY CHRISTOPHER, FR
[72] CHI-HO LAU, GARRET, US
[72] SORENSEN, ERIN MARIE, US
[72] QUINN, ROBERT, US
[72] LOZINSKA, MAGDALENA M., GB
[72] WRIGHT, PAUL A., GB
[72] KALBASSI, MOHAMMAD ALI, GB
[73] AIR PRODUCTS AND CHEMICALS, INC.,
[86] (3018291)
[87] (3018291)
[22] 2018-09-24
[30] US (15/718,620) 2017-09-28

[11] **3,018,415**
[13] C
[51] **Int.Cl. B23K 20/04 (2006.01) C22C 21/00 (2006.01) C22F 1/043 (2006.01)**
[25] EN
[54] **ALUMINUM COMPOSITE MATERIAL HAVING A CORROSION PROTECTION LAYER**
[54] **MATERIAU COMPOSITE D'ALUMINIUM DOTE D'UNE COUCHE ANTICORROSION**
[72] BERMIG, GERHARD, DE
[72] EIGEN, NICO, DE
[72] JANSSEN, HARTMUT, DE
[72] MROTZEK, MANFRED, DE
[72] SCHLUTER, STEFAN, DE
[72] SASS, VOLKER, DE
[73] HYDRO ALUMINIUM ROLLED PRODUCTS GMBH,
[85] 2018-09-20
[86] 2017-01-04 (PCT/EP2017/050145)
[87] (WO2017/182145)
[30] EP (16166064.2) 2016-04-19

[11] **3,020,452**
[13] C
[51] **Int.Cl. E02D 29/12 (2006.01) E02D 29/14 (2006.01)**
[25] EN
[54] **FRAME POSITIONING DEVICE FOR POSITIONING A FRAME OVER AN INLET OF A CATCH BASIN OR MANHOLE AND METHOD FOR POSITIONING THE SAME**
[54] **DISPOSITIF DE POSITIONNEMENT DE CADRE SERVANT A POSITIONNER UN CADRE SUR UNE ENTREE D'UN BASSIN COLLECTEUR OU D'UN TROU D'HOMME ET METHODE DE POSITIONNEMENT DUDIT DISPOSITIF**
[72] FOURNIER, DENIS, CA
[73] CANADA PIPE COMPANY ULC,
[86] (3020452)
[87] (3020452)
[22] 2018-10-10
[30] US (62/570,400) 2017-10-10

[11] **3,021,909**
[13] C
[51] **Int.Cl. C07D 211/58 (2006.01) C07D 211/38 (2006.01)**
[25] EN
[54] **USE OF COMPOUNDS FOR MAKING PRODUCTS WITH AT LEAST ONE N-HALAMINE PRECURSOR GROUP AND AT LEAST ONE CATIONIC CENTER**
[54] **UTILISATION DE COMPOSES POUR LA FABRICATION DE PRODUITS AVEC AU MOINS UN GROUPE PRECURSEUR DE N-HALAMINE ET AU MOINS UN CENTRE CATIONIQUE**
[72] BINDRA, GURMEET S., CA
[73] UNIVERSITY OF MANITOBA,
[85] 2018-10-23
[86] 2017-07-06 (PCT/CA2017/050819)
[87] (WO2018/006175)
[30] US (62/358,621) 2016-07-06

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[13] C
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[54] **PHARMACEUTICAL OPHTHALMIC COMPOSITIONS AND METHODS FOR FABRICATING THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES OPHTALMIQUES ET PROCEDES DE FABRICATION ASSOCIES**
[72] WILEY, WILLIAM, US
[72] DILZER, RICHARD, US
[72] SAADEH, DENNIS ELIAS, US
[72] LIEGNER, JEFFREY T., US
[72] KAROLCHYK, JOHN SCOTT, US
[72] COVALESKY, BERNARD, US
[72] PETERS, KALLAN, US
[73] HARROW IP, LLC,
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[54] **TOURELLE A ARRET NUL REGLABLE**
[72] VANBECELAERE, JACOB C., US
[73] VISTA OUTDOOR OPERATIONS LLC,
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[54] **OIL SAND THICKENER SHEAR LOOP**
[54] **BOUCLE DE CISAILLEMENT D'AGENT EPAISSISSANT DE SABLES BITUMINEUX**
[72] RENNARD, DAVID C., GB
[72] SAKUHUNI, GIVEMORE, CA
[72] MCMULLAN, JASON, US
[73] IMPERIAL OIL RESOURCES LIMITED,
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[86] (3026744)
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[54] **METHODS OF GENERATING COMPRESSION GARMENT MEASUREMENT INFORMATION FOR A PATIENT BODY PART OR BODY AREA OF INTEREST AND USE THEREOF**
[54] **PROCEDES DE PRODUCTION D'INFORMATIONS DE MESURE DE VETEMENT COMPRESSIF POUR UNE PARTIE DE CORPS OU UNE ZONE DE CORPS D'INTERET D'UN PATIENT ET SON UTILISATION**
[72] FRANK, NATHAN DANIEL, US
[72] WEILER, MICHAEL J., US
[73] LYMPHATECH, INC.,
[85] 2019-01-29
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[54] **INDUCTOR SYSTEM HAVING SHARED MATERIAL FOR FLUX CANCELLATION**
[54] **SYSTEME D'INDUCTEUR AYANT UN MATERIAU PARTAGE POUR L'ANNULATION DU FLUX**
[72] LESTOQUOY, GUILLAUME, US
[73] WITRICITY CORPORATION,
[85] 2019-01-31
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[25] EN
[54] **DEFINING AND ENFORCING OPERATIONAL ASSOCIATIONS BETWEEN CONFIGURATION ITEM CLASSES IN MANAGED NETWORKS**
[54] **DEFINIR ET METTRE EN OEUVRE DES ASSOCIATIONS FONCTIONNELLES ENTRE DES CATEGORIES D'ELEMENT DE CONFIGURATION DANS LES RESEAUX GERES**
[72] POLINATI, CHINNA BABU, US
[72] PUVVADA, MADHAVI, US
[72] SHAH, VIRAL, US
[72] PERERA, M. KURUKULASURIYA P. RUKSHAN FELIX, US
[73] SERVICENOW, INC.,
[86] (3034904)
[87] (3034904)
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[54] **ELECTRIC VEHICLE POWER-HUB AND OPERATING MODES THEREOF**
[54] **CONCENTRATEUR D'ALIMENTATION DE VEHICULE ELECTRIQUE ET MODES DE FONCTIONNEMENT DE CELUI-CI**
[72] NASR, MIAD, CA
[72] TRESCASES, OLIVIER, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO,
[73] HAVELAAR CANADA INDUSTRIAL R & D LABORATORY LTD.,
[85] 2019-03-14
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[54] **ROTOR CENTRALIZATION FOR TURBINE ENGINE ASSEMBLY**
[54] **CENTRALISATION DU ROTOR POUR ENSEMBLE MOTEUR A TURBINE**
[72] SWIDERSKI, JOSEPH, CA
[72] SMITH, SCOTT, CA
[72] MARSHALL, LAWRENCE, CA
[73] PRATT & WHITNEY CANADA CORP.,
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[87] (3040329)
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[25] EN
[54] **FILTER-GASKET ASSEMBLY WITH SEAL AND PLACEMENT INDICATOR FOR STERILIZATION RIGID CONTAINER**
[54] **ENSEMBLE FILTRE-JOINT DOTE D'UN INDICATEUR DE PLACEMENT ET D'ETANCHEITE POUR RECIPIENT RIGIDE DE STERILISATION**
[72] SPENCER, ANTHONY S., US
[72] POTNIS, PRASAD S., US
[72] NASH, CHRISTENA K., US
[72] WU, KUN-CHI, US
[72] LIN, BRIAN E., US
[72] CHANG, SHARON S., US
[73] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY,
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[25] FR
[54] **HEATING APPARATUS OF THE ELECTRIC RADIATOR TYPE INCLUDING A VOLTAGE CONVERTER**
[54] **APPAREIL DE CHAUFFAGE DE TYPE RADIATEUR ELECTRIQUE INCLUANT UN CONVERTISSEUR DE TENSION**
[72] MEYER, RAPHAEL, FR
[72] MOREAU, GILLES, FR
[72] ROMATIER, ANTOINE, FR
[73] LANCEY ENERGY STORAGE,
[85] 2019-05-17
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[25] EN
[54] **HIGH-STRENGTH FREE-CUTTING COPPER ALLOY AND METHOD FOR PRODUCING HIGH-STRENGTH FREE-CUTTING COPPER ALLOY**
[54] **ALLIAGE DE CUIVRE DE DECOLLETAGE HAUTEMENT RESISTANT, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] OISHI, KEIICHIRO, JP
[72] SUZAKI, KOUICHI, JP
[72] GOTO, HIROKI, JP
[73] MITSUBISHI SHINDOH CO., LTD.,
[85] 2019-08-01
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[54] **METHODS AND APPARATUS FOR ALTERNATIVE WIND TURBINES**
[54] **PROCEDES ET APPAREILS POUR TURBINE EOLIENNE DE RECHANGE**
[72] ZOUGARI, MOHAMMED I, CA
[71] ZOUGARI, MOHAMMED I, CA
[22] 2018-07-05
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[25] EN
[54] **MEDICATION ADHERENCE DEVICE**
[54] **DISPOSITIF DE SUIVI DE L`ADHESION A UN TRAITEMENT**
[72] VAZIRI, FATEH, CA
[71] VAZIRI, FATEH, CA
[22] 2018-07-05
[41] 2020-01-05

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[25] EN
[54] **VALVE FOR BYPASS CONDUIT**
[54] **SOUPAPE DE CONDUIT DE DERIVATION**
[72] FIORENZA, FRANCESCO, CA
[71] SMART RS INC., CA
[22] 2018-07-05
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[25] EN
[54] **MARIJUANA SPIRIT SPIKER AND METHOD**
[54] **SUBSTANCE DE MARIJUANA A AJOUTER AUX SPIRITUEUX, ET PROCEDE**
[72] DICKIE, ADAM F., CA
[71] DICKIE, ADAM F., CA
[22] 2018-07-06
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[25] FR
[54] **BROKERAGE AT VARIED RATES. MARKETING CONCEPT AND BUSINESS MODEL FOR REAL ESTATE BROKER**
[54] **COURTAGE A TAUX VARIABLE. CONCEPT DE MISE EN MARCHE ET MODELE D'AFFAIRE POUR COURTIER IMMOBILIER**
[72] OUELLET, DENIS, CA
[71] OUELLET, DENIS, CA
[22] 2018-07-06
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[25] EN
[54] **DISH CADDIES AND DRINK CLEARING TRAYS FOR RESTAURANT TABLE SERVING AND CLEANUP**
[54] **CHARRIOTS A VAISSELLE ET PLATEAUX PERMETTANT DE SE DEBARRASSER DES BOISSONS POUR LE SERVICE ET LE NETTOYAGE DES RESTAURANTS**
[72] AGUIRRE, JAVIER F., CA
[71] AGUIRRE, JAVIER F., CA
[22] 2018-07-06
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[13] A1
[51] **Int.Cl. C08L 23/06 (2006.01) C08J 3/20 (2006.01)**
[25] EN
[54] **HIGH MOLECULAR WEIGHT POLYETHYLENE COMPOSITION, PRODUCT AND PROCESS OF MAKING SAME**
[54] **COMPOSITION DE POLYETHYLENE DE MASSE MOLECULAIRE ELEVEE, PRODUIT ET PROCEDE DE FABRICATION**
[72] BROWN, JOHN P., CA
[71] 8819122 CANADA INC., CA
[22] 2018-07-05
[41] 2020-01-05

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[13] A1
[51] **Int.Cl. A47G 21/18 (2006.01) F16B 7/10 (2006.01)**
[25] EN
[54] **TELESCOPIC METAL DRINKING STRAW**
[54] **PAILLE TELESCOPIQUE EN METAL**
[72] PRICE, EMILY C., CA
[71] PRICE, EMILY C., CA
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[25] EN
[54] **BIOREACTOR FOR SULFATE REDUCTION**
[54] **BIOREACTEUR POUR LA REDUCTION DE SULFATE**
[72] HANSON, JEFFREY JOHN, US
[71] HANSON, JEFFREY JOHN, US
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[51] **Int.Cl. C13B 50/00 (2011.01) C13B 20/00 (2011.01) C13B 25/00 (2011.01) C13B 30/00 (2011.01) A23L 33/105 (2016.01) A23L 33/125 (2016.01)**
[25] FR
[54] **COMPOSITIONS WITH MAPLE SYRUP AS THEIR BASE AND THEIR MANUFACTURING PROCESSES**
[54] **COMPOSITIONS A BASE DE SEVE D'ERABLE ET LEURS PROCEDES DE FABRICATION**
[72] DUFOUR, CLAUDE, CA
[72] ALI, FADI, CA
[71] LES TECHNOLOGIES CLDUFOUR INC., CA
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[25] FR
[54] **REFRIGERATED GARBAGE CONTAINER FOR COMPOSTABLE WASTE**
[54] **POUBELLE REFRIGEREE A RESIDUS COMPOSTABLE**
[72] VOYER, YVES Y. V., CA
[71] VOYER, YVES Y. V., CA
[22] 2018-07-09
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[51] **Int.Cl. H02J 15/00 (2006.01) H02M 3/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD UTILIZING DEFLECTION CONVERSION FOR INCREASING THE ENERGY EFFICIENCY OF A CIRCUIT AND TIME RATE WHILE CHARGING AN ELECTRICAL STORAGE DEVICE, DIFFERENT CIRCUIT CONFIGURATIONS COMPOSING A GROUP TERMED DEFLECTION CONVERTERS, WHERE THIS INVENTION INTEGRATES DEFLECTION CONVERSION INTO A REGENERATIVE ENERGY RECOVERY AND OR GENERATION SYSTEM**
[54] **SYSTEME ET METHODE D'UTILISATION DE CONVERSION DE DEVIATION DESTINES A AUGMENTER L'EFFICACITE ENERGETIQUE D'UN CIRCUIT ET LA PUISSANCE HORAIRE TOUT EN CHARGEANT UN DISPOSITIF DE STOCKAGE ELECTRIQUE, CONFIGURATIONS DE DIFFERENTS CIRCUITS COMPOSANT UN GROUPE DE CONVERTISSEURS DE DEVIATION DESIGNES DANS LESQUELLES CETTE INVENTION INTEGRE LA CONVERSION DE DEVIAT**
[72] MILLER, MITCHELL B., CA
[71] MILLER, MITCHELL B., CA
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[51] **Int.Cl. B25H 3/00 (2006.01) B25B 13/06 (2006.01)**
[25] EN
[54] **SOCKET HOLDING FRAME ASSEMBLY**
[54] **ENSEMBLE CHASSIS DE RETENUE DE L`EMBOITURE**
[72] KAO, JUI-CHIEN, CN
[71] KAO, JUI-CHIEN, CN
[22] 2018-07-10
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[51] **Int.Cl. A01D 43/00 (2006.01) A01D 41/12 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **CROP CONVERGENCE SYSTEM FOR ROTARY MOWER**
[54] **SYSTEME DE CONVERGENCE DES RECOLTES POUR LA FAUCHEUSE ROTATIVE**
[72] BARNETT, NEIL, US
[72] KOLEGAEV, KONSTANTIN, CA
[72] STEPHENS, MATTHEW J., CA
[71] MACDON INDUSTRIES LTD., CA
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[25] EN
[54] **METHODS FOR REMOVING MERCURY CONTAMINANT FROM AQUEOUS SOLUTIONS, AND BIOREACTORS THEREFOR**
[54] **PROCEDE D`ELIMINATION DU CONTAMINANT MERCURE DES SOLUTIONS AQUEUSES ET DES BIOREACTEURS DE CELLES-CI**
[72] POULAIN, ALEXANDRE, CA
[72] GREGOIRE, DANIEL, CA
[71] UNIVERSITY OF OTTAWA, CA
[22] 2018-07-10
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[51] **Int.Cl. A61B 5/04 (2006.01) G16H 50/20 (2018.01) A61B 5/0476 (2006.01)**
[25] EN
[54] **SYSTEM, SYSTEM ARCHITECTURE, AND METHOD FOR NEURAL CROSS-FREQUENCY COUPLING ANALYSIS**
[54] **SYSTEME, ARCHITECTURE DE SYSTEME ET PROCEDE DE L`ANALYSE COUPLEE INTER-FREQUENCES NEURONALE**
[72] GENOV, ROMAN, CA
[72] O'LEARY, GERARD, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[25] EN
[54] **PRODUCTION THE PERMANENT POWER FOR LOW VOLTAGE EQUIPMENT**
[54] **PRODUCTION D'ENERGIE PERMANENTE POUR EQUIPEMENT A BASSE TENSION**
[72] SADEGHI, SIAVOSH S. S., CA
[71] SADEGHI, SIAVOSH S. S., CA
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[25] EN
[54] **AN INTEGRATED THERMAL PROCESS FOR HEAVY-OIL AND GAS TO LIQUIDS CONVERSION**
[54] **TRAITEMENT THERMIQUE INTEGRE POUR LA CONVERSION DU PETROLE ET DU GAZ LOURD AUX LIQUIDES**
[72] BENHAM, KELLY, CA
[72] ARCHER, BERNARD MARK, CA
[72] BENHAM, NICHOLAS DANIEL, CA
[71] SUNCOR ENERGY INC., CA
[22] 2018-07-11
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[51] **Int.Cl. C08L 23/08 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND FILM HAVING RETAINED DART IMPACT**
[54] **COMPOSITION ET FILM DE POLYETHYLENE PRESENTANT UN CHOC A LA TORPILLE RETENU**
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] MOLLOY, BRIAN, CA
[72] WANG, QINYAN, CA
[72] VANASSELDONK, LAWRENCE, CA
[72] AUBEE, NORMAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2018-07-11
[41] 2020-01-11

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[51] **Int.Cl. C08L 23/08 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND FILM HAVING OUTSTANDING PROPERTIES**
[54] **COMPOSITION ET FILM DE POLYETHYLENE PRESENTANT D`EXCELLENTES PROPRIETES**
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] WANG, QINYAN, CA
[72] VANASSELDONK, LAWRENCE, CA
[72] AUBEE, NORMAN, CA
[72] MOLLOY, BRIAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[51] **Int.Cl. C08L 23/08 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND FILM HAVING A GOOD PERMEABILITY, STIFFNESS AND SEALABILITY**
[54] **COMPOSITION ET FILM DE POLYETHYLENE PRESENTANT UNE BONNE PERMEABILITE, RIGIDITE ET ETANCHEITE**
[72] WANG, XIAOCHUAN, CA
[72] MOLLOY, BRIAN, CA
[72] VANASSELDONK, LAWRENCE, CA
[72] AUBEE, NORMAN, CA
[72] ZORICAK, PETER, CA
[72] WANG, QINYAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[51] **Int.Cl. C08L 23/08 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND FILM**
[54] **COMPOSITION ET FILM DE POLYETHYLENE**
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] MOLLOY, BRIAN, CA
[72] WANG, QINYAN, CA
[72] VANASSELDONK, LAWRENCE, CA
[72] AUBEE, NORMAN, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[51] **Int.Cl. C08L 23/08 (2006.01) C08J 5/18 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND FILM HAVING HIGH STIFFNESS, OUTSTANDING SEALABILITY AND HIGH PERMEABILITY**
[54] **COMPOSITION ET FILM DE POLYETHYLENE PRESENTANT UNE RIGIDITE ET PERMEABILITE ELEVEE ET UNE EXCELLENTE ETANCHEITE**
[72] WANG, XIAOCHUAN, CA
[72] ZORICAK, PETER, CA
[72] MOLLOY, BRIAN, CA
[72] WANG, QINYAN, CA
[72] VANASSELDONK, LAWRENCE, CA
[72] AUBEE, NORMAN, CA
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[54] **TRIEUSE DE RONDINS**
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[71] DUZ CHO FOREST PRODUCTS LTD., CA
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[54] **COMPRESSION ET DECOMPRESSION D`IMAGE RESILIENTE**
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[72] MEHTA, RAM, US
[72] KOEPSELL, KILIAN, US
[72] GARFINKLE, CHARLES, CA
[71] AWECOM, INC., US
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[54] **ALLIAGE D`ACIER AUSTENITIQUE**
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[72] HUANG, TING-YI, CN
[71] YONG DING APPLIED MATERIAL CO., LTD., CN
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[54] **RUBAN A MESURER ET METHODE**
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[72] SUVOROVA, OLGA, CA
[71] SUVOROV, NIKOLAY, CA
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[54] **DISPOSITIF DE CHAUFFAGE ET CIGARETTE ELECTRONIQUE EQUIPEE D`UN DISPOSITIF DE CHAUFFAGE**
[72] OUYANG, JUNWEI, CN
[71] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
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[54] **DISPOSITIF DE CHAUFFAGE ET CIGARETTE ELECTRONIQUE EQUIPEE D`UN DISPOSITIF DE CHAUFFAGE**
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[71] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
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[54] **CAPTEUR PNEUMATIQUE ET CIGARETTE ELECTRONIQUE EQUIPEE D`UN CAPTER PNEUMATIQUE**
[72] OUYANG, JUNWEI, CN
[71] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
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[54] **POWER SUPPLY AND ELECTRONIC CIGARETTE HAVING SAME**
[54] **SYSTEME D`ALIMENTATION ET CIGARETTE ELECTRONIQUE EQUIPEE D`UN SYSTEME D~ALIMENTATION**
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[71] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
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[54] **BLOC D`ALIMENTATION AVEC ENTRAINEMENT PAR COURROIE, EPANDEUR VENTRAL ET FIXATION**
[72] LEHMAN, ROSCOE J., US
[72] NOLT, CHRISTOPHER A., US
[72] STEINER, ROY I., US
[72] BADGER, CHAD R., US
[72] LIGGETT, JEFFREY C., US
[71] VENTURE PRODUCTS, INC., US
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[54] **SYSTEME SPORTIF ET MODE D`EMPLOI**
[72] ST-PIERRE, GENEVIEVE, CA
[71] GSC TECHNOLOGIES INC., CA
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[54] **METHODES THERAPEUTIQUES AMELIORAEES PAR ONDES DE CHOC ACOUSTIQUES**
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[72] MULLINS, JOHN, US
[71] WARLICK, JOHN F., US
[71] MULLINS, JOHN, US
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[54] **ENSEMBLE DE TUILES CENTRIFUGES**
[72] WOOD, NATHAN G., US
[72] DAVISON, ROBERT J., US
[72] PUZZ, TRAVIS E., US
[71] KENNAMETAL INC., US
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[54] **METHODE ET SYSTEME DE CLASSIFICATION AUTOMATIQUE DES CHROMOSOMES**
[72] SHARMA, MONIKA, IN
[72] VIG, LOVEKESH, IN
[72] SWATI, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
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[54] **SYSTEMES, METHODES ET FILS FOURRES POUR TRAITER UN METAL FONDU**
[72] REYNOLDS, MARK, CA
[71] 2498890 ONTARIO INC., CA
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[54] **HYDRAULIC PUMP WITH SECONDARY SAFETY CHECK VALVE**
[54] **POMPE HYDRAULIQUE AVEC SOUPAPE DE SECURITE SECONDAIRE**
[72] SCHULZ, BENJAMIN T., US
[72] ANDERSEN, JONATHAN I., US
[72] EGGERT, DANIEL, US
[71] SNAP-ON INCORPORATED, US
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[54] **DEMONTE-PNEU**
[72] BENDORF, SCOTT A., US
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[54] **SYSTEMS AND METHODS FOR IMPLEMENTING ACTIONS BASED ON ACTIVITY DATA ACQUIRED DURING A POINT OF SALE FUNCTION**
[54] **SYSTEMES ET METHODES POUR LA MISE EN OEUVRE D`ACTIONS EN FONCTION DE S DONNEES D`ACTIVITES OBTENUES AU COURS D`UNE FONCTION DE POINT DE VENTE**
[72] BROSNAN, SUSAN WINTER, US
[72] GOINS, DANIEL ROBERT, US
[72] HERRING, DEAN FREDERICK, US
[72] HOGAN, PATRICIA STEPHANY, US
[72] SNEAD, JESSICA S.K., US
[71] TOSHIBA GLOBAL COMMERCE SOLUTIONS HOLDINGS CORPORATION, JP
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[54] **CIRCUIT EMULATEUR D`UNE LAMPE FLUORESCENTE A DEL**
[72] CHENG, XIAOXIANG, CN
[71] ELB ELECTRONICS, INC., US
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[54] **SUBSTANCE DE MARIJUANA A AJOUTER AUX BOISSONS, ET PROCEDE**
[72] DICKIE, ADAM F., CA
[71] DICKIE, ADAM F., CA
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[54] **FAILED AND CENSORED INSTANCES BASED REMAINING USEFUL LIFE (RUL) ESTIMATION OF ENTITIES**
[54] **ESTIMATION DE LA DUREE DE VIE UTILE RESTANTE FONDEE SUR LES INSTANCES ECHOUEES ET CENSUREES DES ENTITES**
[72] MALHOTRA, PANKAJ, IN
[72] TV, VISHNU, IN
[72] VIG, LOVEKESH, IN
[72] SHROFF, GAUTAM, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
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[25] EN
[54] **SPARSE NEURAL NETWORK BASED ANOMALY DETECTION IN MULTI-DIMENSIONAL TIME SERIES**
[54] **DETECTION D`ANOMALIES PAR RESEAU NEURONAL DENSE DANS LES SERIES CHR ONOLOGIQUES MULTIDIMENSIONNELLES**
[72] MALHOTRA, PANKAJ, IN
[72] GUGULOTHU, NARENDHAR, IN
[72] VIG, LOVEKESH, IN
[72] SHROFF, GAUTAM, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
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[54] **AMORTISSEUR DE PULSATIONS**
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[71] CARCARE GIMENO, MANUEL, ES
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[54] **PINCE DE PUITS**
[72] CLASEN, DITMAR, DE
[72] HELMS, MARTIN, DE
[72] THIEMANN, BJOERN, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **TURBULATEURS POUR REFROIDIR L`ECRAN THERMIQUE D`UNE CHAMBRE DE COMB USTION**
[72] DEBRUHL, CHRISTOPHER DWAYNE, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
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[54] **SYSTEM FOR COMBUSTOR COOLING AND TRIM AIR PROFILE CONTROL**
[54] **SYSTEME DE CONTROLE DU PROFIL D`AIR D`EQUILIBRAGE ET DE REFROIDIS SEMENT D`UNE CHAMBRE DE COMBUSTION**
[72] DEBRUHL, CHRISTOPHER DWAYNE, US
[72] ROESLER, TIMOTHY C., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
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[54] **SMART SCREEN FOR CITIZEN INTERACTIONS AND COMMUNICATIONS**
[54] **ECRAN INTELLIGENT AUX FINS DE COMMUNICATIONS ET D`INTERACTIONS AVEC L ES CITOYENS**
[72] SANCHEZ, JORGE SANCHEZ, CR
[72] PANIAGUA, FLOR DE MARIA MONTERO, CR
[71] COLOR VISION, S.A, CR
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[54] **VERROUILLAGE DES AILES AVEC VALVE DE BLOQUEUR HYDRAULIQUE**
[72] BRIMEYER, ALEX, US
[72] PIERSON, JOSHUA R., US
[72] VANDEVEN, MICHAEL L., US
[72] LAUGEN, AUSTIN M., US
[72] MARVIN, PAUL D., US
[71] DEERE & COMPANY, US
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[25] EN
[54] **ELECTRICAL RACEWAY SYSTEM AND ASSOCIATED WIRE BUNDLE CLAMP SYSTEM AND METHOD**
[54] **SYSTEME DE CANALISATION ELECTRIQUE ET SYSTEME ET PROCEDE D`ATTACH E DE FAISCEAU DE FILS CONNEXE**
[72] MOHLMAN, SHAWN D., US
[71] THE BOEING COMPANY, US
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[54] **APPARATUSES FOR AND METHODS OF INSTALLING PRE-MOLDED SEAL CAPS**
[54] **APPAREILS ET PROCEDES D`INSTALLATION DE CAPUCHONS D`ETANCHEITE PREMOULES**
[72] BUHAGER, JOHN M., US
[72] CHANT, STEPHEN J., US
[71] THE BOEING COMPANY, US
[22] 2019-04-26
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[54] **DECORATION CHAUSSURE**
[72] UNKNOWN, XX
[71] HAPPY U LIMITED, GB
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[54] **SYSTEM AND METHOD FOR CONTROLLING THE SPEED OF AN AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE LA VITESSE D`UN OUTIL AGRICOLE**
[72] STANHOPE, TREVOR, US
[71] CNH INDUSTRIAL AMERICA LLC, US
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[25] EN
[54] **DEPTH ADJUSTMENT SYSTEM FOR SEED PLANTING UNITS OF AN AGRICULTURAL IMPLEMENT AND RELATED ASSEMBLIES**
[54] **SYSTEME DE REGLAGE DE LA PROFONDEUR DES UNITES DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE ET ENSEMBLES CONNEXES**
[72] KOWALCHUK, TREVOR L., CA
[72] ALTMAN, RUSSELL, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[54] **DEPTH ADJUSTMENT SYSTEM FOR SEED PLANTING UNITS OF AN AGRICULTURAL IMPLEMENT AND RELATED ASSEMBLIES**
[54] **SYSTEME DE REGLAGE DE LA PROFONDEUR DES UNITES DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE ET ENSEMBLES CONNEXES**
[72] KOWALCHUK, TREVOR L., CA
[72] ALTMAN, RUSSELL, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[54] **DEPTH ADJUSTMENT FEATURES FOR A SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT**
[54] **CARACTERISTIQUES DE REGLAGE DE LA PROFONDEUR DE L`UNITE DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE**
[72] KOWALCHUK, TREVOR L., CA
[72] ENGEL, GORDON ANTHONY, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[25] EN
[54] **DEPTH ADJUSTMENT FEATURES FOR A SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT**
[54] **CARACTERISTIQUES DE REGLAGE DE LA PROFONDEUR DE L`UNITE DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE**
[72] KOWALCHUK, TREVOR L., CA
[72] ENGEL, GORDON ANTHONY, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[54] **CACHET D'UN CONVOYEUR A TOILE**
[72] TALBOT, FRANCOIS R., CA
[72] COUDIERE, ROMAIN ETIENNE GUY, CA
[71] MACDON INDUSTRIES LTD., CA
[22] 2019-05-17
[41] 2020-01-10
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[25] EN
[54] **SYSTEMS AND METHODS FOR CLASSIFICATION OF MULTI-DIMENSIONAL TIME SERIES OF PARAMETERS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE CLASSIFIER LES SERIES CHRONOLOGIQUES MULTIDIMENSIONNELLES DES PARAMETRES**
[72] MALHOTRA, PANKAJ, IN
[72] GUPTA, PRIYANKA, IN
[72] VIG, LOVEKESH, IN
[72] SHROFF, GAUTAM, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
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[54] **CABLES A FIBRES OPTIQUES A FORTE DENSITE**
[72] WELLS, BEN H., IT
[72] FALLAHMOHAMMADI, EHSAN, IT
[72] RISCH, BRIAN G., IT
[72] ANDERSON, CLINT NICHOLAUS, IT
[72] SACH, JOHN R., IT
[72] BARKER, JEFFREY SCOTT, IT
[71] PRYSMIAN S.P.A., IT
[22] 2019-05-28
[41] 2020-01-05
[30] US (16/028,264) 2018-07-05
[30] US (16/213,491) 2018-12-07

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[13] A1
[51] **Int.Cl. F21V 15/01 (2006.01) F21S 2/00 (2016.01) F21V 17/00 (2006.01) F21V 21/008 (2006.01) F21V 29/74 (2015.01) F21K 9/00 (2016.01) F21V 5/00 (2018.01)**
[25] EN
[54] **MODULAR SOLID STATE HIGH BAY LIGHTING FIXTURE WITH HINGED ACCESS PANEL**
[54] **APPAREIL D`ECLAIRAGE DE VOUTE MODULAIRE A SEMI-CONDUCTEURS DOTE D`UN PANNEAU D`ACCES ARTICULE**
[72] CHAMI, AYMEN, US
[72] CLOHOSEY, ERIC, US
[71] MAXLITE, INC., US
[22] 2019-05-28
[41] 2020-01-10
[30] US (16/031,574) 2018-07-10

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[13] A1
[51] **Int.Cl. E04D 1/22 (2006.01)**
[25] EN
[54] **SHINGLES WITH INCREASED HYDROPHOBICITY**
[54] **BARDEAUX OFFRANT UNE HYDROPHOBICITE ACCRUE**
[72] SMITH, WILLIAM, US
[72] SCHWEIGER, SCOTT, US
[72] VERHOFF, JONATHAN, US
[72] LANE, OZMA, US
[72] CLICK, KEVIN, US
[72] BUCKWALTER, DANIEL, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2019-05-27
[41] 2020-01-11
[30] US (62/696,563) 2018-07-11
[30] US (16/393,548) 2019-04-24

[21] **3,045,431**
[13] A1
[51] **Int.Cl. G05G 9/047 (2006.01) B60K 26/02 (2006.01) B60W 50/00 (2006.01) B62D 1/02 (2006.01) B62D 33/073 (2006.01)**
[25] EN
[54] **UNIVERSAL WORK VEHICLE CONTROL GRIP**
[54] **POIGNEE DE COMMANDE UNIVERSELLE DES VEHICULES DE TRAVAIL**
[72] WUISAN, GIOVANNI A., US
[72] HUBER, RONALD J., US
[72] MCGRATH, MATTHEW Q., US
[71] DEERE & COMPANY, US
[22] 2019-06-07
[41] 2020-01-09
[30] US (16/030,367) 2018-07-09
[30] US (16/401,628) 2019-05-02

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **FRACTURING SYSTEMS AND METHODS WITH RAMS**
[54] **SYSTEMES ET PROCEDES DE FRACTURATION AVEC DES VERINS**
[72] CHRISTOPHERSON, ADAM, US
[72] RUFF, NICHOLAS, US
[72] KREJCI, MICHAEL, US
[72] VOGEL, LEONARD, US
[72] SCHAEPER, GARY, US
[72] GUIDRY, KIRK P., US
[72] ROBINSON, STUART, US
[71] CAMERON TECHNOLOGIES LIMITED, NL
[22] 2019-06-13
[41] 2020-01-06
[30] US (62/694883) 2018-07-06
[30] US (62/694885) 2018-07-06

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04W 24/00 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONTROLLING OPERATION OF SATELLITE DATA UNITS OF AN AIRCRAFT**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE CONTROLER PERMETTANT D`EXPLOITER LES UNITES DE DONNEES PAR SATELLITE D`UN AERONEF**
[72] BOWEN, ANNGELIQUE A., US
[72] RAKKAR, GURJINDER S., US
[72] MUSTOE, RYAN D., US
[72] TORGERSON, GLENN A., US
[71] THE BOEING COMPANY, US
[22] 2019-06-12
[41] 2020-01-10
[30] US (16/031020) 2018-07-10

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[13] A1
[51] **Int.Cl. B21D 24/04 (2006.01) B21D 24/10 (2006.01)**
[25] EN
[54] **FINE BLANKING PRESS AND METHOD FOR HANDLING A PROCESS MATERIAL TO BE PROCESSED IN A FINE BLANKING PRESS**
[54] **PRESSE A DECOUPAGE DE PRECISION ET METHODE POUR TRAITER UN MATERIAU DE PROCEDE DEVANT ETRE TRAITE DANS UNE PRESSE A DECOUPAGE DE PRECISION**
[72] LOZANO BONET, JOSE, DE
[71] LAPMASTER WOLTERS GMBH, DE
[22] 2019-06-13
[41] 2020-01-09
[30] EP (18182386.5) 2018-07-09

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[51] **Int.Cl. A01F 15/08 (2006.01) A01F 15/07 (2006.01) B65B 11/00 (2006.01)**
[25] EN
[54] **ROUNDBALER AND DETECTION METHOD**
[54] **PRESSE A BALLES CYLINDRIQUES ET METHODE DE DETECTION**
[72] BIZIOREK, STEPHANE, DE
[72] GRESSET, PASCAL, DE
[72] REPECAUD, ROMAIN, DE
[72] PERROTIN, FREDERIC, DE
[72] GUILLEMOT, SEBASTIEN, DE
[71] DEERE & COMPANY, US
[22] 2019-06-17
[41] 2020-01-06
[30] DE (10 2018 211 228.2) 2018-07-06

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[13] A1
[51] **Int.Cl. G09G 5/377 (2006.01) G01D 21/00 (2006.01) G02B 27/01 (2006.01) H04L 29/10 (2006.01)**
[25] EN
[54] **AUGMENTED REALITY SYSTEM WITH AN ACTIVE PORTABLE ANCHOR**
[54] **SYSTEME DE REALITE AUGMENTEE OFFRANT UN DISPOSITIF D`ANCRAGE PORTATIF ACTIF**
[72] COFFMAN, MATHEW ALBERT, US
[72] LEE, NATHAN CHRISTIAN, US
[71] THE BOEING COMPANY, US
[22] 2019-06-18
[41] 2020-01-11
[30] US (16/032,168) 2018-07-11

[21] **3,047,566**
[13] A1
[51] **Int.Cl. A47C 3/02 (2006.01) A47C 4/28 (2006.01)**
[25] EN
[54] **FOLDABLE GLIDER CHAIR**
[54] **FAUTEUIL COULISSANT PLIANT**
[72] COOK, JORDAN, US
[71] WESTFIELD OUTDOOR, INC., US
[22] 2019-06-21
[41] 2020-01-11
[30] US (62/696,495) 2018-07-11

[21] **3,047,572**
[13] A1
[51] **Int.Cl. B65G 39/02 (2006.01)**
[25] EN
[54] **DEVICE COMPRISING A RUNNING ROLLER AND A SUSPENSION SYSTEM FOR A RUNNING ROLLER**
[54] **APPAREIL COMPRENANT UN ROULEAU LIBRE ET UN SYSTEME DE SUSPENSION POUR UN ROULEAU LIBRE**
[72] KIENREICH, TOBIAS, AT
[71] FAIGLE KUNSTSTOFFE GMBH, AT
[22] 2019-06-20
[41] 2020-01-05
[30] AT (A 199/2018) 2018-07-05

[21] **3,047,657**
[13] A1
[51] **Int.Cl. B62H 5/20 (2006.01) B62H 5/14 (2006.01) E05B 67/06 (2006.01) E05B 71/00 (2006.01)**
[25] EN
[54] **TWO-WHEELER LOCK HAVING AN ALARM FUNCTION**
[54] **CADENAS DE VEHICULE A DEUX ROUES AYANT UNE FONCTION D~ALARME**
[72] PANKRATIUS, ERNST, DE
[71] ABUS AUGUST BREMICKER SOHNE KG, DE
[22] 2019-06-21
[41] 2020-01-06
[30] DE (10208116434.3) 2018-07-06

[21] **3,047,673**
[13] A1
[51] **Int.Cl. B60K 15/077 (2006.01)**
[25] EN
[54] **FUEL TANK AND METHODS**
[54] **RESERVOIR DE COMBUSTIBLE ET METHODES**
[72] BEAULIEU, MARC, CA
[71] ATELIER GERARD BEAULIEU INC., CA
[22] 2019-06-20
[41] 2020-01-05
[30] US (62/763,827) 2018-07-05

[21] **3,047,749**
[13] A1
[51] **Int.Cl. A41D 13/12 (2006.01) A41H 43/02 (2006.01)**
[25] EN
[54] **MEDICAL GOWN**
[54] **CHEMISE D~HOPITAL**
[72] PONICH, DAVID R., CA
[72] EULERT, JOSHUA A., CA
[72] FOK, ENRICO W.K., CA
[72] ETHIER, LUCAS P., CA
[71] PRIMED MEDICAL PRODUCTS INC., CA
[22] 2019-06-21
[41] 2020-01-06
[30] US (62/694,821) 2018-07-06

[21] **3,047,757**
[13] A1
[51] **Int.Cl. A61B 5/042 (2006.01)**
[25] EN
[54] **MULTIPLEXING OF HIGH COUNT ELECTRODE CATHETER(S)**
[54] **MULTIPLEXAGE DE CATHETERS A NOMBRE ELEVE D~ELECTRODES**
[72] ZIV-ARI, MORRIS, IL
[72] BENAROYA, YOAV, IL
[72] URMAN, ROY, IL
[72] BARON, ODED, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-06-21
[41] 2020-01-09
[30] US (16/030,358) 2018-07-09

[21] **3,047,786**
[13] A1
[51] **Int.Cl. A24F 13/12 (2006.01) A24F 13/02 (2006.01) A24F 15/00 (2006.01)**
[25] EN
[54] **TOBACCO PRODUCT SCRAPER AND HOLDER**
[54] **GRATTOIR ET CONTENANT A PRODUITS DU TABAC**
[72] LOPEZ, MASSIMILIANO, US
[71] LOPEZ, MASSIMILIANO, US
[22] 2019-06-25
[41] 2020-01-11
[30] US (16/033176) 2018-07-11

[21] **3,047,788**
[13] A1
[51] **Int.Cl. E05D 7/10 (2006.01) A47J 37/07 (2006.01) E05D 3/02 (2006.01) E05D 11/06 (2006.01)**
[25] EN
[54] **GRILL HINGE**
[54] **CHARNIERE DE GRIL**
[72] ALBRECHT, ETHAN, US
[72] BENNION, DEREK, US
[72] OSHGAN, STEVE, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[22] 2019-06-25
[41] 2020-01-10
[30] US (16/031,699) 2018-07-10

[21] **3,047,867**
[13] A1
[51] **Int.Cl. A61M 29/02 (2006.01) A61B 1/32 (2006.01)**
[25] EN
[54] **EXPANSION INSTRUMENT**
[54] **INSTRUMENT EXPANSIBLE**
[72] TAKEKAWA, YOSHIHIDE, JP
[71] TAKEKAWA, YOSHIHIDE, JP
[22] 2019-06-26
[41] 2020-01-06
[30] JP (2018-129060) 2018-07-06

[21] **3,047,971**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B60N 2/26 (2006.01) B60N 2/42 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL ENERGY ABSORBER**
[54] **BRISE-CHARGE MULTIFONCTIONNELLE**
[72] WILL, ADAM MARK, US
[72] WALSH, QUENTIN, US
[72] SANTINI, JULIEN, US
[71] BRITAX CHILD SAFETY, INC., US
[22] 2019-06-25
[41] 2020-01-05
[30] US (62/694,113) 2018-07-05

[21] **3,048,031**
[13] A1
[51] **Int.Cl. B05B 1/02 (2006.01) A47J 31/46 (2006.01)**
[25] EN
[54] **INJECTOR NEEDLE**
[54] **AIGUILLE D~INJECTION**
[72] ROCHA-SIEGENTHALER, CEDRIC PASCAL SANTANA, CH
[71] CAFE TRES CORACOES S/A., BR
[22] 2019-06-26
[41] 2020-01-06
[30] BR (20 2018 013929-6) 2018-07-06

[21] **3,048,049**
[13] A1
[51] **Int.Cl. B32B 3/26 (2006.01) B32B 7/027 (2019.01) B32B 3/08 (2006.01) B32B 5/06 (2006.01) D06M 17/00 (2006.01)**
[25] EN
[54] **COMPOSITE FABRICS AND METHODS OF MANUFACTURE**
[54] **TISSUS COMPOSITES ET METHODES DE FABRICATION**
[72] LY, JOHN, US
[71] THE NORTH FACE APPAREL CORP., US
[22] 2019-06-25
[41] 2020-01-05
[30] US (62/694,189) 2018-07-05

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[13] A1
[51] **Int.Cl. B65D 50/02 (2006.01) A61J 1/03 (2006.01) B65D 43/16 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **CONTAINER WITH A CHILD-RESISTANT LID**
[54] **RECIPIENT AVEC COUVERCLE A L~EPREUVE DES ENFANTS**
[72] WARNER, NANCY, US
[72] BUCK, JEREMIAH, US
[71] ASSURPACK LLC, US
[22] 2019-06-26
[41] 2020-01-09
[30] US (62/695,366) 2018-07-09
[30] US (16/430,500) 2019-06-04

[21] **3,048,318**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) G08B 21/18 (2006.01) G08B 29/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING VOLTAGE EVENT ALARMS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES DE GESTION D~ALARMES DE TENSION DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (62/770,730) 2018-11-21
[30] US (62/770,732) 2018-11-21
[30] US (62/770,737) 2018-11-21
[30] US (62/770,741) 2018-11-21
[30] US (16/233,231) 2018-12-27

[21] **3,048,353**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **DYNAMIC TOLERANCE CURVES FOR POWER MONITORING SYSTEMS**
[54] **COURBES DE TOLERANCE DYNAMIQUES A L~UTILISATION DES SYSTEMES DE SURVEILLANCE DE LA PUISSANCE**
[72] BICKEL, JON A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (16/137,603) 2018-09-21

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[13] A1
[51] **Int.Cl. B65D 81/32 (2006.01) B65D 3/24 (2006.01) B65D 21/02 (2006.01) B65D 51/28 (2006.01)**
[25] EN
[54] **MULTI-CHAMBER CONTAINER**
[54] **CONTENEUR A CHAMBRES MULTIPLES**
[72] LUBBE, PIETER W., CA
[72] SHARMA, SUMIT, CA
[72] GILBUENA, HILARIO, CA
[71] AMHIL ENTERPRISES, CA
[22] 2019-06-27
[41] 2020-01-09
[30] US (62/695,321) 2018-07-09

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[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01) C01B 32/50 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES DE GESTION D~EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] MUNRO, MICHAEL A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (62/770,730) 2018-11-21
[30] US (62/770,732) 2018-11-21
[30] US (62/770,737) 2018-11-21
[30] US (62/770,741) 2018-11-21
[30] US (16/233,214) 2018-12-27

[21] **3,048,418**
[13] A1
[51] **Int.Cl. C25B 15/08 (2006.01) A61K 33/00 (2006.01) C25B 1/04 (2006.01) C25B 9/10 (2006.01)**
[25] EN
[54] **ION-EXCHANGE MEMBRANE ELECTROLYSIS DEVICE**
[54] **APPAREIL D~ELECTROLYSE A MEMBRANE ECHANGEUSE D~IONS**
[72] LIN, HSIN-YUNG, CN
[71] LIN, HSIN-YUNG, CN
[22] 2019-07-03
[41] 2020-01-10
[30] CN (201810752166.7) 2018-07-10

[21] **3,048,440**
[13] A1
[51] **Int.Cl. G01L 3/10 (2006.01) G01B 7/16 (2006.01)**
[25] EN
[54] **PIEZO TORQUE TUBE STRAIN GAUGE WITH PIEZO GENERATOR**
[54] **JAUGE DE CONTRAINTE DE TUBE DE TORSION AYANT UNE COUCHE ET UN GENERATEUR PIEZOELECTRIQUE**
[72] ANKEY, DARRELL E., US
[72] KLUGA, JASON MICHAEL, US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2019-07-02
[41] 2020-01-05
[30] US (16/027,755) 2018-07-05

[21] **3,048,444**
[13] A1
[51] **Int.Cl. B64F 5/10 (2017.01) B64C 3/18 (2006.01) B64C 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING THE TRAILING EDGE RIBS AND THE BEARING RIBS OF TRAILING EDGES OF AIRCRAFT LIFTING SURFACES**
[54] **METHODE DE FABRICATION DES NERVURES DES BORDS DE FUITE ET DES NERVURES DE RELEVEMENT DES BORDS DE FUITE DES SURFACES DE LEVAGE D~UN AERONEF**
[72] HONORATO RUIZ, FRANCISCO JAVIER, ES
[72] VAZQUEZ CASTRO, JESUS JAVIER, ES
[72] GUINALDO FERNANDEZ, ENRIQUE, ES
[72] GARCIA NIETO, CARLOS, ES
[72] VELEZ DE MENDIZABAL ALONSO, IKER, ES
[71] AIRBUS OPERATIONS S.L., ES
[22] 2019-07-03
[41] 2020-01-06
[30] EP (18382506.6) 2018-07-06

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[13] A1
[51] **Int.Cl. G06Q 50/18 (2012.01) G06K 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR PROVIDING AUTOMATED NOTARIZATION**
[54] **SYSTEMES ET METHODE DE NOTARISATION AUTOMATISEE**
[72] BENKREIRA, ABDELKADER, US
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-02
[41] 2020-01-09
[30] US (16/030,362) 2018-07-09

[21] **3,048,458**
[13] A1
[51] **Int.Cl. A46B 9/02 (2006.01) A46B 5/00 (2006.01)**
[25] EN
[54] **MULTI-LOBATED PAINT BRUSH AND SLEEVE ASSEMBLY**
[54] **ENSEMBLE D~UN PINCEAU A POILS MULTIPLES ET D~UN MANCHON**
[72] PEACE, ANDREW EVAN, US
[71] STINGER BRUSH HOLDINGS, LLC, US
[22] 2019-07-03
[41] 2020-01-06
[30] US (16/029,533) 2018-07-06

[21] **3,048,461**
[13] A1
[51] **Int.Cl. G01R 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CHARACTERIZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES DE CARACTERISATION D~EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] DUDLEY, AARON M., US
[72] WALL, THERESA K., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (62/770,730) 2018-11-21
[30] US (62/770,732) 2018-11-21
[30] US (62/770,737) 2018-11-21
[30] US (62/770,741) 2018-11-21
[30] US (16/233,220) 2018-12-27

[21] **3,048,476**
[13] A1
[51] **Int.Cl. G01R 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES D~ANALYSE D~EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] MENZEL, JOHANNES, FR
[72] BICKEL, JON A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (62/770,730) 2018-11-21
[30] US (62/770,732) 2018-11-21
[30] US (62/770,737) 2018-11-21
[30] US (62/770,741) 2018-11-21
[30] US (62/785,424) 2018-12-27
[30] US (16/252,112) 2019-01-18

[21] **3,048,480**
[13] A1
[51] **Int.Cl. G01R 21/00 (2006.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SUPPLEMENTAL TECHNIQUES FOR CHARACTERIZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **AUTRES METHODES DE CARACTERISATION D~EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] WALL, THERESA K., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62/694,791) 2018-07-06
[30] US (62/770,730) 2018-11-21
[30] US (62/770,732) 2018-11-21
[30] US (62/770,737) 2018-11-21
[30] US (62/770,741) 2018-11-21
[30] US (16/233,241) 2018-12-27

[21] **3,048,517**
[13] A1
[51] **Int.Cl. H02B 7/06 (2006.01)**
[25] EN
[54] **ROOF SUPPORT SYSTEM FOR AN ELECTRICAL DISTRIBUTION SYSTEM ENCLOSURE**
[54] **SYSTEME DE SOUTIEN AU PLAFOND D~UNE ENCEINTE DE SYSTEME DE DISTRIBUTION ELECTRIQUE**
[72] PRUITT, ALVA GLEN, US
[72] DRIVER, KENNETH J., US
[72] DIXON, BOBBY D., US
[72] DERRICKSON, JASON T., US
[71] THE DURHAM CO., US
[22] 2019-07-02
[41] 2020-01-06
[30] US (62694699) 2018-07-06
[30] US (16428863) 2019-05-31

[21] **3,048,529**
[13] A1
[51] **Int.Cl. B05C 11/08 (2006.01) H01L 21/67 (2006.01)**
[25] EN
[54] **OPTIMAL EXPOSURE OF A BOTTOM SURFACE OF A SUBSTRATE MATERIAL AND/OR EDGES THEREOF FOR CLEANING IN A SPIN COATING DEVICE**
[54] **EXPOSITION OPTIMALE D~UNE SURFACE INFERIEURE D~UN SUBSTRAT OU DE SES BORDS POUR LE NETTOYAGE DANS UN APPAREIL DE REVETEMENT PAR CENTRIFUGATION**
[72] TRUONG, TRANH, VN
[72] DANG, TRI, VN
[72] TRAN, TU, VN
[72] NGUYEN, HIEU CHARLIE, US
[71] C&D SEMICONDUCTOR SERVICES, INC., US
[22] 2019-07-02
[41] 2020-01-09
[30] US (62695826) 2018-07-09

[21] **3,048,531**
[13] A1
[51] **Int.Cl. E02F 5/32 (2006.01)**
[25] EN
[54] **RETRIEVAL ARRANGEMENT FOR A RIPPER OF A MACHINE**
[54] **DISPOSITIF DE RECUPERATION D~UNE DEFONCEUSE D~UNE MACHINE**
[72] SCHOLZ, KELLY ANN, US
[72] GERBER, BYRON LYNN, US
[71] CATERPILLAR INC., US
[22] 2019-07-03
[41] 2020-01-06
[30] US (16/028561) 2018-07-06

[21] **3,048,533**
[13] A1
[51] **Int.Cl. E02F 5/32 (2006.01) A01B 35/20 (2006.01) B23P 15/00 (2006.01)**
[25] EN
[54] **RIPPER ASSEMBLY AND METHOD FOR MANUFACTURING THE RIPPER ASSEMBLY**
[54] **ASSEMBLAGE DE DEFONCEUSE ET PROCEDE DE FABRICATION**
[72] GERBER, BYRON LYNN, US
[72] SCHLOZ, KELLY ANN, US
[71] CATERPILLAR INC., US
[22] 2019-07-03
[41] 2020-01-06
[30] US (16/028581) 2018-07-06

[21] **3,048,558**
[13] A1
[51] **Int.Cl. G01S 17/08 (2006.01) G01S 17/89 (2006.01)**
[25] EN
[54] **DISTANCE MEASURING DEVICE, DISTANCE MEASURING METHOD, AND THREE-DIMENSIONAL SHAPE MEASURING APPARATUS**
[54] **APPAREIL ET METHODE DE MESURE DE LA DISTANCE, ET APPAREIL DE MESURE D~UNE FORME TRIDIMENSIONNELLE**
[72] MARUNO, KENJI, JP
[72] WATANABE, MASAHIRO, JP
[72] URANO, YUTA, JP
[72] HARIYAMA, TATSUO, JP
[72] TANIGUCHI, ATSUSHI, JP
[71] HITACHI, LTD., JP
[22] 2019-07-04
[41] 2020-01-11
[30] JP (2018-131707) 2018-07-11

[21] **3,048,559**
[13] A1
[51] **Int.Cl. A23N 15/00 (2006.01) A23N 15/04 (2006.01)**
[25] FR
[54] **PROCESS AND DEVICE FOR CORING A HEAD OF LETTUCE AND INSTALLATION FOR INDUSTRIAL SHREDDING OF A HEAD OF LETTUCE**
[54] **PROCEDE ET DISPOSITIF D'ETROGNAGE D'UNE TETE DE SALADE ET INSTALLATION D'EPLUCHAGE INDUSTRIEL D'UNE TETE DE SALADE**
[72] SAVARY, LAURENT, FR
[71] FLORETTE HOLDING, FR
[22] 2019-07-03
[41] 2020-01-11
[30] FR (18 56 363) 2018-07-11

[21] **3,048,565**
[13] A1
[51] **Int.Cl. A61L 27/30 (2006.01) A61C 8/00 (2006.01) A61K 6/04 (2006.01) C25D 3/46 (2006.01) C25D 7/00 (2006.01)**
[25] EN
[54] **METHODS OF DEPOSITING SILVER NANOSTRUCTURES ON TO IMPLANT SURFACES**
[54] **METHODES POUR DEPOSER DES NANOSTRUCTURES D~ARGENT SUR DES SURFACES D~UN IMPLANT**
[72] FU, CONG, US
[72] AJAMI, ELNAZ, US
[72] WEN, HAI BO, US
[72] SANCHEZ, OLGA S., US
[71] BIOMET 3I, LLC, US
[22] 2019-07-03
[41] 2020-01-06
[30] US (62/694,600) 2018-07-06

[21] **3,048,572**
[13] A1
[51] **Int.Cl. F15B 13/042 (2006.01) B64C 25/16 (2006.01) B64C 25/22 (2006.01) F15C 3/00 (2006.01)**
[25] FR
[54] **HYDRAULIC CIRCUIT SUPPLYING AN ACTUATOR, NOTABLY USED TO MANOEUVER AN AIRCRAFT COMPARTMENT DOOR**
[54] **CIRCUIT HYDRAULIQUE D'ALIMENTATION D'UN VERIN, NOTAMMENT UTILISE POUR MANOEUVRER UNE PORTE DE SOUTE D'AERONEF**
[72] JUBERT, XAVIER, FR
[72] ERNIS, SEBASTIEN, FR
[71] SAFRAN LANDING SYSTEMS, FR
[22] 2019-07-03
[41] 2020-01-09
[30] FR (18 56297) 2018-07-09

[21] **3,048,577**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/02 (2018.01) G06F 21/31 (2013.01) H04W 4/021 (2018.01) G06F 16/27 (2019.01) G06Q 30/00 (2012.01) H04L 9/32 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING ENHANCED DISTRIBUTED ONLINE REGISTRY**
[54] **SYSTEME ET METHODE DE GENERATION D~UN REGISTRE EN LIGNE AMELIORE DISTRIBUE**
[72] SUBRAMANIAN, PONNAZHAKAN, US
[72] CHIKKAVEERAPPA, SATISH, US
[72] MATHEWS, LIJU, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-04
[41] 2020-01-09
[30] US (16/030,048) 2018-07-09

[21] **3,048,579**
[13] A1
[51] **Int.Cl. E21B 43/241 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SOLVENT PRODUCTION CONTROL METHOD IN SOLVENT-STEAM PROCESSES**
[54] **METHODE DE CONTROLE DE LA PRODUCTION D~UN SOLVANT DANS LES PROCEDES SOLVANT-VAPEUR**
[72] BEN-ZVI, AMOS, CA
[72] KOCHHAR, ISHAN DEEP S., CA
[72] FILSTEIN, ALEXANDER ELI, CA
[72] OLSON, JEFFREY, CA
[72] AVILA, NATASHA POUNDER, CA
[71] CENOVUS ENERGY INC., CA
[22] 2019-07-04
[41] 2020-01-05
[30] US (62/694,283) 2018-07-05

[21] **3,048,580**
[13] A1
[51] **Int.Cl. G01N 33/18 (2006.01) G16Z 99/00 (2019.01) A23F 3/00 (2006.01) A23L 2/00 (2006.01) C12G 1/00 (2019.01) C12G 3/04 (2019.01) C02F 1/00 (2006.01)**
[25] EN
[54] **METHOD OF ASSESSING A PLURALITY OF WATER RECIPES AND METHOD OF SELECTING A WATER RECIPE**
[54] **METHODE D~EVALUATION D~UNE PLURALITE DE RECETTES D~EAU ET METHODE DE SELECTION D~UNE RECETTE D~EAU**
[72] BISSEN, MONIQUE, DE
[72] SCHUCKER, JOSEF, CH
[71] RIPRUP COMPANY S.A., GB
[22] 2019-07-04
[41] 2020-01-05
[30] EP (EP18182003.6) 2018-07-05

[21] **3,048,687**
[13] A1
[51] **Int.Cl. H05B 3/12 (2006.01) H05K 3/12 (2006.01)**
[25] EN
[54] **MULTI POLYMER POSITIVE TEMPERATURE COEFFICIENT HEATER**
[54] **ELEMENT CHAUFFANT A COEFFICIENT DE TEMPERATURE POSITIF A MULTIPLES POLYMERES**
[72] CHING, NATHANIEL, US
[72] HU, JIN, US
[72] SLANE, CASEY, US
[72] BOTURA, GALDEMIR CEZAR, US
[71] GOODRICH CORPORATION, US
[22] 2019-07-04
[41] 2020-01-11
[30] US (16/032,793) 2018-07-11

[21] **3,048,689**
[13] A1
[51] **Int.Cl. G01C 21/20 (2006.01) B64D 45/00 (2006.01) B64D 47/00 (2006.01)**
[25] FR
[54] **AIRCRAFT MISSION CALCULATION SYSTEM THROUGH COMBINATION OF ALGORITHMS AND ASSOCIATED PROCESS**
[54] **SYSTEME DE CALCUL DE MISSION D'UN AERONEF PAR COMBINAISON D'ALGORITHMES ET PROCEDE ASSOCIE**
[72] GRIMALD, CYRILLE, FR
[72] URIEN, BENOIT, FR
[71] DASSAULT AVIATION, FR
[22] 2019-07-04
[41] 2020-01-11
[30] FR (18 00 734) 2018-07-11

[21] **3,048,693**
[13] A1
[51] **Int.Cl. B64D 15/00 (2006.01) B64C 21/06 (2006.01) F02C 7/047 (2006.01)**
[25] EN
[54] **ICE PROTECTION SYSTEM FOR A COMPONENT OF AN AERODYNAMIC SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LA GLACE POUR UNE COMPOSANTE D~UN SYSTEME AERODYNAMIQUE**
[72] SELVARAJ, SUGUMARAN, IN
[72] THANGAVEL, SATISH, IN
[71] GOODRICH CORPORATION, US
[22] 2019-07-04
[41] 2020-01-11
[30] IN (201811025914) 2018-07-11

[21] **3,048,695**
[13] A1
[51] **Int.Cl. B60D 1/60 (2006.01)**
[25] EN
[54] **BALL JOINT PROTECTION COVER FOR USE ON HITCH MOUNTS**
[54] **COUVERCLE DE PROTECTION D~UN JOINT A ROTULE A UTILISER SUR DES ATTACHES DE REMORQUE**
[72] TAYLOR, CURTIS, US
[72] HANSON, MATTHEW, US
[71] PROCESS4, INC., US
[22] 2019-07-05
[41] 2020-01-11
[30] US (62/696,555) 2018-07-11

[21] **3,048,698**
[13] A1
[51] **Int.Cl. A01F 15/07 (2006.01) A01F 15/08 (2006.01) G01S 15/04 (2006.01)**
[25] EN
[54] **ROUNDBALER AND DETECTION METHOD**
[54] **PRESSE A BALLES CYLINDRIQUES ET METHODE DE DETECTION**
[72] LEBEAU, JONATHAN, DE
[72] GRESSET, PASCAL, DE
[72] PERROTIN, FREDERIC, DE
[71] DEERE & COMPANY, US
[22] 2019-07-05
[41] 2020-01-06
[30] DE (10 2018 211 228.2) 2018-07-06
[30] EP (19168593.2) 2019-04-11

[21] **3,048,701**
[13] A1
[51] **Int.Cl. E05C 1/14 (2006.01) E05C 3/24 (2006.01)**
[25] EN
[54] **LATCHBOLT DAMPING MODULE**
[54] **MODULE D~AMORTISSEMENT D~UN BOULON DE VERROUILLAGE**
[72] MANI, VIJAYAKUMAR, IN
[72] ARLINGHAUS, PAUL RAYMOND, US
[72] MOHAMMED, SAAGAR, IN
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2019-07-04
[41] 2020-01-05
[30] US (16/027,529) 2018-07-05

[21] **3,048,705**
[13] A1
[51] **Int.Cl. G01J 3/46 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **INSTANTANEOUS MULTI-WAVELENGTH FLUORESCENCE DETECTION INSTRUMENT AND DETECTION METHOD THEREOF**
[54] **INSTRUMENT ET METHODE DE DETECTION INSTANTANEE DE FLUORESCENCE A LONGUEURS D~ONDE MULTIPLES**
[72] WANG, ZHICAI, CN
[72] FU, WENBO, CN
[72] ZHANG, YILI, CN
[71] GUANGZHOU LABSIM BIOTECH CO., LTD., CN
[22] 2019-07-05
[41] 2020-01-06
[30] CN (201810738906.1) 2018-07-06

[21] **3,048,708**
[13] A1
[51] **Int.Cl. A43B 7/14 (2006.01) A43B 5/00 (2006.01)**
[25] EN
[54] **BOOT WITH INCREASED STABILITY**
[54] **BOTTE A STABILITE ACCRUE**
[72] LAM, HUGO EUGENIO, CA
[71] W-D APPAREL COMPANY, LLC, US
[22] 2019-07-04
[41] 2020-01-05
[30] US (16/027,802) 2018-07-05

[21] **3,048,710**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G07F 19/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE SECURE ENTRY AND AUTHENTICATION OF CONFIDENTIAL ACCESS CODES FOR ACCESS TO A USER DEVICE**
[54] **SYSTEMES ET METHODES DE SAISIE ET D~AUTHENTIFICATION SECURISEES DE CODES D~ACCES CONFIDENTIELS A L~APPAREIL D~UN UTILISATEUR**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-05
[41] 2020-01-09
[30] US (16/030027) 2018-07-09

[21] **3,048,714**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G07F 19/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTHENTICATING A USER AT A PUBLIC TERMINAL**
[54] **SYSTEMES ET METHODES D~AUTHENTIFICATION D~UN UTILISATEUR A UNE BORNE PUBLIQUE**
[72] GOODSITT, JEREMY, US
[72] TAGHI ABAD, FARDIN ABDI, US
[72] WALTERS, AUSTIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-05
[41] 2020-01-09
[30] US (16/030814) 2018-07-09

[21] **3,048,717**
[13] A1
[51] **Int.Cl. E21B 47/09 (2012.01) E21B 23/14 (2006.01) E21B 33/068 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **TOOL POSITION DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE LA POSITION D~UN OUTIL**
[72] CHEN, YANG, US
[72] DEIBLE, CHARLES, US
[72] RAY, COREY, US
[71] CAMERON TECHNOLOGIES LIMITED, NL
[22] 2019-07-05
[41] 2020-01-06
[30] US (62/694887) 2018-07-06

[21] **3,048,718**
[13] A1
[51] **Int.Cl. B65G 45/22 (2006.01) B05B 14/20 (2018.01) B65G 45/10 (2006.01) B65G 45/24 (2006.01) B65G 45/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CLEANING AND RECOVERING PAINT IN PAINTING PLANTS**
[54] **APPAREIL ET METHODE POUR NETTOYER ET RECUPERER DE LA PEINTURE DANS LES USINES DE PEINTURE**
[72] GIOVANNINI, CRISTIAN, IT
[72] PUNGETTI, CRISTIAN, IT
[72] FRANZONI, LUIGI, IT
[71] CEFLA SOCIETA COOPERATIVA, IT
[22] 2019-07-05
[41] 2020-01-09
[30] IT (102018000007024) 2018-07-09

[21] **3,048,719**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPERATING A SERVICE TO MONITOR AND ADJUST A BOOKED FLIGHT**
[54] **SYSTEMES ET METHODES POUR L~EXPLOITATION D~UN SERVICE DE SURVEILLANCE ET DE MODIFICATION D~UN VOL RESERVE**
[72] EDWARDS, JOSHUA, US
[72] NORMAN, CARRIE, US
[72] BENKREIRA, ABDELKADIR M., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-05
[41] 2020-01-11
[30] US (16/033164) 2018-07-11

[21] **3,048,720**
[13] A1
[51] **Int.Cl. G01J 3/46 (2006.01) G01J 3/51 (2006.01)**
[25] EN
[54] **OPTICAL MODULE FOR MULTI-WAVELENGTH FLUORESCENCE DETECTION**
[54] **MODULE OPTIQUE POUR LA DETECTION DE FLUORESCENCE A LONGUEURS D~ONDE MULTIPLES**
[72] WANG, ZHICAI, CN
[72] FU, WENBO, CN
[72] ZHANG, YILI, CN
[71] GUANGZHOU LABSIM BIOTECH CO., LTD., CN
[22] 2019-07-05
[41] 2020-01-06
[30] CN (201810738900.4) 2018-07-06

[21] **3,048,723**
[13] A1
[51] **Int.Cl. E01B 5/02 (2006.01) C21D 8/00 (2006.01) C21D 9/04 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/18 (2006.01)**
[25] EN
[54] **TRACK PART MADE OF A HYPEREUTECTOID STEEL**
[54] **PARTIE DE VOIE FAITE D~UN ACIER HYPEREUTECTOIDE**
[72] GORIUPP, JURGEN, AT
[72] KUSS, MARIO, AT
[71] VOESTALPINE SCHIENEN GMBH, AT
[22] 2019-07-05
[41] 2020-01-10
[30] AT (A 201/2018) 2018-07-10

[21] **3,048,724**
[13] A1
[51] **Int.Cl. F02C 7/20 (2006.01) F16H 57/025 (2012.01) B64D 27/10 (2006.01) B64D 27/26 (2006.01) F01D 9/02 (2006.01) F01D 25/28 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **A GEARED TURBOFAN GAS TURBINE ENGINE MOUNTING ARRANGEMENT**
[54] **DISPOSITIF DE FIXATION D~UN MOTEUR A TURBINE A GAZ A ENGRENAGE**
[72] SWIFT, ANDREW, GB
[71] ROLLS-ROYCE PLC, GB
[22] 2019-07-05
[41] 2020-01-10
[30] GB (1811281.3) 2018-07-10

[21] **3,048,755**
[13] A1
[51] **Int.Cl. E04F 13/075 (2006.01) E04F 13/00 (2006.01)**
[25] EN
[54] **FOAM BACKED SIDING PANEL**
[54] **PANNEAU DE REVETEMENT A DOUBLAGE MOUSSE**
[72] WARREN, JEREMY EARL, US
[72] PARKS, DANNY R., US
[72] BEASLEY, BRYAN KEITH, US
[72] HAHN, KALEB, US
[71] PLY GEM INDUSTRIES, INC., US
[22] 2019-07-08
[41] 2020-01-06
[30] US (62/694,780) 2018-07-06

[21] **3,048,775**
[13] A1
[51] **Int.Cl. G07F 19/00 (2006.01) G06F 21/32 (2013.01)**
[25] EN
[54] **ATM WITH BIOMETRIC SECURITY**
[54] **GUICHET AUTOMATIQUE AVEC SECURITE BIOMETRIQUE**
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-08
[41] 2020-01-09
[30] US (16/029,792) 2018-07-09
[30] US (16/380,078) 2019-04-10

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[13] A1
[51] **Int.Cl. A63D 15/00 (2006.01)**
[25] EN
[54] **POOL TABLE HAVING TWO POCKETS AND POOL TABLE KIT**
[54] **TABLE DE BILLARD AYANT DEUX POCHES ET ENSEMBLE DE TABLE DE BILLARD**
[72] BARON, MICHAEL, US
[71] BARON, MICHAEL, US
[22] 2019-07-08
[41] 2020-01-09
[30] US (62/695,445) 2018-07-09

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[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEM FOR INGREDIENT BASED PAIRING RECOMMENDATIONS**
[54] **SYSTEME DE RECOMMANDATION DE PAIRAGE AXE SUR LES INGREDIENTS**
[72] KAO, TERENCE, CA
[72] COMBET-BLANC, JEROME, CA
[71] AYATANA TECHNOLOGIES INC., CA
[22] 2019-07-05
[41] 2020-01-06
[30] US (62/694,618) 2018-07-06
[30] US (62/755,712) 2018-11-05

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[13] A1
[51] **Int.Cl. F23K 5/02 (2006.01)**
[25] EN
[54] **FUEL CONNECTION UNIT**
[54] **UNITE DE RACCORDEMENT DE COMBUSTIBLE**
[72] HAEFNER, MICHAEL, DE
[72] JENSEN, HANS, DE
[71] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG, DE
[22] 2019-07-08
[41] 2020-01-09
[30] DE (102018116523.4) 2018-07-09

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[13] A1
[51] **Int.Cl. F16K 31/06 (2006.01) F16K 31/11 (2006.01)**
[25] EN
[54] **ELECTRONIC ACTUATOR FOR ANHYDROUS AMMONIA EMERGENCY SHUT OFF VALVES**
[54] **ACTIONNEUR ELECTRONIQUE POUR ROBINET D~ARRET D~URGENCE DU DEBIT D~AMMONIAC**
[72] SANDS, WILLIAM HENRY, III, US
[72] LYNES, WILLIAM HENRY, JR., US
[72] WILKERSON, BRENTLY CRAIG, US
[72] HODGES, PATRICK LEE, US
[72] WASHINGTON, WILLIAM BROWNING, IV, US
[72] POTTS, JACK JAY, US
[71] SQUIBB TAYLOR, INC., US
[22] 2019-07-09
[41] 2020-01-09
[30] US (62/695,594) 2018-07-09
[30] US (16/243,076) 2019-01-08

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[13] A1
[51] **Int.Cl. G06Q 20/14 (2012.01) G06Q 30/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME, DISTRIBUTED PROCESSING OF GROUP BILL PAYMENTS**
[54] **SYSTEMES ET METHODES DE TRAITEMENT REPARTI EN TEMPS REEL DE PAIEMENTS DE FACTURE GROUPES**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-09
[41] 2020-01-09
[30] US (16/030047) 2018-07-09

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[13] A1
[51] **Int.Cl. B42D 25/36 (2014.01) B42D 25/20 (2014.01) G06K 19/067 (2006.01) G09C 5/00 (2006.01)**
[25] EN
[54] **CREDIT CARD WITH CHROMOGENIC FEATURES**
[54] **CARTE DE CREDIT A CARACTERISTIQUES CHROMOGENES**
[72] MOSSABA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-09
[41] 2020-01-10
[30] US (16/031053) 2018-07-10

[21] **3,049,042**
[13] A1
[51] **Int.Cl. G06F 21/36 (2013.01) H04W 12/06 (2009.01) G06Q 20/40 (2012.01) H04W 4/021 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTHENTICATING TRANSACTIONS FROM A MOBILE DEVICE**
[54] **SYSTEME ET METHODE D~AUTHENTIFICATION DE TRANSACTIONS EFFECTUEES A PARTIE D~UN APPAREIL MOBILE**
[72] PHAM, VINCENT, US
[72] TAYLOR, KENNETH, US
[72] WALTERS, AUSTIN, US
[72] TRUONG, ANH, US
[72] GOODSITT, JEREMY, US
[72] ABAD, FARDIN ABDI TAGHI, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-09
[41] 2020-01-11
[30] US (16/032,303) 2018-07-11

[21] **3,049,049**
[13] A1
[51] **Int.Cl. F16K 1/42 (2006.01) F27D 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A PLUG VALVE**
[54] **SYSTEMES ET METHODES D~UN ROBINET A TOURNANT CONIQUE**
[72] WEBER, RYAN, US
[72] ROBISON, JEFFREY, US
[72] ALLAN, BRAD, US
[71] CALDERA ENGINEERING, LC, US
[22] 2019-07-10
[41] 2020-01-10
[30] US (62/696,192) 2018-07-10
[30] US (16/129,603) 2018-09-12

[21] **3,049,051**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06F 17/27 (2006.01) G06K 9/62 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **RESOLVING ABSTRACT ANAPHORIC REFERENCES IN CONVERSATIONAL SYSTEMS USING HIERARCHICALLY STACKED NEURAL NETWORKS**
[54] **RESOLUTION DE REFERENCES ANAPHORIQUES ABSTRAITES DANS DES SYSTEMES DE CONVERSATION AU MOYEN DE RESEAUX NEURONAUX EMPILES HIERARCHIQUEMENT**
[72] AGARWAL, PUNEET, IN
[72] KHURANA, PRERNA, IN
[72] SHROFF, GAUTAM, IN
[72] VIG, LOVEKESH, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
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[41] 2020-01-10
[30] IN (201821025758) 2018-07-10

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[54] **SURVEILLANCE CENTRALISEE D~ESPACES CONFINES**
[72] VANCRAYBEX, GUNTER JANO EMIEL, BE
[72] RAKIC, DUSAN, CH
[72] ST. GERMAIN, JEREMY DANIEL, US
[72] JOY, BINU OOMMEN, US
[71] TOTAL SAFETY U.S., INC., US
[22] 2019-07-10
[41] 2020-01-11
[30] US (62/696,695) 2018-07-11

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[54] **RUST-RETARDANT SNAP CAP**
[54] **BOUCHON DE TIR A VIDE DE PROTECTION CONTRE LA ROUILLE**
[72] TAYLOR, CURTIS, US
[72] HANSON, MATTHEW, US
[71] PROCESS4, INC., US
[22] 2019-07-09
[41] 2020-01-11
[30] US (62/696,567) 2018-07-11
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[54] **POOLSIDE BURNER**
[54] **BRULEUR DE PISCINE**
[72] MOORE, TAYLOR JAMES, US
[72] PRATT, DYLAN GARRETT, US
[71] PEBBLE TECHNOLOGY, INC., US
[22] 2019-07-11
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[25] EN
[54] **SYSTEMS FOR RECESSING SUBFLOOR STRUCTURES**
[54] **SYSTEMES D~ABAISSEMENT DE STRUCTURES DE PLANCHER BRUT**
[72] KELLY, LYLE JAMES, US
[72] PRICE, JOSHUA MICHAEL, US
[72] DAFFER, JOHN CHRISTOPHER, US
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
[22] 2019-07-11
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[54] **EXTERNAL DATA MANAGEMENT IN A REMOTE NETWORK MANAGEMENT PLATFORM**
[54] **GESTION DE DONNEES EXTERNES SUR UNE PLATEFORME DE GESTION DE RESEAU ELOIGNE**
[72] BARRON-KRAUS, KYLE JAMES, US
[72] KRASNOW, GREGORY ALLEN, US
[72] BELL, DOUGLAS ANDREW, US
[71] SERVICENOW, INC., US
[22] 2019-07-11
[41] 2020-01-11
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[54] **ENCAPSULATED SEED**
[54] **GRAINE ENCAPSULEE**
[72] KRYSIAK, MICHAEL, US
[71] KRYSIAK, MICHAEL, US
[22] 2019-07-11
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[51] **Int.Cl. G06Q 20/34 (2012.01) B65D 79/00 (2006.01)**
[25] EN
[54] **AUTOMATICALLY ACTIVATING A TRANSACTION CARD BY DETECTING A CHANGE ASSOCIATED WITH A PACKAGE THAT CARRIES THE TRANSACTION CARD**
[54] **ACTIVATION AUTOMATIQUE D~UNE CARTE DE TRANSACTION PAR DETECTION D~UN CHANGEMENT LIE A UN PAQUET QUI CONTIENT LA CARTE DE TRANSACTION**
[72] BENKREIRA, ABDELKADAR M'HAMED, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
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[51] **Int.Cl. B64C 11/38 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FEATHERING AN AIRCRAFT PROPELLER**
[54] **SYSTEME ET METHODE DE MISE EN DRAPEAU D~UNE HELICE D~AERONEF**
[72] CHAHAL, JASRAJ, CA
[72] LISIO, CARMINE, CA
[72] MCGRATH, DARRAGH, CA
[72] ZINGARO, GIANCARLO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **SYSTEM AND METHOD FOR FEATHERING AN AIRCRAFT PROPELLER**
[54] **SYSTEME ET METHODE DE MISE EN DRAPEAU D~UNE HELICE D~AERONEF**
[72] CHAHAL, JASRAJ, CA
[72] LISIO, CARMINE, CA
[72] JARVO, JIM R., CA
[72] MCGRATH, DARRAGH, CA
[72] ZINGARO, GIANCARLO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[51] **Int.Cl. G06T 7/00 (2017.01) G06K 9/62 (2006.01) G06T 1/40 (2006.01)**
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[54] **AUTOMATED LABELING OF FEATURES IN VIDEO FRAMES**
[54] **ETIQUETAGE AUTOMATISE DES CARACTERISTIQUES DANS LES IMAGES D~UNE VIDEO**
[72] ROBERT, ERIC, CA
[72] BEJEAU, JEAN-SEBASTIEN, CA
[72] TAZI, SAAD, CA
[71] ELEMENT AI INC., CA
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[41] 2020-01-10
[30] US (62/695,894) 2018-07-10

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[54] **AUTOMATICALLY ASSOCIATING IMAGES WITH OTHER IMAGES OF THE SAME LOCATIONS**
[54] **ASSOCIATION AUTOMATIQUE D~IMAGES A D~AUTRES IMAGES DE MEMES EMPLACEMENTS**
[72] BEJEAU, JEAN-SEBASTIEN, CA
[72] ROBERT, ERIC, CA
[72] MARINIER, JOSEPH, CA
[71] ELEMENT AI INC., CA
[22] 2019-07-10
[41] 2020-01-10
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[54] **METHOD FOR REDUCING THE OXYGENATE CONTENT OF A HYDROCARBON PROCESS STREAM TREATED WITH OR CONTAINING AN OXYGENATE**
[54] **METHODE DE REDUCTION DU CONTENU DE COMPOSE OXYGENE D~UN FLOT DE TRAITEMENT D~HYDROCARBURE TRAITE AVEC OU CONTENANT UN COMPOSE OXYGENE**
[72] TURNER, WILLIAM J., US
[72] CALLAWAY, MICHAEL D., US
[71] H2SZERO, LLC, US
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[54] **FLOW-TYPE CARBONIZATION DEVICE WITH IMPROVED DISINFECTION PROPERTIES AND BEVERAGE DISPENSER HAVING SUCH DEVICE**
[54] **APPAREIL DE CARBONISATION A JET AYANT DES PROPRIETES DESINFECTANTES AMELIOREES ET UN DISTRIBUTEUR DE BREUVAGES DOTE D~UN TEL APPAREIL**
[72] BISSEN, MONIQUE, DE
[72] SCHUCKER, JOSEF, DE
[71] RIPRUP COMPANY S.A., GB
[22] 2019-07-09
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[30] EP (EP18182943.3) 2018-07-11
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[54] **AN INTEGRATED THERMAL PROCESS FOR HEAVY OIL AND GAS TO LIQUIDS CONVERSION**
[54] **TRAITEMENT THERMIQUE INTEGRE POUR LA CONVERSION DU PETROLE ET DU GAZ LOURD AUX LIQUIDES**
[72] BENHAM, KELLY, CA
[72] ARCHER, BERNARD MARK, CA
[72] BENHAM, NICHOLAS DANIEL, CA
[71] SUNCOR ENERGY INC., CA
[22] 2019-07-11
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[25] EN
[54] **SCANNABLE CHECK MANAGEMENT SERVICE**
[54] **SERVICE DE GESTION DE VA~RIFICATION DA~~UN CODE BALAYABLE**
[72] BENKREIRA, ABDELKADER, US
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
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[41] 2020-01-10
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[25] EN
[54] **METHOD OF DELIVERY OF DRY POLYMERIC MICROSPHERE POWDERS FOR PROTECTING CONCRETE FROM FREEZE-THAW DAMAGE**
[54] **MA~THODE DE LIVRAISON DE POUDRES DE MICROSPHA~RES POLYMA~RES SA~CHES DESTINA~ES A~ LA PROTECTION DU BA~TON CONTRE LES DOMMAGES DU GEL-DA~GEL**
[72] ATTIOGBE, EMMANUEL, US
[71] CEM INNOVATIONS, LLC, US
[22] 2019-10-28
[41] 2020-01-08
[30] US (16/589,016) 2019-09-30

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) H04L 9/00 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE SECURED ENTRY AND STORAGE OF SENSITIVE DATA**
[54] **SYSTA~MES ET MA~THODES DE SAISIE ET DE STOCKAGE SA~CURISA~S DE DONNA~ES DE NATURE DA~LICATE**
[72] EDWARDS, JOSHUA, US
[72] SHAH, SALIK, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-28
[41] 2020-01-09
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[51] **Int.Cl. B29C 64/153 (2017.01) B33Y 10/00 (2015.01)**
[25] EN
[54] **SHAPING METHOD FOR THREE-DIMENSIONAL SHAPED PRODUCT**
[54] **MA~THODE DE FORMAGE DA~~UN PRODUIT DE FORME TRIDIMENSIONNELLE**
[72] TOMITA, SEIICHI, JP
[71] MATSUURA MACHINERY CORPORATION, JP
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[54] **CORPS DE BENNE ET CAMION A BENNE**
[72] TANAKA, YUSHI, JP
[72] AOKI, KENGO, JP
[71] KOMATSU LTD., JP
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[25] EN
[54] **SYSTEMS AND METHODS OF CONCRETE APPARATUS WITH INCORPORATED LIFTER**
[54] **SYSTEMES ET METHODES D'UN DISPOSITIF POUR BETON ARME AVEC LEVIER INTEGRE**
[72] FORE, PAT, US
[71] PF3 GLOBAL, LLC, US
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[54] **TRAY FOR SOFT MATERIALS AND METHODS OF LOADING TRAYS WITH SOFT MATERIALS**
[54] **PLATEAU DESTINE A DES MATERIAUX MOUS ET METHODES DE CHARGEMENT DES MATERIAUX MOUS SUR LES PLATEAUX**
[72] GIRIMONTE, ALESSANDRO, CA
[71] MEATY MEATS INC., CA
[85] 2019-07-12
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[51] **Int.Cl. C07D 519/00 (2006.01) B01J 31/02 (2006.01) C07C 269/02 (2006.01) C07D 487/08 (2006.01) C08G 18/20 (2006.01)**
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[54] **CATALYSTS FOR PRODUCING POLYURETHANES**
[54] **CATALYSEURS DESTINES A LA PRODUCTION DE POLYURETHANES**
[72] KARAPETYAN, GNUNI, DE
[72] GODOY, JOSE, CH
[72] MELLE, ALBERTO GIOVANNI, CH
[71] MOMENTIVE PERFORMANCE MATERIALS GMBH, DE
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[54] **TRADITIONAL CHINESE MEDICINE HERB COMPOSITION, MAKING THEREOF, AND APPLICATION THEREOF**
[54] **COMPOSITION D'HERBE DE MEDECINE CHINOISE TRADITIONNELLE, SA FABRICATION ET SON APPLICATION**
[72] ZHOU, JUNJIE, CN
[72] YANG, LI, CN
[72] ZHAN, CHANGSEN, CN
[72] YU, JIEJING, CN
[72] SHEN, DANPING, CN
[72] DING, LILI, CN
[72] WANG, ZHENGTAO, CN
[71] SHANGHAI HUTCHISON PHARMACEUTICALS LIMITED, CN
[71] SHANGHAI UNIVERSITY OF TRADITIONAL CHINESE MEDICINE, CN
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[25] EN
[54] **METHOD AND SYSTEM FOR COMPREHENSIVE EVALUATION OF ORGANIC COMPOUND AND HEAVY METAL POLLUTION IN WATER BASED ON FISH ELECTROCARDIO**
[54] **METHODE ET SYSTEME D'EVALUATION COMPLETE DE COMPOSE ORGANIQUE ET DE POLLUTION AU METAL LOURD DANS L'EAU A PARTIR D'ELECTROCARDIOGRAMME DE POISSON**
[72] REN, ZONGMING, CN
[72] REN, BAICHUAN, CN
[72] QIAO, LINLIN, CN
[72] REN, BAIXIANG, CN
[72] LIU, YUEDAN, CN
[71] SHANDONG NORMAL UNIVERSITY, CN
[71] JINAN BIOSENSOR INSTRUMENT CO., LTD., CN
[71] SOUTH CHINA INSTITUTE OF ENVIRONMENTAL SCIENCES.MEP, CN
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[25] EN
[54] **METHOD FOR CONSTRUCTING NATURAL GAS LIQUEFACTION PLANT**
[54] **PROCEDE DE CONSTRUCTION D'UNE INSTALLATION DE LIQUEFACTION DE GAZ NATUREL**
[72] KOBAYASHI, KENICHI, JP
[72] KAJI, TAKESHI, JP
[72] YAMAGATA, MAKOTO, JP
[71] CHIYODA CORPORATION, JP
[85] 2019-10-15
[86] 2018-03-15 (PCT/JP2018/010266)
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[30] JP (2017-087195) 2017-04-26

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[25] EN
[54] **FOOT OPERATED TRACTION DEVICE AND METHOD OF USING SAME FOR MECHANICAL CERVICAL RIPENING**
[54] **APPAREIL DE DILATATION ACTIONNE PAR LE PIED ET METHODES D~UTILISATION POUR LA MATURATION MECANIQUE DU COL**
[72] CROTEAU, DIANE, CA
[71] VALDI MEDICAL INC., CA
[85] 2019-10-30
[86] 2019-06-28 (PCT/CA2019/050905)
[87] (3060773)
[30] GB (1811085.8) 2018-07-05

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[51] **Int.Cl. B01J 38/18 (2006.01) B01J 4/00 (2006.01) B01J 8/02 (2006.01) B01J 19/26 (2006.01) C07C 5/32 (2006.01) C07C 5/333 (2006.01)**
[25] EN
[54] **PROCESSES AND APPARATUS FOR INTRODUCING GAS INTO A REACTOR**
[54] **TRAITEMENTS ET APPAREIL D'INTRODUCTION DU GAZ DANS UN REACTEUR**
[72] MAURO DE FEO, DEMIAN, US
[72] CLANCY-JUNDT, BRIAN, US
[71] FLINT HILLS RESOURCES, LP, US
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[25] EN
[54] **SYNERGISTIC MIXTURES FOR FUNGAL CONTROL IN VEGETABLES**
[54] **MELANGES SYNERGIQUES POUR LA LUTTE CONTRE DES CHAMPIGNONS DANS DES LEGUMES**
[72] YAO, CHENGLIN, US
[72] MATHIESON, JOHN T., US
[71] DOW AGROSCIENCES LLC, US
[85] 2019-10-31
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[25] EN
[54] **SUBSTITUTED NITROGEN CONTAINING COMPOUNDS**
[54] **COMPOSES CONTENANT DE L'AZOTE SUBSTITUE**
[72] YADAV, NAVNATH DNYANOBA, IN
[72] BHIDE, RAJEEV S., US
[72] BORA, RAJESH ONKARDAS, IN
[72] GUNAGA, PRASHANTHA, IN
[72] PANDA, MANORANJAN, IN
[72] PRIESTLEY, ELDON SCOTT, US
[72] RICHTER, JEREMY, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[25] EN
[54] **DEVICE AND METHODS FOR PROVIDING A LOCK FOR PREVENTING UNWANTED ACCESS TO A LOCKED ENCLOSURE**
[54] **DISPOSITIF ET PROCEDES POUR FOURNIR UNE SERRURE EMPECHANT UN ACCES INDESIRABLE A UNE ENCEINTE VERROUILLEE**
[72] MILLER, J. CLAYTON, US
[72] HARVEY, MICHAEL P., US
[72] COOKE, DONALD P., JR., US
[71] LOCK II, L.L.C., US
[85] 2019-11-27
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[25] EN
[54] **METHODS FOR MANUFACTURING PRE-FABRICATED INSULATED FOAM WALL STRUCTURES WITH HIGH RACKING STRENGTH AND RELATED PRE-FABRICATED WALL STRUCTURES**
[54] **PROCEDES DE FABRICATION DE STRUCTURES DE PAROI EN MOUSSE ISOLEES PREFABRIQUEES PRESENTANT UNE RESISTANCE A LA CHARGE DE DECHIREMENT ELEVEE ET STRUCTURES DE PAROI PREFABRIQUEES ASSOCIEES**
[72] GILES, ERIC C., US
[72] LAMBACH, JAMES L., US
[72] BAILY, DAVID M., US
[71] COVESTRO LLC, US
[85] 2019-11-27
[86] 2018-06-12 (PCT/US2018/037044)
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[54] **ANTIMICROBIAL COMPOUNDS AND NANOSTRUCTURES**
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[72] MONTEIRO, MICHAEL, AU
[72] ARMSTRONG, JASON W., US
[71] THE BOEING COMPANY, US
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[54] **ARN GUIDES MODIFIES, COMPLEXES CRISPR-RIBONUCLEOPROTEINE ET LEURS PROCEDES D'UTILISATION**
[72] CARLSON-STEVERMER, JARED MATTHEW, US
[72] SAHA, KRISHANU, US
[72] ABDEEN, AMR ASHRAF, US
[72] KOHLENBERG, LUCILLE KATHERINE, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[54] **ANTICORPS MULTISPECIFIQUES CIBLANT GP120 ET CD3 DU VIH**
[72] CIHLAR, TOMAS, US
[72] GOLDSMITH, JOSHUA, US
[72] PACE, CRAIG S., US
[72] SLOAN, DEREK, US
[72] STEPHENSON, HEATHER, US
[72] THOMSEN, NATHAN D., US
[72] KUKOLJ, GEORGE, US
[72] REHDER, DOUG, US
[71] GILEAD SCIENCES, INC., US
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[54] **GARCINOL COMPOSITIONS FOR THERAPEUTIC MANAGEMENT OF ENDOPLASMIC RETICULUM STRESS**
[54] **COMPOSITIONS DE GARCINOL DESTINEES A LA GESTION THERAPEUTIQUE DU STRESS DU RETICULUM ENDOPLASMIQUE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MUNDKUR, LAKSHMI, IN
[71] SAMI LABS LIMITED, IN
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[54] **LIGHT-EMITTING DIODE FLASHER BULB**
[54] **AMPOULE CLIGNOTANTE A DIODES ELECTROLUMINESCENTES**
[72] WANG, DENNIS, CN
[71] ROUNDTRIPPING LTD., TW
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[54] **OPTICAL DETECTION METHOD**
[54] **PROCEDE DE DETECTION OPTIQUE**
[72] SENEZ, VINCENT, FR
[72] VLANDAS, ALEXIS, FR
[72] LAMANT, SEBASTIEN, FR
[72] CATHALA, BERNARD, FR
[72] MOREAU, CELINE, FR
[72] VERONESE, GABRIELLE, FR
[72] BOZONNET, SOPHIE, FR
[72] LAVILLE, ELISABETH, FR
[72] CLERET, MEGANE, FR
[71] UNIVERSITE DE LILLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA), FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE (INSAT), FR
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[54] **GRIPPING DEVICE WITH NEEDLES FOR DEFORMABLE FOOD PRODUCT**
[54] **DISPOSITIF DE PREHENSION A AIGUILLES POUR PRODUIT ALIMENTAIRE DEFORMABLE**
[72] HUMBERT, PATRICE, FR
[72] BEQUIN, LIONEL, FR
[72] LE CALLOCH, LAURENT, FR
[72] LE SENECHAL, PASCAL, FR
[71] BEL, FR
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[54] **AADC POLYNUCLEOTIDES FOR THE TREATMENT OF PARKINSON'S DISEASE**
[54] **POLYNUCLEOTIDES AADC POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] SCHEEL, MARIA, US
[72] RAVINA, BERNARD, US
[71] VOYAGER THERAPEUTICS, INC., US
[85] 2019-11-27
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[54] **SHIPPING SYSTEM FOR STORING AND/OR TRANSPORTING TEMPERATURE-SENSITIVE MATERIALS**
[54] **SYSTEME D'EXPEDITION POUR LE STOCKAGE ET/OU LE TRANSPORT DE MATERIAUX SENSIBLES A LA TEMPERATURE**
[72] RIZZO, ANTHONY, US
[72] LONGLEY, AMANDA LYNN, US
[72] NILSEN, JAMES, US
[72] LEE, TZEHO, US
[72] ORSINI, RICHARD, US
[72] PRANADI, FERY, US
[72] COOK, GREGORY, US
[71] COLD CHAIN TECHNOLOGIES, LLC, US
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[54] **ADVANCED PREEMPTION**
[54] **PREEMPTION PRECOCE**
[72] MCGAVOCK, RICHARD ALAN, JR., US
[71] SIEMENS MOBILITY, INC., US
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[54] **ENGINEERED CAS9 NUCLEASES**
[54] **NUCLEASES CAS9 MODIFIEES**
[72] STEINBERG, BARRETT ETHAN, US
[72] CERCHIONE, DEREK, US
[71] EDITAS MEDICINE, INC., US
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[54] **SOFT IONIZATION SYSTEM AND METHOD OF USE THEREOF**
[54] **SYSTEME D'IONISATION DOUCE ET SON PROCEDE D'UTILISATION**
[72] ZARRINE-AFSAR, ARASH, CA
[72] GINSBERG, HOWARD JOESEPH, CA
[72] WOOLMAN, MICHAEL, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] ST. MICHAEL'S HOSPITAL, CA
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[54] **COMPUTING SYSTEMS AND METHODS FOR TRACKING FINANCIAL DEPOSITS AND INTEREST**
[54] **SYSTEMES INFORMATIQUES ET PROCEDES DE SUIVI DE DEPOTS FINANCIERS ET D'INTERET**
[72] DAJANI, AHMAD, CA
[72] PREMJI, RAHIM, CA
[72] NATHAN, YANIV, CA
[71] THE BANK OF NOVA SCOTIA, CA
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[25] EN
[54] **COOLING UNIT FOR AN ULTRASOUND IMAGING APPARATUS, AND RELATED ULTRASOUND SYSTEMS**
[54] **UNITE DE REFROIDISSEMENT DESTINEE A UN APPAREIL D'IMAGERIE ULTRASONORE, ET SYSTEMES ULTRASONORES ASSOCIES**
[72] CHAN, KWUN-KEAT, CA
[72] ZHANG, BINDA, CA
[72] RAHARDJA, DANIEL, CA
[71] CLARIUS MOBILE HEALTH CORP., CA
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[25] EN
[54] **WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **CYCLIC PEPTIDES FOR PROTECTION AGAINST RESPIRATORY SYNCYTIAL VIRUS**
[54] **PEPTIDES CYCLIQUES POUR LA PROTECTION CONTRE LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] GHASPARIAN, ARIN, CH
[72] ZUNIGA, ARMANDO, CH
[72] MARRERO NODARSE, ANIEBRYS, CH
[72] RASSEK, OLIVER, CH
[72] ROBINSON, JOHN A., CH
[72] MOHLE, KERSTIN, CH
[71] VIROMETIX AG, CH
[71] UNIVERSITAT ZURICH, CH
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[54] **METHOD OF PREDICTING PERSONALIZED RESPONSE TO CANCER THERAPY AND KIT THEREFOR**
[54] **PROCEDE DE PREDICTION DE REPONSE PERSONNALISEE A UNE THERAPIE ANTICANCEREUSE ET KIT ASSOCIE**
[72] SHAKED, YUVAL, IL
[72] RAVIV, ZIV, IL
[72] YEGER, DROR, IL
[71] RAPPAPORT FAMILY INSTITUTE FOR RESEARCH IN THE MEDICAL SCIENCES, IL
[85] 2019-12-03
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[25] EN
[54] **DEVICE FOR GENERATING ULTRA PURE 1-METHYLCYCLOPROPENE**
[54] **DISPOSITIF DE PRODUCTION DE 1-METHYLCYCLOPROPENE ULTRA PUR**
[72] SCHOTSMANS, WENDY CONY RIA, BE
[72] VAN TOL, VINCENT JAN, NL
[72] BOON, FRANK, NL
[71] JANSSEN PHARMACEUTICA NV, BE
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[54] **POSITIONING OF SENSORS FOR SENSOR ENABLED WOUND MONITORING OR THERAPY**
[54] **POSITIONNEMENT DE CAPTEURS POUR LA SURVEILLANCE OU LE TRAITEMENT DE PLAIE ACTIVE(E) PAR CAPTEURS**
[72] BROWNHILL, VARUNI RACHINDRA, GB
[72] HAMMOND, VICTORIA JODY, GB
[72] HUNT, ALLAN KENNETH FRAZER GRUGEON, GB
[72] PHILLIPS, MARCUS DAMIAN, GB
[72] SMITH, DAMIAN, GB
[72] URWIN, CHARLOTTE, GB
[71] SMITH & NEPHEW PLC, GB
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[51] **Int.Cl. A61M 35/00 (2006.01) A61K 31/343 (2006.01) A61K 47/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR THE TREATMENT OF BODY SURFACE DISORDERS**
[54] **DISPOSITIFS ET PROCEDES POUR LE TRAITEMENT D'AFFECTIONS AU NIVEAU DE LA SURFACE CORPORELLE**
[72] DAVIDSON, MATTHEW GENE, US
[72] RIEGER, JAYSON MICHAEL, US
[72] SCAVOLA, EUGENE, US
[72] DALY, PAUL, US
[72] WELGUS, HOWARD, US
[71] VERRICA PHARMACEUTICALS, INC., US
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[54] **NEGATIVE PRESSURE WOUND THERAPY APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE PLAIE A PRESSION NEGATIVE**
[72] HARTWELL, EDWARD YERBURY, GB
[72] MORTIMER, SAMUEL JOHN, GB
[72] STEWARD, DANIEL LEE, GB
[72] RAWSON, NEILL JOHN, GB
[72] RUSSELL, SERENA LOUISA, GB
[71] T. J. SMITH & NEPHEW,LIMITED, GB
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[54] **SPACER LAYER FOR USE IN A WOUND DRESSING**
[54] **COUCHE D'ESPACEMENT A UTILISER DANS UN PANSEMENT**
[72] RAWSON, NEILL JOHN, GB
[72] WHELDRAKE, AMY NICOLE, GB
[71] T. J. SMITH & NEPHEW,LIMITED, GB
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[54] **WIND TURBINE ROTARY CONNECTION, AND WIND TURBINE COMPRISING SAME**
[54] **COURONNE D'ORIENTATION POUR EOLIENNE ET EOLIENNE AINSI EQUIPEE**
[72] MTAUWEG, SAMER, DE
[71] WOBBEN PROPERTIES GMBH, DE
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[54] **FORMULATION DE NETTOYAGE COMPRENANT UN ADDITIF DE SOLVANT**
[72] JAYNES, BINGHAM SCOTT, US
[72] CHEN, XIN, US
[72] CHEN, LI, US
[72] CHUA, MEI-LY, US
[72] SCHEBLEIN, JOSEPH WILLIAM, US
[72] SMITH, GREGORY HOWARD, US
[71] CRODA, INC., US
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[54] **ISOLATEUR DE SERRAGE DE LIGNE D'ALIMENTATION ELECTRIQUE**
[72] PYRON, ROGER, US
[71] ALUMA-FORM, INC., US
[85] 2019-12-03
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[54] **COMPOSITION DE SUCRE A INDICE GLYCEMIQUE FAIBLE**
[72] THOMPSON, DARYL, US
[71] SWEET SENSE INC., US
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[54] **MERGING CONVEYOR WITH PIVOTAL CHUTE**
[54] **TRANSPORTEUR A FUSION A GOULOTTE PIVOTANTE**
[72] HUGHES, JOHN, US
[72] RONEY, TIMOTHY, US
[71] FEDEX GROUND PACKAGE SYSTEM, INC., US
[85] 2019-12-03
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[54] **PRESSURE TUBE-TO-END FITTING COUPLING AND METHOD OF ASSEMBLING NUCLEAR REACTOR FUEL CHANNEL ASSEMBLY**
[54] **RACCORDEMENT ENTRE UN TUBE A PRESSION ET UN EMBOUT ET PROCEDE D'ASSEMBLAGE D'UN ENSEMBLE CANAL DE COMBUSTIBLE POUR REACTEUR NUCLEAIRE**
[72] SZCZEPAN, ANDRZEJ PIOTR, CA
[72] DROSSIS, JOHN, CA
[71] CANDU ENERGY INC., CA
[85] 2019-12-04
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[54] **SYSTEM AND METHOD FOR VOLUME REDUCTION OF NUCLEAR REACTOR COMPONENTS**
[54] **SYSTEME ET PROCEDE DE REDUCTION DE VOLUME DANS DES ELEMENTS DE REACTEUR NUCLEAIRE**
[72] DEADMAN, JASON, CA
[71] CANDU ENERGY INC., CA
[85] 2019-12-04
[86] 2018-06-05 (PCT/CA2018/050671)
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[54] **APPARATUS AND METHOD FOR LOCATING A CALANDRIA TUBE**
[54] **APPAREIL ET PROCEDE POUR LOCALISER UN TUBE DE CALANDRE**
[72] SZCZEPAN, ANDRZEJ, CA
[72] JAMIESON, ROBERT WILLIAM, CA
[71] CANDU ENERGY INC., CA
[85] 2019-12-04
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[54] **CONTROL SYSTEM FOR AND METHOD OF OPERATING JOINTS**
[54] **SYSTEME DE COMMANDE D'ARTICULATIONS ET PROCEDE POUR LEUR FONCTIONNEMENT**
[72] TIPPETT, JONATHAN, CA
[71] TIPPETT, JONATHAN, CA
[85] 2019-11-17
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[54] **IMIDAZOLE-CONTAINING INHIBITORS OF ALK2 KINASE**
[54] **INHIBITEURS DE LA KINASE ALK2 CONTENANT DE L'IMIDAZOLE**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[72] KUMAR, V. SATISH, US
[72] ZHANG, WEIHE, US
[72] LU, PENG-CHENG, US
[72] RAMAN, KRISHNAN, US
[71] BIOCRYST PHARMACEUTICALS, INC., US
[85] 2019-12-03
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[51] **Int.Cl. C10G 1/00 (2006.01) C10G 1/02 (2006.01) C10G 9/02 (2006.01) C10G 9/06 (2006.01) F23G 5/027 (2006.01) F23G 5/20 (2006.01) F27B 7/06 (2006.01) F27B 7/14 (2006.01) F27B 7/28 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING LIQUID FUEL FROM WASTE HYDROCARBON AND/OR ORGANIC MATERIAL, REACTOR, APPARATUS, USES AND MANAGING SYSTEM THEREOF**
[54] **PROCEDE POUR PRODUIRE DU CARBURANT LIQUIDE A PARTIR DE DECHETS D'HYDROCARBURES ET/OU DE MATIERE ORGANIQUE, REACTEUR, APPAREIL, UTILISATIONS ET SYSTEME DE GESTION ASSOCIE**
[72] BERTRAND, LOUIS, CA
[72] WHEELER, LUCIE B., CA
[71] ENVIROLLEA INC., CA
[85] 2019-12-04
[86] 2018-07-04 (PCT/CA2018/050816)
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[54] **NEW SUBSTITUTED AZAINDOLINE DERIVATIVES AS NIK INHIBITORS**
[54] **NOUVEAUX DERIVES D'AZAINDOLINE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE NIK**
[72] HYND, GEORGE, GB
[72] MACLEOD, CALUM, GB
[72] MANN, SAMUEL EDWARD, GB
[72] KULAGOWSKI, JANUSZ JOZEF, GB
[72] STANSFIELD, IAN, FR
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] PONCELET, VIRGINIE SOPHIE, FR
[72] GROSS, GERHARD MAX, BE
[72] JACOBY, EDGAR, BE
[72] MEERPOEL, LIEVEN, BE
[71] JANSSEN PHARMACEUTICA NV, BE
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[54] **THERAPEUTIC USES OF FIBRINOGEN GAMMA PRIME VARIANTS**
[54] **UTILISATIONS THERAPEUTIQUES DE VARIANTS DE GAMMA PRIME DE FIBRINOGENE**
[72] WEGGEMAN, MIRANDA, NL
[72] GRIMBERGEN, JOSEPH, NL
[72] KOOPMAN, JACOB, NL
[71] FIBRIANT B.V., NL
[85] 2019-12-03
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[25] EN
[54] **BEVERAGE CAN AND LID THEREOF**
[54] **CANETTE DE BOISSON ET SON COUVERCLE**
[72] CHAURETTE, JACQUES, CA
[72] SMITH, GREGORY, CA
[72] CLACK, ALAN, CA
[71] ELLIPTICA INNOVATIONS INC., CA
[85] 2019-12-04
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[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-04
[86] 2017-06-09 (PCT/CN2017/087817)
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[51] **Int.Cl. F16B 37/14 (2006.01) F16B 39/08 (2006.01)**
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[54] **POSITIVE LOCKING FASTENER**
[54] **FIXATION A VERROUILLAGE POSITIF**
[72] ABOU HALIMA, MOHAMED, FR
[72] MEIFFRE, LOIC, FR
[71] LISI AEROSPACE, FR
[85] 2019-12-04
[86] 2018-06-14 (PCT/FR2018/051414)
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[51] **Int.Cl. H04L 1/16 (2006.01)**
[25] EN
[54] **TRANSMISSION METHOD, APPARATUS AND SYSTEM FOR FEEDBACK ACKNOWLEDGE INFORMATION**
[54] **PROCEDE, APPAREIL ET SYSTEME DE TRANSMISSION D'INFORMATIONS D'ACCUSE DE RECEPTION DE RETROACTION**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-04
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[25] EN
[54] **BRAKING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE FREINAGE**
[72] OZTURK, MUSTAFA NACI, TR
[71] ERKE ERKE ARASTIRMALARI VE MUHENDISLIK A.S., TR
[85] 2019-12-04
[86] 2017-06-21 (PCT/EP2017/065297)
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[25] FR
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[54] **FIXATION A VERROUILLAGE POSITIF**
[72] GOYER, JULIEN, FR
[72] ABOU HALIMA, MOHAMED, FR
[72] MEIFFRE, LOIC, FR
[71] LISI AEROSPACE, FR
[85] 2019-12-04
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[51] **Int.Cl. H04W 16/32 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE TRANSMISSION DE DONNEES ET PRODUIT ASSOCIE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-04
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[51] **Int.Cl. F16B 37/14 (2006.01) F16B 39/08 (2006.01)**
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[54] **POSITIVE LOCKING FASTENER**
[54] **FIXATION A VERROUILLAGE POSITIF**
[72] MEIFFRE, LOIC, FR
[71] LISI AEROSPACE, FR
[85] 2019-12-04
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[25] EN
[54] **DEODORANT AND ANTIPERSPIRANT COMPOSITIONS**
[54] **COMPOSITIONS DEODORANTES ET ANTITRANSPIRANTES**
[72] STURGIS, DAVID ARTHUR, US
[72] JONES, STEVAN DAVID, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-11-29
[86] 2018-06-28 (PCT/US2018/039972)
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[25] FR
[54] **SCREEN FOR SILK-SCREEN PRINTING AND METHOD FOR OBTAINING GLAZING UNITS PROVIDED WITH ELECTRICALLY CONDUCTIVE PATTERNS**
[54] **ECRAN DE SERIGRAPHIE ET PROCEDE D'OBTENTION DE VITRAGES MUNIS DE MOTIFS ELECTROCONDUCTEURS**
[72] BEYRLE, ANDRE, FR
[72] LEPRETRE, SAMUEL, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-12-04
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[51] **Int.Cl. H04W 76/19 (2018.01) H04W 76/30 (2018.01)**
[25] EN
[54] **WIRELESS PROTOCOL LAYER ENTITY PROCESSING METHOD AND CORRESPONDING USER EQUIPMENT**
[54] **PROCEDE DE TRAITEMENT D'ENTITE DE COUCHE DE PROTOCOLE SANS FIL ET EQUIPEMENT UTILISATEUR CORRESPONDANT**
[72] CHANG, NINGJUAN, CN
[72] LIU, RENMAO, CN
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2019-12-04
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[30] CN (201710445073.5) 2017-06-13

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[51] **Int.Cl. B32B 17/10 (2006.01)**
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[54] **COMPOSITE PANE HAVING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES**
[54] **VITRAGE FEUILLETE A PROPRIETES OPTIQUES ELECTROCOMMANDABLES**
[72] KLEIN, MARCEL, DE
[72] SCHMIDT, GEORG, DE
[72] YEH, LI-YA, DE
[72] LABROT, MICHAEL, DE
[72] DROGE, ALICIA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[51] **Int.Cl. G01N 27/26 (2006.01) G01N 27/453 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **RAPID BLOTTING DEVICE AND APPLICATIONS THEREOF**
[54] **DISPOSITIF DE TRANSFERT RAPIDE ET SES APPLICATIONS**
[72] CHEN, XIN, CN
[72] WANG, CHAO, CN
[71] NANJINGJINSIRUI SCIENCE & TECHNOLOGY BIOLOGY CORP., CN
[85] 2019-12-04
[86] 2018-06-13 (PCT/CN2018/091116)
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[25] EN
[54] **SAFETY CONTACT STRIP**
[54] **REGLETTE DE CONTACTS DE SECURITE**
[72] FRIEDRICH, HELMUT, DE
[72] KLAUSE, NICK, DE
[72] STROOP, HUBERT, DE
[71] ASO GMBH ANTRIEBS-UND STEUERUNGSTECHNIK, DE
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[30] DE (10 2017 005 514.9) 2017-06-12

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[51] **Int.Cl. B05B 1/02 (2006.01)**
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[54] **CLEANING, HEALING AND REGENERATION OF TISSUE AND WOUNDS**
[54] **NETTOYAGE, CICATRISATION ET REGENERATION DE TISSUS ET DE PLAIES**
[72] LEIGHTON, TIMOTHY, GB
[72] VOEGELI, DAVID, GB
[72] HARLING, CHRISTOPHER, GB
[72] SECKER, THOMAS, GB
[72] DOLDER, CRAIG, GB
[72] ZHU, MENGYANG, GB
[71] SLOAN WATER TECHNOLOGY LIMITED, GB
[85] 2019-12-04
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[30] GB (1708901.2) 2017-06-05

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[51] **Int.Cl. H01H 33/90 (2006.01)**
[25] EN
[54] **ELECTRIC HIGH-VOLTAGE CIRCUIT BREAKER**
[54] **DISJONCTEUR ELECTRIQUE DE HAUTE TENSION**
[72] STELTER, ACHIM, DE
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2019-12-04
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[25] EN
[54] **WAX FORMULATIONS HAVING IMPROVED RELEASE CHARACTERISTICS**
[54] **FORMULATIONS DE CIRE AYANT DE MEILLEURES CARACTERISTIQUES DE DETACHEMENT**
[72] ALLISON, GERALD, US
[71] FIRMENICH SA, CH
[85] 2019-12-04
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[30] US (62/515,914) 2017-06-06
[30] EP (17198363.8) 2017-10-25

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[51] **Int.Cl. A61K 31/519 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **GONADOTROPIN-RELEASING HORMONE ANTAGONIST DOSING REGIMENS FOR TREATING UTERINE FIBROIDS AND REDUCING MENSTRUAL BLOOD LOSS**
[54] **POSOLOGIES D'UN ANTAGONISTE DE L'HORMONE DE LIBERATION DES GONADOTROPHINES PERMETTANT DE TRAITER LES FIBROMES UTERINS ET DE REDUIRE LES PERTES DE SANG MENSTRUELLES**
[72] LOUMAYE, ERNEST, CH
[72] GOTTELAND, JEAN-PIERRE, CH
[72] POHL, OLIVIER, CH
[71] OBSEVA S.A., CH
[85] 2019-12-04
[86] 2018-06-05 (PCT/EP2018/064767)
[87] (WO2018/224497)
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[51] **Int.Cl. A61K 35/74 (2015.01) A23L 33/135 (2016.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] MULDER, IMKE ELISABETH, GB
[72] ETTORRE, ANNA, GB
[72] AHMED, SUAAD, GB
[72] FOTIADOU, PARTHENA, GB
[72] URCIA, JOSEPH ROBY IRINGAN, GB
[72] SAVIGNAC, HELENE, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
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[86] 2018-06-14 (PCT/EP2018/065809)
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[30] GB (1709465.7) 2017-06-14
[30] GB (1709526.6) 2017-06-15
[30] GB (1805990.7) 2018-04-11
[30] GB (1805989.9) 2018-04-11
[30] GB (1805991.5) 2018-04-11
[30] GB (1806780.1) 2018-04-25
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[25] EN
[54] **GONADOTROPIN-RELEASING HORMONE ANTAGONIST DOSING REGIMENS FOR THE TREATMENT OF ENDOMETRIOSIS**
[54] **SCHEMAS POSOLOGIQUES COMPRENANT UN ANTAGONISTE DE L'HORMONE DE LIBERATION DES GONADOTROPHINES POUR LE TRAITEMENT DE L'ENDOMETRIOSE**
[72] LOUMAYE, ERNEST, CH
[72] GOTTELAND, JEAN-PIERRE, CH
[71] OBSEVA S.A., CH
[85] 2019-12-04
[86] 2018-06-05 (PCT/EP2018/064768)
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[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **A METHOD AND DEVICE IN A RADIO NETWORK**
[54] **PROCEDE ET DISPOSITIF DANS UN RESEAU RADIO**
[72] WANG, MIN, SE
[72] CHRISTOFFERSSON, JAN, SE
[72] LIU, JINHUA, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-04
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[54] **MOLTEN SALT REACTOR**
[54] **REACTEUR A SELS FONDUS**
[72] SCHONFELDT, TROELS, DK
[72] NIELSEN, JIMMY SOLVSTEEN, DK
[72] PETTERSEN, EIRIK EIDE, DK
[72] PEDERSEN, ANDREAS VIGAND, DK
[72] COOPER, DANIEL JOHN, DK
[71] SEABORG APS, DK
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[25] EN
[54] **HETEROCYCLYLMETHYLIDENE DERIVATIVES AND THEIR USE AS MODULATORS OF MGLUR5 RECEPTORS**
[54] **DERIVES D'HETEROCYCLYLMETHYLIDENE ET LEUR UTILISATION EN TANT QUE MODULATEURS DES RECEPTEURS MGLUR5**
[72] RIVA, CARLO, IT
[72] GRAZIANI, DAVIDE, IT
[72] LONGHI, MATTEO, IT
[72] CALLEGARI, ELISA, IT
[72] FRIGERIO, FABIO, IT
[72] ANGELICO, PATRIZIA, IT
[71] RECORDATI INDUSTRIA CHIMICA E FARMACEUTICA SPA, IT
[85] 2019-12-04
[86] 2018-06-29 (PCT/EP2018/067628)
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[30] US (62/526,762) 2017-06-29

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[51] **Int.Cl. F03D 7/04 (2006.01) F03D 13/10 (2016.01) F03D 80/50 (2016.01)**
[25] EN
[54] **MOBILE CONTROL UNIT FOR A WIND TURBINE**
[54] **UNITE DE COMMANDE MOBILE POUR UNE EOLIENNE**
[72] JANSSEN, STEFFEN, DE
[72] REITER, DANIEL, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2019-12-04
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[30] DE (10 2017 114 915.5) 2017-07-04

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[13] A1
[51] **Int.Cl. F16K 41/02 (2006.01) F16K 5/02 (2006.01)**
[25] EN
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[54] **DISPOSITIF D'OBTURATION COMPRENANT UN DISPOSITIF D'ETANCHEITE**
[72] FUOC, ALAIN, FR
[71] XOMOX INTERNATIONAL GMBH & CO. OHG, DE
[85] 2019-12-04
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[30] DE (10 2017 117 330.7) 2017-07-31
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[25] EN
[54] **15.BETA.-[3-PROPANAMIDO]-SUBSTITUTED ESTRA-1,3,5(10)-TRIEN-17-ONE COMPOUNDS AND THEIR 17-OXIMES FOR USE IN INHIBITION OF 17.BETA.-HYDROXYSTEROID DEHYDROGENASES**
[54] **DERIVES STEROIDIENS THERAPEUTIQUEMENT ACTIFS**
[72] HIRVELA, LEENA, FI
[72] HAKOLA, MARJO, FI
[72] LINNANEN, TERO, FI
[72] KOSKIMIES, PASI, FI
[72] STJERNSCHANTZ, CAMILLA, FI
[71] FORENDO PHARMA LTD, FI
[85] 2019-12-04
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[51] **Int.Cl. H05B 33/08 (2006.01) G05F 1/56 (2006.01) G05F 1/565 (2006.01) G05F 1/569 (2006.01) G05F 1/577 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A PARALLELED HYBRID HORTICULTURE SYSTEM**
[54] **SYSTEMES ET METHODES DE MISE EN OEUVRE D'UN SYSTEME D'HORTICULTURE HYBRIDE PARALLELE**
[72] DUONG, DUNG, US
[72] JOHNSON, RANDALL, US
[71] FLUENCE BIOENGINEERING, INC., US
[85] 2019-12-03
[86] 2018-02-28 (PCT/US2018/020289)
[87] (WO2018/226279)
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[51] **Int.Cl. A61M 16/00 (2006.01) G16H 40/60 (2018.01) A61B 5/08 (2006.01)**
[25] EN
[54] **BREATHING APPARATUS AND METHOD FOR CONTROLLING A BREATHING APPARATUS**
[54] **APPAREIL DE VENTILATION ET PROCEDE DE COMMANDE D'UN APPAREIL DE VENTILATION**
[72] FRIBERG, HARRI, LI
[72] DASCHER, JAKOB, CH
[71] IMTMEDICAL AG, CH
[85] 2019-12-04
[86] 2018-06-29 (PCT/IB2018/054852)
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[25] EN
[54] **DOWNHOLE FLUID CONTROL APPARATUS**
[54] **APPAREIL DE REGULATION DE FLUIDE DE FONDS DE PUITS**
[72] REID, STEPHEN, GB
[71] WEATHERFORD U.K. LIMITED, GB
[85] 2019-12-04
[86] 2018-05-17 (PCT/GB2018/051339)
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[25] EN
[54] **FORMULATION FOR SEED TREATMENT COMPRISING FLUENSULFONE**
[54] **FORMULATION POUR LE TRAITEMENT DE SEMENCES COMPRENANT DU FLUENSULFONE**
[72] COLLA, LUIZ FERNANDO, BR
[72] MACHADO, SILVIO, BR
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2019-12-04
[86] 2018-06-07 (PCT/IB2018/000701)
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[51] **Int.Cl. G06T 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING 360° PANORAMA IMAGES TO BE CONTINUOUSLY DISPLAYED BY A TWO-DIMENSIONAL MEDIUM ON A CYLINDRICAL OR CONICAL REFLECTING SURFACE THAT SIMULATES THE ACTUAL VIEW**
[54] **PROCEDE POUR OBTENIR DES IMAGES PANORAMIQUES A 360° DEVANT ETRE AFFICHEES EN CONTINU PAR UN SUPPORT BIDIMENSIONNEL SUR UNE SURFACE REFLECHISSANTE CYLINDRIQUE OU CONIQUE QUI SIMULE LA VUE REELLE**
[72] ROZENBERG, ELIYAHU, IT
[71] RS LIFE360 SOCIETA A RESPONSABILITA LIMITATA, IT
[85] 2019-12-04
[86] 2018-05-08 (PCT/IB2018/053175)
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[54] **AIRCRAFT ICE PROTECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROTECTION D'UN AERONEF CONTRE LA GLACE**
[72] WILSON, ROBERT SAMUEL, GB
[71] SHORT BROTHERS PLC, IE
[85] 2019-12-04
[86] 2018-06-04 (PCT/EP2018/064627)
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[30] GB (1709170.3) 2017-06-08

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[51] **Int.Cl. B23Q 11/12 (2006.01) B23Q 11/14 (2006.01)**
[25] EN
[54] **MACHINE TOOL AND METHOD FOR CONTROLLING TEMPERATURE VARIATIONS IN A MACHINE TOOL**
[54] **MACHINE-OUTIL ET PROCEDE DE COMMANDE DES VARIATIONS DE TEMPERATURE DANS UNE MACHINE-OUTIL**
[72] TONCELLI, LUCA, IT
[72] SAURIN, CLAUDIO, IT
[72] TROJETTO, RICCARDO, IT
[71] BRETON SPA, IT
[85] 2019-12-04
[86] 2018-06-01 (PCT/IB2018/053941)
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[30] IT (102017000061222) 2017-06-05

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[51] **Int.Cl. G06N 3/02 (2006.01) H03M 7/30 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE, DATA PROCESSING METHOD, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES, PROCEDE DE TRAITEMENT DE DONNEES ET DONNEES COMPRESSEES**
[72] MINEZAWA, AKIRA, JP
[72] MORIYA, YOSHIMI, JP
[72] WANG, MENGXIONG, JP
[72] SUGIMOTO, KAZUO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[25] EN
[54] **PCB OPTICAL ISOLATION BY NONUNIFORM CATCH PAD STACK**
[54] **ISOLATION OPTIQUE DE CARTE DE CIRCUIT IMPRIME PAR EMPILEMENT DE TAMPONS DE CAPTURE NON UNIFORME**
[72] TAZZOLI, AUGUSTO, US
[72] GASSEND, BLAISE, US
[71] WAYMO LLC, US
[85] 2019-12-04
[86] 2018-05-22 (PCT/US2018/033790)
[87] (WO2018/226393)
[30] US (15/613,580) 2017-06-05

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[51] **Int.Cl. G05B 15/00 (2006.01) F24F 11/00 (2018.01) G05B 15/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR HVAC INEFFICIENCY PREDICTION**
[54] **PROCEDES ET SYSTEMES DE PREDICTION D'INEFFICACITE DE CVCA**
[72] SAMUNI, ERAN, IL
[72] COHEN, ERAN, IL
[72] ZAK, ALEXANDER, IL
[72] RIMINI, NOA, IL
[71] GRID4C, IL
[85] 2019-12-04
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[51] **Int.Cl. H04W 16/00 (2009.01)**
[25] EN
[54] **RESOURCE PARTITIONING IN A WIRELESS BACKHAUL NETWORK**
[54] **PARTITIONNEMENT DE RESSOURCES DANS UN RESEAU DE LIAISON TERRESTRE SANS FIL**
[72] ABEDINI, NAVID, US
[72] HAMPEL, KARL GEORG, US
[72] LI, JUNYI, US
[72] SUBRAMANIAN, SUNDAR, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] CEZANNE, JUERGEN, US
[71] QUALCOMM INCORPORATED, US
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[86] 2018-05-25 (PCT/US2018/034589)
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[25] EN
[54] **WIRELESS COMMUNICATION APPARATUS AND WIRELESS COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MOTOZUKA, HIROYUKI, JP
[72] WEE, YAO HUANG GAIUS, SG
[72] IRIE, MASATAKA, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2019-12-04
[86] 2018-05-17 (PCT/JP2018/019003)
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[30] US (62/521,107) 2017-06-16
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[51] **Int.Cl. F02C 7/00 (2006.01) F01D 25/00 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **STRESS REDUCTION STRUCTURE, GAS TURBINE CASING, AND GAS TURBINE**
[54] **STRUCTURE DE REDUCTION DE CONTRAINTE, CARTER DE TURBINE A GAZ ET TURBINE A GAZ**
[72] UETSUKI, YASUYUKI, JP
[72] HANADA, TADAYUKI, JP
[72] FUJIMOTO, YOHEI, JP
[72] OTA, TAKAFUMI, JP
[72] ICHIHASHI, YUSUKE, JP
[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
[85] 2019-12-04
[86] 2018-04-09 (PCT/JP2018/014929)
[87] (WO2018/235394)
[30] JP (2017-121293) 2017-06-21

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[51] **Int.Cl. H04W 28/16 (2009.01)**
[25] EN
[54] **BANDWIDTH ALLOCATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ATTRIBUTION DE BANDE PASSANTE**
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-04
[86] 2017-06-09 (PCT/CN2017/087708)
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[51] **Int.Cl. G08B 17/107 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **METHOD OF MONITORING HEALTH OF PROTECTIVE COVER OF DETECTION DEVICE**
[54] **PROCEDE DE SURVEILLANCE DE L'ETAT D'UN COUVERCLE DE PROTECTION D'UN DISPOSITIF DE DETECTION**
[72] LINCOLN, DAVID L., US
[71] CARRIER CORPORATION, US
[85] 2019-12-04
[86] 2018-06-04 (PCT/US2018/035874)
[87] (WO2018/226593)
[30] US (62/515,039) 2017-06-05

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[51] **Int.Cl. C02F 1/28 (2006.01) B01J 20/06 (2006.01) B01J 20/34 (2006.01) C01G 49/02 (2006.01)**
[25] EN
[54] **ADSORPTION METHOD**
[54] **PROCEDE D'ADSORPTION**
[72] HIROKAWA, TOSHIYASU, JP
[72] NOISHIKI, TSUYOSHI, JP
[72] KIMURA, NOBUO, JP
[72] TATEISHI, YUICHI, JP
[72] TAKAHASHI, YUKIKO, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2019-12-04
[86] 2018-06-11 (PCT/JP2018/022183)
[87] (WO2018/230489)
[30] JP (2017-118425) 2017-06-16

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[51] **Int.Cl. B01D 21/00 (2006.01) E03F 5/14 (2006.01)**
[25] EN
[54] **IMPROVED CLARIFIER WITH INDEPENDENT SUMP SCRAPER DRIVE**
[54] **CLARIFICATEUR AMELIORE AVEC ENTRAINEMENT DE RACLEUR DE PUISARD INDEPENDANT**
[72] POWERS, PAUL J., US
[71] KADANT BLACK CLAWSON LLC, US
[85] 2019-12-04
[86] 2018-06-07 (PCT/US2018/036426)
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[30] US (62/516,136) 2017-06-07

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[51] **Int.Cl. A61K 38/05 (2006.01) A61P 3/10 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **MEDICAL PREPARATION FOR ENHANCING TISSUE OXYGENATION IN CASE OF DIABETIC FOOT AND USE OF IT**
[54] **PREPARATION MEDICALE POUR AMELIORER L'OXYGENATION TISSULAIRE DANS LE CAS D'UN ULCERE DIABETIQUE DU PIED ET SON UTILISATION**
[72] TROFIMOV, ALEKSANDR VLADISLAVOVICH, RU
[72] KHAVINSON, VLADIMIR KHATSKELEVICH, RU
[72] IVKO, OLEG MIKHAILOVICH, KZ
[72] TROFIMOVA, SVETLANA VLADISLAVOVNA, RU
[71] OMNIPEP ESTABLISHMENT, LI
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[86] 2017-11-08 (PCT/RU2017/000837)
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[51] **Int.Cl. A61F 2/14 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CORNEAL TRANSPLANTS**
[54] **SYSTEMES ET PROCEDES POUR TRANSPLANTS CORNEENS**
[72] BARKER, JERRY W., US
[72] DRABBLE, DOUGLAS C., US
[72] GIEGENGACK, MATTHEW, US
[71] CORNEAGEN INC., US
[85] 2019-12-03
[86] 2018-06-05 (PCT/US2018/036059)
[87] (WO2018/226695)
[30] US (62/515,528) 2017-06-05

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[51] **Int.Cl. A47C 27/00 (2006.01) A47C 27/12 (2006.01) A47G 9/10 (2006.01) B68G 1/00 (2006.01)**
[25] EN
[54] **TEXTILE PRODUCTS COMPRISING NATURAL DOWN AND FIBROUS MATERIALS**
[54] **RODUITS TEXTILES COMPRENANT DU DUVET NATUREL ET DES MATERIAUX FIBREUX**
[72] MITTAL, KHUSHBOO, US
[72] KANDHASAMY, MOHAN MEIYAPPAN, US
[71] SYSCO GUEST SUPPLY, LLC, US
[85] 2019-12-04
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[51] **Int.Cl. C07D 493/04 (2006.01) A61K 31/37 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 491/22 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL IN INHIBITING HUMAN TREFOIL FACTOR 3**
[54] **COMPOSES UTILES POUR INHIBER LE FACTEUR 3 EN FEUILLE DE TREFLE HUMAIN**
[72] LOBIE, PETER EDWARD, SG
[72] PANDEY, VIJAY KUMAR, SG
[72] KANCHUGARAKOPPAL SUBBEGOWDA, RANGAPPA, IN
[72] BASAPPA, IN
[72] CHAKRABHAVI DHANANJAYA, MOHAN, IN
[72] RANGAPPA, SHOBITH, IN
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[71] UNIVERSITY OF MYSORE, IN
[71] BANGALORE UNIVERSITY, IN
[85] 2019-12-04
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[25] EN
[54] **SECTIONAL CONTROL DEVICE**
[54] **DISPOSITIF DE REGULATION TRANSVERSAL**
[72] BATCHELLER, BARRY, US
[72] NYSTUEN, PAUL, US
[72] REICH, ADAM, US
[72] STRUVE, NICHOLAS, US
[71] INTELLIGENT AGRICULTURAL SOLUTIONS LLC, US
[85] 2019-12-04
[86] 2018-06-18 (PCT/US2018/037981)
[87] (WO2019/005513)
[30] US (15/639,497) 2017-06-30

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[51] **Int.Cl. A47J 37/06 (2006.01) F24C 1/14 (2006.01)**
[25] EN
[54] **APPARATUS FOR TEMPERATURE CONTROL OF BARBECUE OVEN**
[54] **APPAREIL DE REGULATION DE LA TEMPERATURE D'UN FOUR DE BARBECUE**
[72] KARAU, WILLIAM H., US
[71] KBQ TECHNOLOGIES, LLC, US
[85] 2019-12-04
[86] 2017-06-19 (PCT/US2017/038189)
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[51] **Int.Cl. A01H 1/00 (2006.01) C07K 14/405 (2006.01) C07K 14/415 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **GENETICALLY ENGINEERED LAND PLANTS THAT EXPRESS A PLANT CCP1-LIKE MITOCHONDRIAL TRANSPORTER PROTEIN**
[54] **PLANTES TERRESTRES GENETIQUEMENT MODIFIEES QUI EXPRIMENT UNE PROTEINE VEGETALE DE TRANSPORTEUR MITOCHONDRIAL DE TYPE CCP1**
[72] SKRALY, FRANK ANTHONY, US
[72] PEOPLES, OLIVER P., US
[72] SNELL, KRISTI D., US
[72] MALIK, MEGHNA, US
[71] YIELD10 BIOSCIENCE, INC., US
[85] 2019-12-04
[86] 2018-06-15 (PCT/US2018/037740)
[87] (WO2018/232232)
[30] US (62/520,785) 2017-06-16

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[51] **Int.Cl. G02B 3/12 (2006.01) G01N 21/25 (2006.01) G02B 26/00 (2006.01) G02B 26/08 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **DYNAMICALLY ACTUABLE DIFFRACTIVE OPTICAL ELEMENT**
[54] **ELEMENT OPTIQUE DIFFRACTIF ACTIONNABLE DE MANIERE DYNAMIQUE**
[72] YEOH, IVAN LI CHUEN, US
[72] EDWIN, LIONEL ERNEST, US
[71] MAGIC LEAP, INC., US
[85] 2019-12-04
[86] 2018-06-18 (PCT/US2018/038029)
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[30] US (62/521,804) 2017-06-19

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **DOWNHOLE PACKER RING APPARATUS AND METHOD OF ASSEMBLING THEREOF**
[54] **APPAREIL ANNULAIRE DE GARNITURE D'ETANCHEITE EN PROFONDEUR DE FORAGE ET SON PROCEDE D'ASSEMBLAGE**
[72] PUROHIT, ANKIT, SG
[72] GJELSTAD, GEIR, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-04
[86] 2017-07-31 (PCT/US2017/044642)
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[51] **Int.Cl. C40B 30/10 (2006.01)**
[25] EN
[54] **PREDICTING MOLECULAR PROPERTIES OF MOLECULAR VARIANTS USING RESIDUE-SPECIFIC MOLECULAR STRUCTURAL FEATURES**
[54] **PREDICTION DE PROPRIETES MOLECULAIRES DE VARIANTS MOLECULAIRES EN UTILISANT DES CARACTERISTIQUES STRUCTURALES MOLECULAIRES SPECIFIQUES AUX RESIDUS**
[72] SHAVER, JEREMY MARTIN, US
[72] KETCHEM, RANDAL ROBERT, US
[71] JUST BIOTHERAPEUTICS, INC., US
[85] 2019-12-04
[86] 2018-06-08 (PCT/US2018/036777)
[87] (WO2018/227167)
[30] US (62/517,048) 2017-06-08

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[51] **Int.Cl. C07D 239/74 (2006.01) C07D 239/94 (2006.01) C07D 239/95 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING HUNTINGTON'S DISEASE**
[54] **COMPOSES PERMETTANT DE TRAITER LA MALADIE DE HUNTINGTON**
[72] WOLL, MATTHEW G., US
[72] AMEDZO, LUKIANA, US
[72] BABU, SURESH, US
[72] BARRAZA, SCOTT J., US
[72] BHATTACHARYYA, ANURADHA, US
[72] KARP, GARY MITCHELL, US
[72] MAZZOTTI, ANTHONY R., US
[72] NARASIMHAN, JANA, US
[72] PATEL, JIGAR, US
[72] TURPOFF, ANTHONY, US
[72] XU, ZHENRONG, US
[71] PTC THERAPEUTICS INC., US
[85] 2019-12-04
[86] 2018-06-05 (PCT/US2018/035954)
[87] (WO2018/226622)
[30] US (62/514,999) 2017-06-05

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[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **DISSOLVABLE EXPLOSIVE PROPPANT STRUCTURES**
[54] **STRUCTURES D'AGENT DE SOUTENEMENT EXPLOSIF APTES A ETRE DISSOUTES**
[72] STARK, DANIEL JOSHUA, US
[72] HALL, LEE J., US
[72] NELLUMS, ROBERT ROSS, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-04
[86] 2017-07-31 (PCT/US2017/044746)
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[51] **Int.Cl. G01F 25/00 (2006.01) F16L 17/00 (2006.01) G01F 1/66 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **PORTABLE VERIFICATION SYSTEM AND METHOD USED TO VERIFY AN IN-FIELD GAS FLOW METER**
[54] **SYSTEME PORTATIF DE VERIFICATION ET PROCEDE UTILISE POUR VERIFIER UN DEBITMETRE DE GAZ SUR LE TERRAIN**
[72] MCCLINTOCK, DENNIS, US
[71] BIG ELK ENERGY SYSTEMS, LLC, US
[85] 2019-12-04
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[87] (WO2018/208329)
[30] US (15/588,630) 2017-05-06

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[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **CUSTOMIZED COORDINATE ASCENT FOR RANKING DATA RECORDS**
[54] **ASCENSION DE COORDONNEES PERSONNALISEES POUR CLASSER DES ENREGISTREMENTS DE DONNEES**
[72] JIANG, PENG, US
[72] BIERNER, GANN, US
[72] WU, LEI, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2019-12-04
[86] 2018-06-05 (PCT/US2018/036058)
[87] (WO2018/226694)
[30] US (62/515,435) 2017-06-05

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[13] A1
[51] **Int.Cl. G06K 9/46 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERFORMING SIMULTANEOUS LOCALIZATION AND MAPPING USING CONVOLUTIONAL IMAGE TRANSFORMATION**
[54] **PROCEDE ET SYSTEME PERMETTANT DE REALISER UN MAPPAGE ET UNE LOCALISATION SIMULTANES A L'AIDE D'UNE TRANSFORMATION D'IMAGE CONVOLUTIONNELLE**
[72] DETONE, DANIEL L., US
[72] MALISIEWICZ, TOMASZ JAN, US
[72] RABINOVICH, ANDREW, US
[71] MAGIC LEAP, INC., US
[85] 2019-12-04
[86] 2018-06-27 (PCT/US2018/039804)
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[51] **Int.Cl. B60G 9/00 (2006.01) B60G 7/00 (2006.01) B60G 11/62 (2006.01) F16F 1/38 (2006.01) F16F 1/387 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL SUSPENSION BUSHING**
[54] **MANCHON DE SUSPENSION MULTIFONCTION**
[72] HESTER, DONALD R., US
[72] FULTON, R. SCOTT, US
[72] LEONARD, ROSS, US
[72] ZIMMERMAN, RANDY J., US
[72] PATTERSON, JAMES J., US
[71] HENDRICKSON USA, L.L.C., US
[85] 2019-12-04
[86] 2018-08-16 (PCT/US2018/000300)
[87] (WO2019/036015)
[30] US (62/546,161) 2017-08-16

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) F16P 3/14 (2006.01)**
[25] EN
[54] **RIG OR WELLSITE SAFETY INTERVENTION**
[54] **INTERVENTION DE SECURITE D'APPAREIL DE FORAGE OU DE SITE DE FORAGE**
[72] HARSHBARGER, CHRIS, US
[71] FORUM US, INC., US
[85] 2019-12-04
[86] 2018-05-08 (PCT/US2018/031625)
[87] (WO2018/231375)
[30] US (15/624,984) 2017-06-16

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[13] A1
[51] **Int.Cl. A61F 7/00 (2006.01) A61B 5/00 (2006.01) A61B 5/024 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR THE THERMAL TREATMENT OF NEUROLOGIC AND PSYCHIATRIC DISORDERS**
[54] **PROCEDES ET APPAREILS POUR LE TRAITEMENT THERMIQUE DE TROUBLES NEUROLOGIQUES ET PSYCHIATRIQUES**
[72] NOFZINGER, ERIC A., US
[71] EBB THERAPEUTICS, INC., US
[85] 2019-12-04
[86] 2018-06-06 (PCT/US2018/036346)
[87] (WO2018/226889)
[30] US (62/515,992) 2017-06-06

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR TRACKING DRILLING EQUIPMENT**
[54] **PROCEDES ET SYSTEMES POUR LE TRACAGE DE MATERIEL DE FORAGE**
[72] HARSHBARGER, CHRIS, US
[72] RICHARD, SHANE, US
[72] ARBELAEZ, JUAN, US
[71] FORUM US, INC., US
[85] 2019-12-04
[86] 2018-05-10 (PCT/US2018/032102)
[87] (WO2018/231387)
[30] US (15/625,036) 2017-06-16

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[13] A1
[51] **Int.Cl. C09K 8/524 (2006.01) C09K 8/60 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **MITIGATION OF CONDENSATE BANKING USING SURFACE MODIFICATION**
[54] **ATTENUATION D'UNE ACCUMULATION DE CONDENSAT A L'AIDE D'UNE MODIFICATION DE SURFACE**
[72] SAYED, MOHAMMED, US
[72] LIANG, FENG, US
[72] OW, HOOISWENG, US
[72] COX, JASON, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-12-04
[86] 2018-07-18 (PCT/US2018/042657)
[87] (WO2019/018507)
[30] US (62/534,927) 2017-07-20

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01)**
[25] EN
[54] **PREDICTING AND OPTIMIZING DRILLING EQUIPMENT OPERATING LIFE USING CONDITION BASED MAINTENANCE**
[54] **PREDICTION ET OPTIMISATION DE LA DUREE DE VIE D'UN EQUIPEMENT DE FORAGE A L'AIDE D'UNE MAINTENANCE SELON L'ETAT**
[72] HARSHBARGER, CHRIS, US
[72] ARBELAEZ, JUAN, US
[72] RICHARD, SHANE, US
[72] GUERRA, GERARDO, US
[72] ATTARWALA, PINKESHKUMAR, US
[71] FORUM US, INC., US
[85] 2019-12-04
[86] 2018-05-11 (PCT/US2018/032224)
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[30] US (15/625,048) 2017-06-16

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[51] **Int.Cl. G06F 8/30 (2018.01) G06F 8/71 (2018.01) G06F 9/448 (2018.01) G06F 11/36 (2006.01)**
[25] EN
[54] **INTEGRATED SYSTEM FOR RULE EDITING, SIMULATION, VERSION CONTROL, AND BUSINESS PROCESS MANAGEMENT**
[54] **SYSTEME INTEGRE D'EDITION DE REGLES, DE SIMULATION, DE CONTROLE DE VERSION ET DE GESTION DE PROCESSUS COMMERCIAL**
[72] STUDER, SCOTT, US
[72] GOULD, JOEL, US
[72] WEISMAN, AMIT, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2019-12-04
[86] 2018-06-06 (PCT/US2018/036354)
[87] (WO2018/226895)
[30] US (62/515,845) 2017-06-06
[30] US (15/917,182) 2018-03-09

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[13] A1
[51] **Int.Cl. A61K 38/08 (2019.01) C07K 7/06 (2006.01)**
[25] EN
[54] **IMPROVED PHARMACOKINETICS AND CHOLECYSTOKININ-2 RECEPTOR (CCK2R) TARGETING FOR DIAGNOSIS AND THERAPY**
[54] **PHARMACOCINETIQUE ET CIBLAGE DU RECEPTEUR DE LA CHOLECYSTOKININE-2 (CCK2R) AMELIORES POUR LE DIAGNOSTIC ET LA THERAPIE**
[72] VON GUGGENBERG ZU RIEDHOFEN, ELISABETH, AT
[72] KLINGLER, MAXIMILIAN, AT
[71] MEDIZINISCHE UNIVERSITAT INNSBRUCK, AT
[85] 2019-12-04
[86] 2018-06-08 (PCT/EP2018/065206)
[87] (WO2018/224665)
[30] EP (17174973.2) 2017-06-08

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **INTRAMAMMARY VETERINARY COMPOSITION**
[54] **COMPOSITION VETERINAIRE INTRAMAMMAIRE**
[72] MOLINS ALBANELL, FRANCISCO JAVIER, IE
[72] SMITH, BRENDAN GERARD, IE
[72] GUPTA, SANDEEP, IE
[71] ZOETIS BROOMHILL IP LIMITED, IE
[85] 2019-12-04
[86] 2018-06-08 (PCT/EP2018/065230)
[87] (WO2018/224680)
[30] EP (17175215.7) 2017-06-09

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[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01) A61F 2/40 (2006.01)**
[25] EN
[54] **GLENOSPHERE WITH INSERTS FOR AUGMENTED FIXATION AND RELATED METHODS**
[54] **GLENOSPHERE AVEC INSERTS POUR FIXATION AUGMENTEE ET METHODES ASSOCIEES**
[72] FRANKLE, MARK A., US
[72] GUTIERREZ, SERGIO, US
[72] WILLIAMS, GERALD, US
[72] IANNOTTI, JOSEPH P., US
[71] ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL), US
[85] 2019-12-04
[86] 2018-06-28 (PCT/US2018/040141)
[87] (WO2019/006205)
[30] US (62/526,911) 2017-06-29

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[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **AN INTEGRATIVE PANOMIC APPROACH TO PHARMACOGENOMICS SCREENING**
[54] **APPROCHE PANOMIQUE INTEGRATIVE POUR LE CRIBLAGE PHARMACOGENOMIQUE**
[72] SCHWARTZ, CAMILLE R., US
[72] LITTLE, JOHN, US
[72] VASKE, CHARLES JOSEPH, US
[72] SANBORN, JOHN ZACHARY, US
[71] NANTOMICS, LLC, US
[85] 2019-12-04
[86] 2018-06-07 (PCT/US2018/036438)
[87] (WO2018/226941)
[30] US (62/517,022) 2017-06-08
[30] US (62/567,719) 2017-10-03

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VISUALIZING PATIENT POPULATION DISEASE SYMPTOM COMPARISON**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE VISUALISER UNE COMPARAISON DE SYMPTOMES DE MALADIE D'UNE POPULATION DE PATIENTS**
[72] ALBERT, MARC, US
[72] BOUCHER, GABRIEL, US
[72] MIAN, ALEC, US
[71] CURELATOR, INC., US
[85] 2019-12-04
[86] 2018-06-11 (PCT/US2018/036956)
[87] (WO2018/227207)
[30] US (62/517,552) 2017-06-09

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[51] **Int.Cl. C12M 3/06 (2006.01) B01L 3/00 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **FACTORY-ON-A-CHIP FOR PRODUCTION OF BIOLOGICALLY DERIVED MEDICINES/BIOPHARMACEUTICALS/BIOLOGICS/ BIOTHERAPEUTICS**
[54] **USINE SUR PUCE POUR LA PRODUCTION DE MEDICAMENTS/BIOPRODUITS/BIOPRODUITS BIOLOGIQUES/AGENTS BIOTHERAPEUTIQUES D'ORIGINE BIOLOGIQUE**
[72] RAO, GOVIND, US
[72] KOSTOV, YORDAN, US
[72] ANDAR, ABHAY, US
[72] AL-ADHAMI, MUSTAFA, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE COUNTY, US
[85] 2019-12-04
[86] 2018-06-07 (PCT/US2018/036375)
[87] (WO2018/226907)
[30] US (62/516,161) 2017-06-07

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[51] **Int.Cl. B26D 1/36 (2006.01) B26D 1/00 (2006.01) B26D 3/24 (2006.01) B26D 7/06 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **SIZE-REDUCTION MACHINE AND SIZE-REDUCTION UNIT THEREFOR**
[54] **MACHINE DE REDUCTION DE TAILLE ET UNITE DE REDUCTION DE TAILLE ASSOCIEE**
[72] BANOWETZ, DANIEL LAWRENCE, US
[72] KING, DANIEL WADE, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2019-12-04
[86] 2018-06-14 (PCT/US2018/037499)
[87] (WO2018/232091)
[30] US (62/519,227) 2017-06-14

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[13] A1
[51] **Int.Cl. G06T 7/10 (2017.01) G06T 7/11 (2017.01) G06K 9/20 (2006.01) G06K 9/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HYPERSPECTRAL IMAGE PROCESSING TO IDENTIFY OBJECT**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'IMAGE HYPERSPECTRALE POUR IDENTIFIER UN OBJET**
[72] NIPE, LARS GUSTAV MAGNUS, US
[72] RAMANAN, ABILASHA, US
[71] IMPACTVISION, INC., US
[85] 2019-12-04
[86] 2018-06-19 (PCT/US2018/038246)
[87] (WO2018/236844)
[30] US (62/521,950) 2017-06-19
[30] US (15/977,085) 2018-05-11

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/26 (2006.01)**
[25] EN
[54] **METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING ANTAGONISTIC BINDING PROTEINS FOR GASTRIC INHIBITORY PEPTIDE RECEPTOR (GIPR)/GLP-1 RECEPTOR AGONIST FUSION PROTEINS**
[54] **METHODE DE TRAITEMENT OU D'AMELIORATION DES TROUBLES METABOLIQUES A L'AIDE DE PROTEINES DE LIAISON ANTAGONISTES POUR PROTEINES DE FUSION AGONISTES DU RECEPTEUR DU PEPTIDE INHIBITEUR GASTRIQUE (GIPR)/RECEPTEUR GLP-1**
[72] WALKER, KENNETH W., US
[72] HOLDER, JERRY RYAN, US
[72] LLOYD, DAVID J., US
[72] LU, SHU-CHEN, US
[72] VENIANT-ELLISON, MURIELLE M., US
[72] STANISLAUS, SHANAKA, US
[71] AMGEN INC., US
[85] 2019-12-04
[86] 2018-06-20 (PCT/US2018/038634)
[87] (WO2018/237095)
[30] US (62/523,216) 2017-06-21

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[13] A1
[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **IMPROVED THICK WROUGHT 7XXX ALUMINUM ALLOYS, AND METHODS FOR MAKING THE SAME**
[54] **ALLIAGES D'ALUMINIUM 7XXX CORROYES EPAIS PERFECTIONNES ET LEURS PROCEDES DE PRODUCTION**
[72] BOSELLI, JULIEN, US
[72] BRAY, GARY H., US
[72] YANAR, CAGATAY, US
[72] KARABIN, LYNETTE M., US
[72] CAMBIER, SEVERINE, US
[72] BOVARD, FRANCINE S., US
[72] LIN, JEN C., US
[71] ARCONIC INC., US
[85] 2019-12-04
[86] 2018-06-21 (PCT/US2018/038838)
[87] (WO2018/237196)
[30] US (62/523,128) 2017-06-21
[30] US (62/571,401) 2017-10-12

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) G01N 35/00 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **AUTOMATED CELL PROCESSING METHODS, MODULES, INSTRUMENTS, AND SYSTEMS**
[54] **PROCEDES, MODULES, INSTRUMENTS ET SYSTEMES DE TRAITEMENT AUTOMATISE DE CELLULES**
[72] MASQUELIER, DON, US
[72] BELGRADER, PHILLIP, US
[72] BERNATE, JORGE, US
[72] GILL, RYAN, US
[72] NESS, KEVIN, US
[71] INSCRIPTA, INC., US
[85] 2019-12-04
[86] 2018-06-30 (PCT/US2018/040519)
[87] (WO2019/006436)
[30] US (62/649,731) 2018-03-29
[30] US (62/527,339) 2017-06-30
[30] US (62/551,069) 2017-08-28
[30] US (62/566,374) 2017-09-30
[30] US (62/566,375) 2017-09-30
[30] US (62/566,688) 2017-10-02
[30] US (62/567,697) 2017-10-03
[30] US (62/620,370) 2018-01-22
[30] US (62/648,130) 2018-03-26
[30] US (62/657,651) 2018-04-13
[30] US (62/657,654) 2018-04-13
[30] US (62/671,385) 2018-05-14
[30] US (62/689,068) 2018-06-20

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[13] A1
[51] **Int.Cl. G06F 16/22 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CREATION AND DELETION OF TENANTS WITHIN A DATABASE**
[54] **SYSTEMS ET PROCEDES DE CREATION ET DE SUPPRESSION DE LOCATAIRES DANS UNE BASE DE DONNEES**
[72] MARTIN, JAMEISON BEAR, US
[72] WYATT, NATHANIEL, US
[72] BAKER, GARY J., US
[72] SPALTEN, RANDY, US
[71] SALESFORCE.COM, INC., US
[85] 2019-12-04
[86] 2018-06-26 (PCT/US2018/039452)
[87] (WO2019/005761)
[30] US (15/634,786) 2017-06-27

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[13] A1
[51] **Int.Cl. G06F 11/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF RESTORING A DATASET OF A DATABASE FOR A POINT IN TIME**
[54] **SYSTEMES ET PROCEDES DE RESTAURATION D'UN ENSEMBLE DE DONNEES D'UNE BASE DE DONNEES POUR UN POINT DANS LE TEMPS**
[72] MARTIN, JAMEISON BEAR, US
[72] WYATT, NATHANIEL, US
[72] HELLAND, PATRICK JAMES, US
[72] FANGHAENEL, THOMAS, US
[72] CHONG, TERRY, US
[72] CHATTERJEE, SUBHO SANJAY, US
[71] SALESFORCE.COM, INC., US
[85] 2019-12-04
[86] 2018-06-26 (PCT/US2018/039457)
[87] (WO2019/005766)
[30] US (15/634,796) 2017-06-27

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[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) H04L 12/18 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPLAYING AN ASSET OF AN INTERACTIVE ELECTRONIC TECHNICAL PUBLICATION SYNCHRONOUSLY IN A PLURALITY OF EXTENDED REALITY DISPLAY DEVICES**
[54] **SYSTEME ET PROCEDE PERMETTANT D'AFFICHER UN BIEN D'UNE PUBLICATION TECHNIQUE ELECTRONIQUE INTERACTIVE DE MANIERE SYNCHRONE DANS UNE PLURALITE DE DISPOSITIFS D'AFFICHAGE A REALITEETENDUE**
[72] GUERIN, CHARLES L., CA
[71] 2689090 CANADA INC., CA
[85] 2019-12-05
[86] 2018-06-05 (PCT/CA2018/050672)
[87] (WO2018/223229)
[30] US (62/515,127) 2017-06-05

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[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) A61F 13/15 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) B32B 27/40 (2006.01)**
[25] EN
[54] **MULTILAYER BREATHABLE FILMS AND LAMINATES INCLUDING THE SAME**
[54] **FILMS MULTICOUCHES RESPIRANTS ET STRATIFIES EN COMPRENANT**
[72] ZHAO, RONGGUO, US
[72] FU, LINDA, CN
[72] ZAIKOV, VADIM, US
[72] FARELL, GREGORY WAGNER, US
[71] BERRY GLOBAL, INC., US
[85] 2019-12-04
[86] 2018-06-26 (PCT/US2018/039527)
[87] (WO2019/005814)
[30] US (62/525,883) 2017-06-28

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[13] A1
[51] **Int.Cl. B60L 1/08 (2006.01) B60L 1/04 (2006.01) B60L 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATED BATTERY CHARGING AND PROPULSION IN PLUG-IN ELECTRIC VEHICLES**
[54] **SYSTEME ET PROCEDE DE CHARGE ET DE PROPULSION DE BATTERIE INTEGREE DANS DES VEHICULES ELECTRIQUES ENFICHABLES**
[72] IYER, K. LAKSHMI VARAHA, CA
[72] STEINMAIR, GERNOT, AT
[72] SINKULAR, JASMIN JIJINA, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2019-11-29
[86] 2018-06-01 (PCT/US2018/035633)
[87] (WO2018/223017)
[30] US (62/514,298) 2017-06-02
[30] US (62/651,959) 2018-04-03
[30] US (62/652,003) 2018-04-03

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[13] A1
[51] **Int.Cl. B23K 26/364 (2014.01) C23C 22/56 (2006.01) C23C 22/82 (2006.01)**
[25] EN
[54] **PREPARATION METHODS FOR ADHESIVE BONDING OF 7XXX ALUMINUM ALLOYS, AND PRODUCTS RELATING TO THE SAME**
[54] **PROCEDES DE PREPARATION PERMETTANT LA LIAISON ADHESIVE D'ALLIAGES EN ALUMINIUM 7XXX, ET PRODUITS ASSOCIES AUXDITS PROCEDES**
[72] EPP, JUNE M., US
[72] UNAL, ALI, US
[71] ARCONIC INC., US
[85] 2019-12-04
[86] 2018-06-27 (PCT/US2018/039789)
[87] (WO2019/005989)
[30] US (62/526,247) 2017-06-28

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[13] A1
[51] **Int.Cl. C07D 215/18 (2006.01) A61K 31/47 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED QUINOLINYCYCLOHEXYLPROPANAMIDE COMPOUNDS AND IMPROVED METHODS FOR THEIR PREPARATION**
[54] **COMPOSES QUINOLINYCYCLOHEXYLPROPANAMIDE SUBSTITUES ET PROCEDES AMELIORES POUR LEUR PREPARATION**
[72] DELMONTE, ALBERT J., US
[72] COHEN, BENJAMIN M., US
[72] FRAUNHOFFER, KENNETH JOSEPH, US
[72] KOLOTUCHIN, SERGEI, US
[72] GONZALEZ-BOBES, FRANCISCO, US
[72] BEUTNER, GREGORY LOUIS, US
[72] FREITAG, ADAM JOSEPH, US
[72] BULTMAN, MICHAEL SCOTT, US
[72] FAN, YU, US
[72] MAITY, PRANTIK, IN
[72] YOUNG, IAN SCOTT, US
[72] BECK, HILARY PLAKE, US
[72] OSIPOV, MAKSIM, US
[72] POWERS, JAY PATRICK, US
[72] REILLY, MAUREEN KAY, US
[72] SHUNATONA, HUNTER PAUL, US
[72] WALKER, JAMES ROSS, US
[72] ZIBINSKY, MIKHAIL, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2019-12-04
[86] 2018-06-29 (PCT/US2018/040276)
[87] (WO2019/006292)
[30] US (62/527,821) 2017-06-30
[30] US (62/527,835) 2017-06-30
[30] US (62/649,155) 2018-03-28

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[13] A1
[51] **Int.Cl. B60T 13/26 (2006.01) B60T 13/68 (2006.01)**
[25] EN
[54] **AIR ACTUATED BRAKE SYSTEM**
[54] **SYSTEME DE FREIN PNEUMATIQUE**
[72] FULTON, R. SCOTT, US
[72] HESTER, DONALD R., US
[72] NAPLES, BENEDETTO A., US
[72] KARICH, MATTHEW P., US
[71] HENDRICKSON USA, L.L.C., US
[85] 2019-12-04
[86] 2018-08-09 (PCT/US2018/046007)
[87] (WO2019/036276)
[30] US (62/544,951) 2017-08-14

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[13] A1
[51] **Int.Cl. B60G 7/00 (2006.01)**
[25] EN
[54] **BEAM FOR SUSPENSION ASSEMBLIES OF HEAVY-DUTY VEHICLE AXLE/SUSPENSION SYSTEMS**
[54] **POUTRE POUR ENSEMBLES DE SUSPENSION DE SYSTEMES D'ESSIEU/DE SUSPENSION DE VEHICULE DU TYPE POIDS-LOURD**
[72] NAPLES, BENEDETTO A., US
[72] HESTER, DONALD R., US
[71] HENDRICKSON USA, L.L.C., US
[85] 2019-12-04
[86] 2018-08-10 (PCT/US2018/046236)
[87] (WO2019/036293)
[30] US (62/544,942) 2017-08-14

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[13] A1
[51] **Int.Cl. B60G 7/00 (2006.01) B60G 9/00 (2006.01)**
[25] EN
[54] **SUSPENSION ASSEMBLY WITH DISC BRAKE ACTUATOR PROTECTION**
[54] **ENSEMBLE DE SUSPENSION AVEC PROTECTION D'ACTIONNEUR DE FREIN A DISQUE**
[72] HESTER, DONALD R., US
[72] NAPLES, BENEDETTO A., US
[71] HENDRICKSON USA, L.L.C., US
[85] 2019-12-04
[86] 2018-08-13 (PCT/US2018/046472)
[87] (WO2019/036354)
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[54] **IMPROVEMENTS IN HISTOLOGICAL TISSUE SPECIMEN PROCESSING**
[54] **AMELIORATIONS DANS LE TRAITEMENT DES SPECIMENS DE TISSUS HISTOLOGIQUES**
[72] SEARS, GORDON, AU
[72] DRUMMOND, MICHAEL HOUSTON, AU
[72] OH-AINLE, DONNCHADH, AU
[71] LEICA BIOSYSTEMS MELBOURNE PTY LTD, AU
[85] 2019-12-05
[86] 2018-08-22 (PCT/AU2018/050892)
[87] (WO2019/036760)
[30] US (62/548,638) 2017-08-22

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[54] **A FLUID TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT DE FLUIDE**
[72] MIODUSZEWSKI, ZBIGNIEW, AU
[72] RIDGWAY, AARON, AU
[72] KING, MATTHEW, AU
[72] HELLARD, BLAKE, AU
[71] LEICA BIOSYSTEMS MELBOURNE PTY LTD, AU
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[30] AU (2017905115) 2017-12-21

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[25] EN
[54] **OXYTOCIN COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'OCYTOCINE ET METHODES D'UTILISATION**
[72] CARSON, DEAN S., US
[72] PENTOPOULOS, MARC, US
[71] KATANA PHARMACEUTICALS, INC., US
[85] 2019-12-04
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[87] (WO2019/199704)
[30] US (62/654,776) 2018-04-09
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[54] **RESEAU DE BORD POUR SERVICES DE CONSTRUCTION**
[72] PATTERSON, THOMAS ALAN, US
[72] MULPURI, RAO, US
[72] TRIKHA, NITESH, US
[72] BROWN, STEPHEN CLARK, US
[72] SHRIVASTAVA, DHAIRYA, US
[72] ROZBICKI, ROBERT T., US
[71] VIEW, INC., US
[85] 2019-12-04
[86] 2019-05-02 (PCT/US2019/030467)
[87] (WO2019/213441)
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[25] EN
[54] **NUCLEIC ACID RATIO DETERMINATION**
[54] **DETERMINATION DE RAPPORT D'ACIDE NUCLEIQUE**
[72] TODD, ALISON VELYIAN, AU
[72] LIMA, NICOLE ELIZABETH, AU
[71] SPEEDX PTY LTD, AU
[85] 2019-12-05
[86] 2018-12-21 (PCT/AU2018/051406)
[87] (WO2019/119072)
[30] AU (2017905138) 2017-12-21

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[25] EN
[54] **MULTI-PARAMETER DISTRIBUTED FIBER OPTIC SENSOR SYSTEM AND METHODS OF SENSOR MANUFACTURING**
[54] **SYSTEME DE CAPTEUR A FIBRE OPTIQUE DISTRIBUE MULTIPARAMETRE ET PROCEDES DE FABRICATION DE CAPTEUR**
[72] ALEMOHAMMAD, HAMID, CA
[72] LIANG, RICHARD, CA
[72] AZHARI, AMIR, CA
[71] ADVANCED OPTO-MECHANICAL SYSTEMS AND TECHNOLOGIES INC., CA
[85] 2019-12-05
[86] 2018-06-12 (PCT/CA2018/050697)
[87] (WO2018/227281)
[30] US (62/518,101) 2017-06-12

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[51] **Int.Cl. F16C 11/06 (2006.01) F16C 11/08 (2006.01)**
[25] EN
[54] **JOINT ASSEMBLY**
[54] **ENSEMBLE JOINT**
[72] LORENSON, TROY, CA
[72] LEROUX, KEVIN, CA
[72] PARENTEAU, DWAYNE, CA
[71] IMPULSE DOWNHOLE SOLUTIONS LTD., CA
[85] 2019-12-05
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[25] EN
[54] **METHODS FOR PREPARING SUPERHYDROPHOBIC NANO-MICROSCALE PATTERNED FILMS**
[54] **PROCEDES DE PREPARATION DE FILMS SUPERHYDROPHOBES A MOTIFS AUX ECHELLES NANOMETRIQUE ET MICROMETRIQUE**
[72] MARTINEZ-RUBI, YADIENKA, CA
[72] DENOMMEE, STEPHANE, CA
[72] CHENG, FUYONG, CA
[72] KIM, KEUN SU, CA
[72] SIMARD, BENOIT, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2019-12-05
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[25] EN
[54] **SENSOR BAND FOR MULTIMODAL SENSING OF BIOMETRIC DATA**
[54] **BANDE DE CAPTEUR POUR DETECTION MULTIMODALE DE DONNEES BIOMETRIQUES**
[72] STRAKA, ADRIAN, CA
[72] YANG, JIWON, CA
[72] PARTH, JAIN, CA
[72] KLIBANOV, MARK, CA
[72] ZHENG, MICHELLE, CA
[72] STEFAN, GABRIEL, CA
[72] NEALIS, MONICA, CA
[72] ALIZADEH-MEGHRAZI, MILAD, CA
[71] MYANT INC., CA
[85] 2019-12-05
[86] 2018-06-06 (PCT/CA2018/000113)
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[25] EN
[54] **BEVERAGE COMPONENT IN THE FORM OF A MICRONIZED FRUIT PULP**
[54] **COMPOSANT DE BOISSON SOUS FORME D'UNE PULPE DE FRUIT MICRONISEE**
[72] OSHMARINA, INNA, UA
[72] FUNTIKOVA, YULIA, RU
[72] NECHAENKO, ALEKSANDR, RU
[72] BLIADZE, VLADIMIR, RU
[71] TROPICANA PRODUCTS, INC., US
[85] 2019-12-05
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
[86] 2017-06-08 (PCT/CN2017/087630)
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[54] **IMPROVED FOAM FORMULATION**
[54] **FORMULATION DE MOUSSE PERFECTIONNEE**
[72] YUAN, HUIJUN-PARK, CN
[72] YU, BIN, US
[72] LING, YIU KEUNG, US
[72] WILLIAMS, DAVID, US
[71] HONEYWELL INTERNATIONAL INC., US
[85] 2019-12-05
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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/02 (2009.01)**
[25] EN
[54] **BANDWIDTH PART CONFIGURATION METHOD, NETWORK DEVICE, AND TERMINAL**
[54] **PROCEDE DE CONFIGURATION DE PARTIE DE BANDE PASSANTE, DISPOSITIF RESEAU ET TERMINAL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES ET DISPOSITIF DE TERMINAL**
[72] CHEN, WENHONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **SIGNAL PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAUX**
[72] CHEN, WENHONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
[86] 2017-09-14 (PCT/CN2017/101747)
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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF IMMUNE THROMBOCYTOPENIA**
[54] **METHODE DE TRAITEMENT DE LA THROMBOCYTOPENIE IMMUNITAIRE**
[72] LLEDO-GARCIA, ROCIO, GB
[72] LANGDON, GRANT, GB
[72] KIESSLING, CLAUS PETER, DE
[72] SNIPES, ROSE GUNTER, US
[72] MASSOW, UTE, DE
[71] UCB BIOPHARMA SRL, BE
[85] 2019-12-05
[86] 2018-06-15 (PCT/EP2018/065947)
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[30] GB (1709554.8) 2017-06-15
[30] GB (1718589.3) 2017-11-10

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[51] **Int.Cl. A45D 34/04 (2006.01) A61M 35/00 (2006.01) G01F 11/02 (2006.01)**
[25] EN
[54] **DISPENSING CONTAINER**
[54] **RECIPIENT DE DISTRIBUTION**
[72] BRUGGER, GERHARD, AT
[72] ESTEVE, VICTOR, BR
[71] EMPHASYS IMPORTADORA EXPORTADORA E DISTRIBUIDORA LTDA., BR
[71] BRUGGER, GERHARD, AT
[85] 2019-12-05
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[51] **Int.Cl. E05F 3/08 (2006.01) E05F 3/20 (2006.01)**
[25] EN
[54] **A HYDRAULICALLY DAMPED ACTUATOR**
[54] **ACTIONNEUR A AMORTISSEMENT HYDRAULIQUE**
[72] TALPE, JOSEPH, BE
[71] LOCINOX, BE
[85] 2019-12-05
[86] 2018-03-22 (PCT/EP2018/057381)
[87] (WO2018/228729)
[30] EP (PCT/EP2017/064840) 2017-06-16
[30] EP (17200017.6) 2017-11-03

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[51] **Int.Cl. F01D 5/28 (2006.01) C23C 4/04 (2006.01)**
[25] FR
[54] **COATED TURBOMACHINE PART AND ASSOCIATED METHOD OF PRODUCTION**
[54] **PIECE DE TURBOMACHINE REVETUE ET PROCEDE DE FABRICATION ASSOCIE**
[72] BIANCHI, LUC, FR
[72] JOULIA, AURELIEN, FR
[72] BERNARD, BENJAMIN DOMINIQUE ROGER JOSEPH, FR
[71] SAFRAN, FR
[85] 2019-12-05
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[51] **Int.Cl. A61M 5/142 (2006.01)**
[25] EN
[54] **PATCH PUMP**
[54] **POMPE PATCH**
[72] STAUB, SELINE, CH
[72] BURI, THOMAS, CH
[72] HOSTETTLER, PATRICK, CH
[72] STECK, JURG, CH
[72] HOFER, CHRISTOPHE, CH
[72] KOHLI, ANDREAS, CH
[72] KUHNI, FLORIAN, CH
[72] LABUDDE, MARC, CH
[72] LEUZINGER, THOMAS, CH
[72] STREIT, URSINA, CH
[71] TECPHARMA LICENSING AG, CH
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[86] 2018-07-17 (PCT/IB2018/055271)
[87] (WO2019/034943)
[30] EP (17186867.2) 2017-08-18

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[51] **Int.Cl. A43D 3/14 (2006.01) A43D 1/02 (2006.01) A43D 3/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A DEVICE FOR ADAPTING A FOOTWEAR TO THE SPECIFIC DEFORMATIONS OF THE FOOT OF A USER AND DEVICE**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF D'ADAPTATION D'UNE CHAUSSURE AUX DEFORMATIONS SPECIFIQUES DU PIED D'UN UTILISATEUR ET DISPOSITIF**
[72] PEGUERO LORENZ, ANGEL, ES
[72] GOMEZ BERNAL, ANTONIO, ES
[72] ALFARO SANTAFE, JOSE VICTOR, ES
[72] LANUZA CERZOCIMO, CARLA, ES
[72] ALFARO SANTAFE, JOSE JAVIER, ES
[71] PODO ACTIVA, S.L., ES
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[30] EP (17382342.8) 2017-06-07

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[51] **Int.Cl. A44C 7/00 (2006.01)**
[25] EN
[54] **OVERHANGING JAW CARTRIDGE FOR BODY PIERCING INSTRUMENT**
[54] **CARTOUCHE A MACHOIRE EN SAILLIE POUR INSTRUMENT DE PERCAGE CORPOREL**
[72] REIL, GORAN, US
[72] REIL, VLADIMIR, US
[71] REIL, GORAN, US
[85] 2019-11-27
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[30] US (15/611,658) 2017-06-01

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[51] **Int.Cl. G01N 33/68 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING THE USEFULNESS OF DISEASE SPECIFIC AMINO ACID MODIFICATIONS FOR IMMUNOTHERAPY**
[54] **PROCEDES DE PREDICTION DE L'UTILITE DE MODIFICATIONS D'ACIDES AMINES SPECIFIQUES D'UNE MALADIE POUR L'IMMUNOTHERAPIE**
[72] SAHIN, UGUR, DE
[71] BIONTECH RNA PHARMACEUTICALS GMBH, DE
[85] 2019-12-05
[86] 2018-06-01 (PCT/EP2018/064468)
[87] (WO2018/224405)
[30] EP (PCT/EP2017/064140) 2017-06-09

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[51] **Int.Cl. E21B 7/18 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **A LONG-DISTANCE DRILLING AND HYDROFRACTURING INTEGRATED DEVICE AND METHOD IN UNDERGROUND MINE**
[54] **APPAREIL INTEGRE ET PROCEDE DE FORAGE ET DE FRACTURATION DE FOND DE TROU A LONGUE DISTANCE**
[72] HUANG, BINGXIANG, CN
[72] LI, HAOZE, CN
[72] CHEN, SHULIANG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2019-12-05
[86] 2018-05-11 (PCT/CN2018/086474)
[87] (WO2019/169734)
[30] CN (201810194257.3) 2018-03-09

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[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/30 (2015.01) A61K 35/36 (2015.01)**
[25] EN
[54] **CELL COMPOSITION, METHOD OF PRODUCTION AND ITS USE IN CORNEAL DISEASES**
[54] **COMPOSITION CELLULAIRE, PROCEDE DE PRODUCTION ET SON UTILISATION DANS DES MALADIES CORNEENNES**
[72] BASU, SAYAN, IN
[72] SINGH, VIVEK, IN
[71] HYDERABAD EYE RESEARCH FOUNDATION, IN
[71] HYDERABAD EYE INSTITUTE, IN
[85] 2019-12-05
[86] 2018-06-09 (PCT/IB2018/054183)
[87] (WO2018/225042)
[30] IN (201741020290) 2017-06-09

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[51] **Int.Cl. A61K 35/745 (2015.01) A61K 35/747 (2015.01) A61K 9/00 (2006.01)**
[25] EN
[54] **MICROBIAL COMPOSITIONS**
[54] **COMPOSITIONS MICROBIENNES**
[72] BJORKLUND, MALIN, SE
[72] RUDOLFSSON, JENNY, SE
[71] PROBI AB, SE
[85] 2019-12-05
[86] 2018-06-05 (PCT/EP2018/064796)
[87] (WO2018/224509)
[30] GB (1708932.7) 2017-06-05

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[51] **Int.Cl. A61K 35/68 (2006.01) A61P 31/00 (2006.01) A61P 31/06 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEOSPORA FOR USE IN TREATING CANCER AND INFECTIOUS DISEASES**
[54] **NEOSPORA POUR UTILISATION DANS LE TRAITEMENT DU CANCER ET DE MALADIES INFECTIEUSES**
[72] DIMIER-POISSON, ISABELLE, FR
[72] MEVELEC, MARIE-NOELLE, FR
[72] DUCOURNAU, CELINE, FR
[72] MOIRE, NATHALIE, FR
[72] MCCRAE, RICHARD, CA
[71] UNIVERSITE DE TOURS, FR
[71] KYMERIS THERAPEUTICS INC., CA
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR
[85] 2019-12-05
[86] 2018-06-08 (PCT/EP2018/065179)
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[30] EP (17305700.1) 2017-06-09

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[13] A1
[51] **Int.Cl. C08J 5/18 (2006.01) B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) A01F 15/07 (2006.01)**
[25] EN
[54] **NEW NET REPLACEMENT FILM**
[54] **NOUVEAU FILM DE REMPLACEMENT DE FILET**
[72] MATTSSON, ROBERT, SE
[71] TRIOPLAST AB, SE
[85] 2019-12-05
[86] 2018-06-21 (PCT/EP2018/066584)
[87] (WO2018/234449)
[30] EP (17177314.6) 2017-06-22

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[51] **Int.Cl. A61K 38/28 (2006.01) A61K 39/395 (2006.01) C07K 16/40 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HYPERLIPIDEMIA IN DIABETIC PATIENTS BY ADMINISTERING A PCSK9 INHIBITOR**
[54] **METHODES DE TRAITEMENT DE L'HYPERLIPIDEMIE CHEZ DES PATIENTS DIABETIQUES PAR ADMINISTRATION D'UN INHIBITEUR DE PCSK9**
[72] BUJAS-BOBANOVIC, MAJA, FR
[71] SANOFI BIOTECHNOLOGY, FR
[85] 2019-12-05
[86] 2018-06-09 (PCT/IB2018/054182)
[87] (WO2018/225041)
[30] US (62/517,672) 2017-06-09
[30] US (62/532,162) 2017-07-13
[30] EP (18305565.6) 2018-05-04

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[51] **Int.Cl. H04H 60/31 (2009.01) H04H 60/33 (2009.01) H04H 60/45 (2009.01) H04H 60/66 (2009.01)**
[25] EN
[54] **METHOD, APPARATUS, COMPUTER PROGRAM AND SYSTEM FOR DETERMINING INFORMATION RELATED TO THE AUDIENCE OF AN AUDIO-VISUAL CONTENT PROGRAM**
[54] **PROCEDE, APPAREIL, PROGRAMME INFORMATIQUE ET SYSTEME DE DETERMINATION D'INFORMATIONS RELATIVES AU PUBLIC D'UN PROGRAMME DE CONTENU AUDIOVISUEL**
[72] KRAUSS, CHRISTOPHER, DE
[72] SEELIGER, ROBERT, DE
[72] ARBANOWSKI, STEFAN, DE
[72] DUERAGER, ANDREA, AT
[72] REISSER, LUKAS, AT
[72] HINTERSTOISSER, SEBASTIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] RED BULL GMBH, AT
[85] 2019-12-05
[86] 2018-06-22 (PCT/EP2018/066769)
[87] (WO2018/234548)
[30] EP (17193940.8) 2017-09-29

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[51] **Int.Cl. B60B 11/00 (2006.01) B62D 55/06 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR A TOWED VEHICLE**
[54] **SYSTEME DE CHENILLES POUR VEHICULE TRACTE**
[72] SAUVAGEAU, YVES, CA
[72] LAFLAMME, FRANCOIS, CA
[72] NANAC, BRANISLAV, CA
[72] GAUTHIER, PATRICK, CA
[72] HALSTEAD, ERIC, CA
[72] NADEAU, MARC, CA
[72] MARTINEAU-ROUSSEAU, PHILIPPE, CA
[72] BARRY, DAVID, CA
[71] SOUCY INTERNATIONAL INC., CA
[85] 2019-12-05
[86] 2018-07-11 (PCT/IB2018/055123)
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[30] US (62/530,937) 2017-07-11

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[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PREVENTION OF FORMATION OF SEDIMENTS OF PARAFFIN AND ASPHALTENES DEPOSITS IN THE PIPELINE**
[54] **DISPOSITIF ET PROCEDE DE PREVENTION DE LA FORMATION DE SEDIMENTS DE DEPOTS DE PARAFFINE ET D'ASPHALTENES DANS UNE CANALISATION**
[72] DRVAR, ANTUN, HR
[71] DRVAR, ANTUN, HR
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[54] **PELLICULE POUR APPLICATION TOPIQUE DANS LE TRAITEMENT DE LESIONS CUTANEES ET PROCEDE POUR SON OBTENTION ET SON APPLICATION**
[72] SOBREIRA CORREIA, ILIDIO JOAQUIM, PT
[72] FERREIRA MOREIRA, ANDRE, PT
[72] DA ROCHA COSTA, ELISABETE CRISTINA, PT
[72] DE MELO DIOGO, DUARTE MIGUEL, PT
[72] PEREIRA MIGUEL, SONIA ALEXANDRA, PT
[71] UNIVERSIDADE DA BEIRA INTERIOR, PT
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[54] **MAGNETIC SELF-LOCKING FASTENING DEVICE WITH REMOTE RELEASE**
[54] **DISPOSITIF DE FIXATION A AUTO-VERROUILLAGE MAGNETIQUE A LIBERATION A DISTANCE**
[72] CHORNY, JAROSLAV, CA
[71] CHORNY, JAROSLAV, CA
[85] 2019-11-18
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[54] **SYSTEMS AND METHODS OF CONTENT TRANSACTION CONSENSUS**
[54] **SYSTEMES ET PROCEDES DE CONSENSUS DE TRANSACTIONS DE CONTENU**
[72] O'HANLON, FINBAR, AU
[72] RICHARDSON, CHRISTOPHER W., CZ
[72] CAMPION, GAVIN, AU
[71] LINIUS (AUST) PTY LTD., AU
[85] 2019-12-05
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[54] **A TUBE STRUCTURE AND A METHOD FOR MANUFACTORING A TUBE STRUCTURE**
[54] **STRUCTURE DE TUBE ET PROCEDE DE FABRICATION D'UNE STRUCTURE DE TUBE**
[72] HEDBLOM, ERIKA, SE
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2019-12-05
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[54] **METHOD FOR PRODUCING CELL LAMINATE**
[54] **PROCEDE DE PRODUCTION DE STRATIFIE DE CELLULES**
[72] NISHINO, MASAFUMI, JP
[72] ITO, KOJU, JP
[72] MIMA, SHINJI, JP
[72] MIYOSHI, HAYATO, JP
[71] FUJIFILM CORPORATION, JP
[85] 2019-12-05
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[54] **CHEMICAL COMPOUNDS AS ATF4 PATHWAY INHIBITORS**
[54] **COMPOSES CHIMIQUES UTILISES COMME INHIBITEURS DE LA VOIE ATF4**
[72] AXTEN, JEFFREY MICHAEL, US
[72] DEMARTINO, MICHAEL P., US
[72] EVANS, KAREN ANDERSON, US
[72] RALPH, JEFFREY M, US
[72] KALITA, BISWAJIT, IN
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[54] **IMPROVED DETECTION OF FRAUDULENT TRANSACTIONS**
[54] **DETECTION AMELIOREE DE TRANSACTIONS FRAUDULEUSES**
[72] KNUTSSON, ALBERT, BE
[72] CHIZI, BARAK, BE
[71] KBC GROEP NV, BE
[85] 2019-12-05
[86] 2018-06-18 (PCT/EP2018/066101)
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[54] **IMPROVED DOOR LATCH**
[54] **SERRURE DE PORTE AMELIOREE**
[72] KENNY, PHILIP RICHARD, NZ
[71] CAVITY SLIDERS LIMITED, NZ
[85] 2019-12-05
[86] 2018-06-21 (PCT/IB2018/054568)
[87] (WO2019/003061)
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[25] EN
[54] **NI-BASED ALLOY PIPE FOR NUCLEAR POWER**
[54] **TUYAU D'ALLIAGE A BASE DE NI, DE QUALITE NUCLEAIRE**
[72] TAKEDA, KIYOKO, JP
[72] OKADA, HIROKAZU, JP
[72] MIYAHARA, OSAMU, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2019-12-05
[86] 2018-06-07 (PCT/JP2018/021909)
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[25] EN
[54] **MICROCHANNEL DEVICE**
[54] **DISPOSITIF DE MICRO-CIRCUIT FLUIDIQUE**
[72] OBA, TAKAHIRO, JP
[72] WAKABAYASHI, AKIRA, JP
[72] ITO, KOJU, JP
[71] FUJIFILM CORPORATION, JP
[85] 2019-12-05
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[54] **VACCINE FOR TREATING A MALIGNANCY**
[54] **VACCIN POUR TRAITER UNE TUMEUR MALIGNE**
[72] WURFEL, WOLFGANG, DE
[71] INTELLEXON GMBH, DE
[85] 2019-12-05
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[54] **FOOD OR BEVERAGE WITH INCREASED SWEETNESS**
[54] **BOISSON OU ALIMENT DONT LE GOUT SUCRE EST AMPLIFIE**
[72] OHKURI TADAHIRO, JP
[72] FUJIE AKIKO, JP
[72] YOKOO YOSHIAKI, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2019-12-05
[86] 2018-06-07 (PCT/JP2018/021842)
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[54] **MAP DATA CORRECTING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CORRECTION DE DONNEES DE CARTE**
[72] FUJITA, SUSUMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-05
[86] 2017-06-07 (PCT/JP2017/021189)
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[54] **AUSTENITIC ALLOY PIPE AND METHOD FOR PRODUCING SAME**
[54] **TUYAU EN ALLIAGE AUSTENITIQUE ET SON PROCEDE DE PRODUCTION**
[72] UEYAMA, MASAKI, JP
[72] TOMIO, YUSAKU, JP
[72] SUZUKI, YUHEI, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] **ATTACHMENT FOR MACHINING APPARATUS**
[54] **ACCESSOIRE POUR APPAREIL D'USINAGE**
[72] MATSUO, SHINYA, JP
[72] NAKAHATA, TATSUO, JP
[72] WATANABE, MASAO, JP
[71] SUBARU CORPORATION, JP
[85] 2019-12-05
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[54] **SYSTEM AND METHOD FOR ASYNCHRONOUS MULTI-MODE MESSAGING**
[54] **SYSTEME ET PROCEDE DE MESSAGERIE MULTIMODE ASYNCHRONE**
[72] GRAYLIN, WILLIAM WANG, US
[72] SIMA, BOGDAN, US
[72] SUN, PICHRACHANA, US
[72] MOLLOY, ANDREW, US
[71] OV LOOP, INC., US
[85] 2019-12-05
[86] 2018-05-31 (PCT/US2018/035274)
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[25] EN
[54] **PHOTOCHROMIC POLYROTAXANE COMPOUND AND CURABLE COMPOSITION COMPRISING THE PHOTOCHROMIC POLYROTAXANE COMPOUND**
[54] **COMPOSE DE POLYROTAXANE PHOTOCHROMIQUE ET COMPOSITION DURCISSABLE CONTENANT LEDIT COMPOSE DE POLYROTAXANE PHOTOCHROMIQUE**
[72] TAKENAKA, JUNJI, JP
[72] MOMODA, JUNJI, JP
[72] KAWASAKI, TAKAYOSHI, JP
[72] NOGUCHI, TAKAO, JP
[72] SHIMIZU, YASUTOMO, JP
[72] MIYAZAKI, MASAYUKI, JP
[71] TOKUYAMA CORPORATION, JP
[85] 2019-12-05
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[25] EN
[54] **METHODS FOR ENHANCING HYDROCARBON PRODUCTION FROM SUBTERRANEAN FORMATIONS USING ELECTRICALLY CONTROLLED PROPELLANT**
[54] **PROCEDES PERMETTANT D'AMELIORER LA PRODUCTION D'HYDROCARBURES PRESENTS DANS DES FORMATIONS SOUTERRAINES A L'AIDE D'UN AGENT PROPULSEUR COMMANDE ELECTRIQUEMENT**
[72] NGUYEN, PHILIP D., US
[72] SALAMAT, GOLCHEHREH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-05
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[51] **Int.Cl. H01L 27/146 (2006.01) H01L 23/00 (2006.01) H01L 23/48 (2006.01)**
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[54] **SENSOR SYSTEM**
[54] **SYSTEME DE CAPTEUR**
[72] FUNG, TRACY HELEN, US
[72] TRAN, HAI QUANG, US
[71] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2017-12-26 (PCT/US2017/068397)
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[25] EN
[54] **METHOD OF MAINTAINING A MELT FLOW INDEX OF A POLYETHYLENE POLYMER PRODUCT**
[54] **PROCEDE DE MAINTIEN DE L'INDICE DE FLUIDITE A CHAUD D'UN PRODUIT POLYMERE DE POLYETHYLENE**
[72] SAVATSKY, BRUCE J., US
[72] PEQUENO, R. ERIC, US
[72] LOCKLEAR, BRANDON C., US
[72] FARLEY, JIM, US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2019-12-05
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[54] **RELAY FOR WIRELESS COMMUNICATION SYSTEM**
[54] **RELAIS POUR SYSTEME DE COMMUNICATION SANS FIL**
[72] AHMAD, SAAD, CA
[71] IDAC HOLDINGS, INC., US
[85] 2019-12-05
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[54] **INDUCTION OF SYNTHETIC LETHALITY WITH EPIGENETIC THERAPY**
[54] **INDUCTION DE LETALITE SYNTHETIQUE A L'AIDE DE LA THERAPIE EPIGENETIQUE**
[72] YEGNASUBRAMANIAN, SRINIVASAN, US
[72] NELSON, WILLIAM G., US
[72] VAGHASIA, AJAY, US
[72] NUHN, PHILIPP, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2019-12-05
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[54] **CONSTRUCTION DE SUTURE A VERROUILLAGE**
[72] BRESLICH, GRADY, US
[71] CONMED CORPORATION, US
[85] 2019-12-05
[86] 2018-06-07 (PCT/US2018/036367)
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[54] **SUPPORTED CARBON MOLECULAR SIEVE MEMBRANES AND METHOD TO FORM THEM**
[54] **MEMBRANES DE TAMIS MOLECULAIRE A CARBONE SUPPORTEES ET LEUR PROCEDE DE FORMATION**
[72] LIU, JUNQIANG, US
[72] GOSS, JANET M., US
[72] ANDERSON, STEPHANIE K., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-12-05
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[54] **METHODS OF SUPPRESSING MICROGLIAL ACTIVATION**
[54] **METHODES D'INHIBITION DE L'ACTIVATION MICROGLIALE**
[72] BUTOVSKY, OLEG, US
[72] WEINER, HOWARD, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2019-12-05
[86] 2018-06-06 (PCT/US2018/036261)
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[54] **LIGHT DIFFUSING DEVICES FOR USE PHOTOIMMUNOTHERAPY**
[54] **DISPOSITIFS DE DIFFUSION DE LUMIERE DESTINES A ETRE UTILISES EN PHOTO-IMMUNOTHERAPIE**
[72] ROSE, ANDREAS, DE
[72] JOHNSTON, KYLE, US
[72] BIEL, MERRILL, US
[71] RAKUTEN MEDICAL, INC., US
[85] 2019-12-05
[86] 2018-04-24 (PCT/US2018/029054)
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[54] **PLAQUE D'ELECTRODES D'ETOURDISSEMENT/D'ABATTAGE ET GOUTTIERE**
[72] AIREY, JEFFREY L., US
[72] ARP, DERRICK C., US
[72] CLAY, STEPHAN A., US
[71] SIMMONS ENGINEERING COMPANY, US
[85] 2019-12-05
[86] 2018-05-02 (PCT/US2018/030673)
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[54] **WORK MACHINE CONTROL DEVICE AND CONTROL METHOD**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE MACHINE DE TRAVAIL**
[72] MINAGAWA, MASANORI, JP
[72] OHYAMA, YASUHIRO, JP
[71] KOMATSU LTD., JP
[85] 2019-12-05
[86] 2018-10-03 (PCT/JP2018/037019)
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[30] JP (2017-194672) 2017-10-04

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[51] **Int.Cl. C12N 15/09 (2006.01) A61K 47/60 (2017.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ENHANCING AGENTS FOR IMPROVED CELL TRANSFECTION AND/OR RAAV VECTOR PRODUCTION**
[54] **AGENTS D'ACTIVATION DESTINES A LA TRANSFECTION DE CELLULES ET/OU LA PRODUCTION DE VECTEUR RAAV AMELIOREES**
[72] QU, GUANG, US
[72] LU, LIN, US
[72] JOSUE-ALMQVIST, JESUSA, US
[72] WRIGHT, JOHN FRASER, US
[71] SPARK THERAPEUTICS, INC., US
[85] 2019-12-05
[86] 2018-06-06 (PCT/US2018/036344)
[87] (WO2018/226887)
[30] US (62/516,432) 2017-06-07
[30] US (62/531,626) 2017-07-12

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[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING CANCER COMPRISING A VASCULAR DISRUPTING AGENT AND IMMUNE CHECKPOINT INHIBITOR**
[54] **COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DU CANCER COMPRENANT UN AGENT DE PERTURBATION VASCULAIRE ET UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE**
[72] KIM, SOO JIN, KR
[72] KIM, U JI, KR
[72] CHOI, INHAK, KR
[72] IM, SUNA, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2019-12-05
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[30] KR (10-2017-0094767) 2017-07-26

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[54] **INTRAVASCULAR FLUID MOVEMENT DEVICES, SYSTEMS, AND METHODS OF USE**
[54] **DISPOSITIFS DE DEPLACEMENT DE FLUIDE INTRAVASCULAIRE, SYSTEMES ET PROCEDES D'UTILISATION**
[72] SALAHIEH, AMR, US
[72] ARGENTO, CLAUDIO, US
[72] SAUL, TOM, US
[72] ESCH, BRADY, US
[72] MIXTER, COLIN, US
[72] BROWN, PETER, US
[72] KERLO, ANNA, US
[72] HILDEBRAND, DANIEL, US
[72] VARGHAI, DANIEL, US
[71] SHIFAMED HOLDINGS, LLC, US
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[54] **ADJUSTABLE VEHICLE SUSPENSION SYSTEM**
[54] **SYSTEME DE SUSPENSION DE VEHICULE REGLABLE**
[72] OAKDEN-GRAUS, JONATHON P., US
[72] KROSSCHELL, BRIAN D., US
[71] POLARIS INDUSTRIES INC., US
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[54] **VIV SUPPRESSION STRAKE ASSEMBLY**
[54] **ENSEMBLE DE VIRURES DE SUPPRESSION DE VIV**
[72] ESSELBRUGGE, MARTIN, NL
[72] STEENHUIS, ANDRE LUUR JAN, NL
[71] BLUEMARINE OFFSHORE YARD SERVICES B.V., NL
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[54] **LUBRICATING COMPOSITION**
[54] **COMPOSITION LUBRIFIANTE**
[72] BASU, SHUBHAMITA, US
[71] THE LUBRIZOL CORPORATION, US
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[54] **COMPOSITIONS AND METHODS FOR ENGINE CARBON REMOVAL**
[54] **COMPOSITIONS ET PROCEDES DESTINES A L'ELIMINATION DU CARBONE D'UN MOTEUR**
[72] THOMPSON, BERNIE C., US
[72] THOMA, STEVEN G., US
[71] ATS CHEMICAL, LLC, US
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[54] **SYSTEM AND METHOD FOR DETERMINING GLUCOSE OXIDASE IN AN ANALYTE**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE GLUCOSE OXYDASE DANS UN ANALYTE**
[72] SILVESTON-KEITH, REBECCA B., US
[72] HAFNER, KATHERINE L., US
[72] WARNER, JOHN RILEY, III, US
[71] ACCESSIBLE DIAGNOSTICS, LLC, US
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[54] **SYSTEMS AND METHODS FOR CUTTING LABEL MATERIAL**
[54] **SYSTEMES ET PROCEDES POUR DECOUPER UN MATERIAU D'ETIQUETTE**
[72] CLAIR, RANBIR SINGH, US
[72] CLAIRE, KARMEN, US
[72] PIRATLA, VINAY LEELADHAR, US
[71] ELUM INC., US
[85] 2019-12-05
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[54] **SOFT TISSUE CUTTING INSTRUMENT WITH RETRACTABLE BLADE OR HOOK**
[54] **INSTRUMENT DE RESECTION DE TISSUS MOUS A LAME OU CROCHET RETRACTABLE**
[72] ANDERSON, SHARON, K., US
[72] PHAM, KHIEM, US
[72] HUTTER, JAMES, US
[71] CONMED CORPORATION, US
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[54] **MULTI-LAYERED FINISHES FOR METAL SUBSTRATES**
[54] **FINITIONS MULTICOUCHES POUR SUBSTRATS METALLIQUES**
[72] HOEHNE, JOERG, DE
[72] SCHWAGER, CAECILIA, DE
[71] NOVELIS INC., US
[85] 2019-12-05
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[54] **DEVICE FOR MOVING AN ARM AND A METHOD OF OPERATING THE DEVICE**
[54] **DISPOSITIF DESTINE A METTRE EN MOUVEMENT UN BRAS ET PROCEDE DE FONCTIONNEMENT DU DISPOSITIF**
[72] WOGE, SOFIE, SE
[72] GUSTAFSSON, ROBIN, SE
[72] RENMARKER, PONTUS, SE
[72] NIELSEN, SARAWUT, DK
[71] TENDO AB, SE
[85] 2019-12-05
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[25] EN
[54] **WELDING APPARATUS AND METHOD FOR ELEVATED PIERCE CURRENT**
[54] **APPAREIL ET PROCEDE DE SOUDAGE POUR COURANT DE POINCONNAGE ELEVE**
[72] NOWAK, JOSHUA, US
[71] THE ESAB GROUP. INC., US
[85] 2019-12-05
[86] 2018-06-14 (PCT/US2018/037468)
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[54] **PACKAGES FOR MEDICAL DEVICES AND MEDICAL DEVICE ASSEMBLIES**
[54] **EMBALLAGES POUR DISPOSITIFS MEDICAUX ET ENSEMBLES DE DISPOSITIFS MEDICAUX**
[72] O'FLYNN, PADRAIG M., US
[72] HENEGHAN, BRENDAN J., US
[72] RENEHAN, THOMAS, US
[72] GREYNOLDS, ROBERT A., US
[72] MUNNELLY, JENNIFER, US
[72] SHEREMETIEV, DMITRY, US
[71] HOLLISTER INCORPORATED, US
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[54] **HANDS-FREE FLOWABLE MATERIAL DISPENSERS AND RELATED METHODS**
[54] **DISTRIBUTEURS DE MATERIAU FLUIDE MAINS LIBRES ET PROCEDES ASSOCIES**
[72] BORKE, BRIAN S., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2019-12-05
[86] 2018-06-15 (PCT/US2018/037811)
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[54] **BOMBE GUIDEE PAR LASER AVEC CAPTEUR DE PROXIMITE**
[72] MAXWELL, BARRY A., US
[71] KAMAN PRECISION PRODUCTS, INC., US
[85] 2019-12-05
[86] 2018-06-08 (PCT/US2018/036645)
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[54] **STRUCTURED ILLUMINATION MICROSCOPY WITH LINE SCANNING**
[54] **MICROSCOPIE A ECLAIRAGE STRUCTURE A BALAYAGE DE LIGNE**
[72] GUO, MINGHAO, US
[71] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2019-01-22 (PCT/US2019/014583)
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[54] **LINKED AND OTHER PH-TRIGGERED COMPOUNDS**
[54] **COMPOSES LIES ET AUTRES COMPOSES ACTIVES PAR PH**
[72] RESHETNYAK, YANA K., US
[72] ANDREEV, OLEG A., US
[72] ENGELMAN, DONALD M., US
[71] RHODE ISLAND COUNCIL ON POSTSECONDARY EDUCATION, US
[71] YALE UNIVERSITY, US
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[54] **TAMBOURS DE TRANSPORT ET DE DELIVRANCE DE FIL**
[72] FOSTER, DONALD Q., II, US
[72] DRAGOO, ROBERT K., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-05
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[25] EN
[54] **MULTI-LEVEL HYSTERESIS VOLTAGE CONTROLLERS FOR VOLTAGE MODULATORS AND METHODS FOR CONTROL THEREOF**
[54] **REGULATEURS DE TENSION A HYSTERESIS MULTI-NIVEAU POUR MODULATEURS DE TENSION, ET PROCEDES DE COMMANDE ASSOCIES**
[72] SLEPCHENKOV, MIKHAIL, US
[71] TAE TECHNOLOGIES, INC., US
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[86] 2018-06-18 (PCT/US2018/038089)
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[51] **Int.Cl. E02F 9/28 (2006.01)**
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[54] **EDGE PROTECTION SYSTEM FOR AN IMPLEMENT**
[54] **SYSTEME DE PROTECTION DE BORD POUR UN OUTIL**
[72] KUNZ, PHILLIP J., US
[71] CATERPILLAR INC., US
[85] 2019-12-05
[86] 2018-06-04 (PCT/US2018/035784)
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[25] EN
[54] **EDGE SHROUD AND METHOD FOR REMOVING EDGE SHROUD FROM AN IMPLEMENT**
[54] **PROTECTION DE BORD ET PROCEDE DE DEPOSE DE PROTECTION DE BORD D'UN INSTRUMENT**
[72] KUNZ, PHILLIP J., US
[71] CATERPILLAR INC., US
[85] 2019-12-05
[86] 2018-06-04 (PCT/US2018/035787)
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[54] **FIBER OPTIC TRANSITION ASSEMBLIES**
[54] **ENSEMBLES DE TRANSITION A FIBRES OPTIQUES**
[72] LANE, DAVID JAMES, US
[72] BALL, SHIRLEY, US
[72] COURCHAINE, WILFRED, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2019-12-05
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[54] **ELECTROMAGNET-SWITCHABLE PERMANENT MAGNET DEVICE**
[54] **DISPOSITIF A AIMANT PERMANENT COMMUTABLE PAR ELECTRO-AIMANT**
[72] MORTON, DAVID H., US
[72] BLANCHARD, MICHAEL C., US
[72] WHITT, THOMAS R., US
[72] REED, MICHAEL H., US
[71] MAGSWITCH TECHNOLOGY WORLDWIDE PTY LTD., US
[85] 2019-12-05
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[54] **WELL CONSTRUCTION COMMUNICATION AND CONTROL**
[54] **COMMUNICATION ET COMMANDE DE CONSTRUCTION DE PUITS**
[72] ZHENG, SHUNFENG, US
[72] ROJAS, JUAN JOSE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2019-12-05
[86] 2018-06-13 (PCT/US2018/037188)
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[54] **LOW-DOSE BRIMONIDINE COMBINATIONS AND USES THEREOF**
[54] **ASSOCIATIONS DE BRIMONIDINE A FAIBLE DOSE ET LEURS UTILISATIONS**
[72] HORN, GERALD, US
[71] EYE THERAPIES, LLC, US
[85] 2019-12-05
[86] 2018-06-07 (PCT/US2018/036440)
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[30] US (62/621,082) 2018-01-24

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[54] **TORQUE DRIVEN DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ENTRAINE PAR COUPLE**
[72] MCCULLOUGH, ADAM B., US
[72] FORSTER, RONALD, US
[72] IGLESIAS, JOSEPH MICHAEL, US
[72] MELANDER, MATIAS, DK
[72] OHLENSCHLAEGER, RASMUS, DK
[72] PLAMBECH, CHRISTIAN, DK
[72] STENHOLT, LARS, DK
[72] LUDVIG SVENDSEN, BJARKE LYKKE, DK
[71] AMGEN INC., US
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[54] **METHODS AND APPARATUS FOR RECYCLING TAIL GAS IN SYNGAS FERMENTATION TO ETHANOL**
[54] **PROCEDES ET APPAREIL DE RECYCLAGE DE GAZ RESIDUAIRE DANS LA FERMENTATION DE GAZ DE SYNTHESE EN ETHANOL**
[72] WINTER, JOHN, US
[72] HOHMAN, JERROD, US
[71] ALDOUS, DAVID, US
[85] 2019-12-05
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[54] **DYNAMIC PROVISIONING OF WIRELESS DEVICES WITH HEALTH GATEWAYS**
[54] **FOURNITURE DYNAMIQUE DE DISPOSITIFS SANS FIL AVEC DES PASSERELLES DE SANTE**
[72] ZEILINGOLD, DAPHNA, US
[72] GANTON, ROBERT, US
[72] DAS, SOUMYA, US
[72] AGGARWAL, ASHUTOSH, US
[72] AMSCHLER, JOHN EARL, US
[71] CAPSULE TECHNOLOGIES, INC., US
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[86] 2018-06-04 (PCT/US2018/035832)
[87] (WO2018/231569)
[30] US (62/520,360) 2017-06-15
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[51] **Int.Cl. A61F 2/08 (2006.01)**
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[54] **EXPANDING ANCHOR**
[54] **ANCRE EXPANSIBLE**
[72] KAM, ANDREW, US
[71] CONMED CORPORATION, US
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[86] 2018-06-11 (PCT/US2018/036838)
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[30] US (62/518,245) 2017-06-12

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[25] EN
[54] **ELECTROMECHANICAL LINEARLY ACTUATED ELECTRODE**
[54] **ELECTRODE ELECTROMECANIQUE A ACTIONNEMENT LINEAIRE**
[72] RAYMOND, ANDREW, US
[72] TATHAM, DAVID A., US
[72] PEKKER, LEONID, US
[72] COTE, DANIEL A., US
[72] PUTNAM, GEOFFREY H., US
[72] LYNAUGH, RYAN, US
[71] THE ESAB GROUP INC., US
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[86] 2018-06-14 (PCT/US2018/037472)
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[30] US (15/628,278) 2017-06-20

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[54] **ELECTRICAL OUTLET WITH INTERCHANGEABLE FACEPLATE MODULES**
[54] **PRISE ELECTRIQUE A MODULES DE PLAQUE AVANT INTERCHANGEABLES**
[72] BROWER, JOHN, US
[71] HUBBELL INCORPORATED, US
[85] 2019-12-05
[86] 2018-06-07 (PCT/US2018/036540)
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[30] US (62/516,932) 2017-06-08

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[51] **Int.Cl. H02S 20/25 (2014.01) H02S 40/36 (2014.01) F24S 25/613 (2018.01)**
[25] EN
[54] **MULTI-REGION SOLAR ROOFING MODULES**
[54] **MODULES DE TOITURE SOLAIRES A REGIONS MULTIPLES**
[72] ALMY, CHARLES, US
[72] PESCE, KATHRYN AUSTIN, US
[72] MOLINA, DAVID, US
[71] TESLA, INC., US
[85] 2019-12-05
[86] 2018-06-04 (PCT/US2018/035918)
[87] (WO2018/226607)
[30] US (62/515,434) 2017-06-05
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[25] EN
[54] **METHODS AND DEVICES FOR HANDLING A FLUID AND DELIVERING THE FLUID TO THE EYE**
[54] **PROCEDES ET DISPOSITIFS POUR MANIPULER UN FLUIDE ET ADMINISTRER LE FLUIDE A L'OEIL**
[72] NEWELL, MATTHEW, US
[72] CLAUSON, LUKE, US
[72] LEWIS, NICHOLAS, US
[72] RAYE, MICHAEL, US
[71] EYENOVIA, INC., US
[85] 2019-12-05
[86] 2018-06-11 (PCT/US2018/036908)
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[30] US (62/517,914) 2017-06-10

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[25] EN
[54] **VIDEO MONITORING SYSTEM FOR A SPREADER HOPPER**
[54] **SYSTEME DE SURVEILLANCE VIDEO POUR TREMIE D'EPANDEUSE**
[72] ORAZEM, LOUIS M., US
[71] MEYER PRODUCTS, LLC, US
[85] 2019-12-05
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[87] (WO2018/227051)
[30] US (15/617,233) 2017-06-08

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[25] EN
[54] **SIDELAP INTERCONNECT FOR PHOTOVOLTAIC ROOFING MODULES**
[54] **INTERCONNEXION DE RECOUVREMENT LATERAL DESTINEE A DES MODULES PHOTOVOLTAIQUES DE TOITURE**
[72] SEERY, MARTIN, US
[72] MOLINA, DAVID, US
[72] GUTHRIE, TREVOR B., US
[72] ANDERSON, THOMAS, US
[72] HEWLETT, JONATHAN, US
[71] TESLA, INC., US
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[86] 2018-06-04 (PCT/US2018/035924)
[87] (WO2018/226610)
[30] US (62/515,434) 2017-06-05
[30] US (15/686,064) 2017-08-24

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[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/19 (2006.01) A61M 5/24 (2006.01) A61M 5/28 (2006.01) A61M 5/30 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **PEN NEEDLE MULTIPLE CARRIER INJECTION SYSTEM**
[54] **SYSTEME D'INJECTION A MULTIPLES SUPPORTS D'AIGUILLE DE STYLO**
[72] WEST, ROBERT, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2019-12-05
[86] 2018-06-14 (PCT/US2018/037540)
[87] (WO2019/005495)
[30] US (62/525,448) 2017-06-27

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[13] A1
[51] **Int.Cl. G16H 80/00 (2018.01) G08B 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HEALTH MONITORING AND PROVIDING EMERGENCY SUPPORT**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE LA SANTE ET DE FOURNITURE D'ASISTANCE D'URGENCE**
[72] NEWMAN, FREDRIC MARK, US
[72] NEWMAN, MARSHA JO, US
[71] AMP LLC, US
[85] 2019-12-05
[86] 2018-06-11 (PCT/US2018/036935)
[87] (WO2018/227197)
[30] US (15/618,487) 2017-06-09

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[51] **Int.Cl. G06F 8/34 (2018.01)**
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[54] **DATAFLOW GRAPH CONFIGURATION**
[54] **CONFIGURATION DE GRAPHE DE FLUX DE DONNEES**
[72] EPSTEIN, RICHARD A., US
[72] PALMER, MIKE, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2019-12-05
[86] 2018-06-05 (PCT/US2018/035976)
[87] (WO2018/226637)
[30] US (62/516,396) 2017-06-07
[30] US (15/997,278) 2018-06-04

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[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01)**
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[54] **ORTHOPEDIC DRILL BIT WITH SWIVELING HEAD**
[54] **FORET ORTHOPEDIQUE A TETE PIVOTANTE**
[72] KAM, ANDREW, US
[72] MUSER, ANDREW P., US
[71] CONMED CORPORATION, US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/036990)
[87] (WO2018/231746)
[30] US (62/518,261) 2017-06-12

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[51] **Int.Cl. A61F 5/01 (2006.01) A63B 71/12 (2006.01)**
[25] EN
[54] **LIVING HINGE FOR ATHLETIC BRACE OR SUPPORT**
[54] **CHARNIERE MOBILE POUR ATTELLE OU SUPPORT D'ATHLETISME**
[72] DUCHARME, DUSTIN, US
[72] AMENDOLA, ANNUNZIATO, US
[72] DEN HARTOG, BRYAN, US
[72] KAY, DAVID B., US
[72] PERERA, ANTHONY, GB
[72] MILLIFF, BRIAN, US
[72] BROWN, PATRICK, US
[71] EXTREMITY DEVELOPMENT COMPANY, LLC, US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/036986)
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[30] US (62/518,194) 2017-06-12

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[25] EN
[54] **METHOD AND APPARATUS FOR A TISSUE ENGINEERING SYSTEM**
[54] **METHODE ET APPAREIL POUR SYSTEME D'INGENIERIE TISSULAIRE**
[72] FLITSCH, ROBERT, US
[72] FLITSCH, FREDERICK, US
[72] CHANIN, BRENT, US
[72] HILKEN, RUDIGER, US
[71] ORGANOFAB TECHNOLOGIES, INC., US
[85] 2019-12-05
[86] 2018-06-05 (PCT/US2018/035984)
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[30] US (62/515,983) 2017-06-06

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[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/42 (2006.01)**
[25] EN
[54] **METHOD FOR THE RECOVERY OF LITHIUM**
[54] **PROCEDE DE RECUPERATION DE LITHIUM**
[72] HARRIS, BRYN, CA
[72] WHITE, CARL, CA
[71] URBAN MINING PTY LTD, AU
[71] NMR 360 INC, CA
[85] 2019-12-06
[86] 2018-06-08 (PCT/AU2018/050567)
[87] (WO2018/223192)
[30] US (62/516,812) 2017-06-08

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[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/4245 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR MODULATING S1P1 ACTIVITY AND METHODS OF USING THE SAME**
[54] **COMPOSES POUR MODULER L'ACTIVITE DE S1P1 ET LEURS PROCEDES D'UTILISATION**
[72] PITIS, PHILIP MICHAEL, US
[72] BOYD, ROBERT EUGENE, US
[72] DAUBERT, TAMARA ANN MISKOWSKI, US
[72] HAWKINS, MICHAEL JOHN, US
[72] LIU, GUODONG, US
[72] SPEERSCHNEIDER, AIMEE CROMBIE, US
[71] TREVENA, INC., US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/036989)
[87] (WO2018/231745)
[30] US (62/519,575) 2017-06-14

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01)**
[25] EN
[54] **SINGLE CELL WHOLE GENOME LIBRARIES FOR METHYLATION SEQUENCING**
[54] **BANQUES DE GENOMES ENTIERS DE CELLULES INDIVIDUELLES POUR LE SEQUENCAGE DE METHYLATION**
[72] ADEY, ANDREW C., US
[72] MULQUEEN, RYAN, US
[72] STEEMERS, FRANK J., US
[72] POKHOLOK, DMITRY K., US
[72] NORBERG, STEVEN, US
[71] OREGON HEALTH & SCIENCE UNIVERSITY, US
[71] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2018-06-05 (PCT/US2018/036078)
[87] (WO2018/226708)
[30] US (62/516,324) 2017-06-07

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[51] **Int.Cl. F24S 25/12 (2018.01) F24S 25/00 (2018.01) F24S 25/10 (2018.01) F24S 25/11 (2018.01) F24S 25/13 (2018.01) F24S 25/15 (2018.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR IMPROVED VERTICAL STRUCTURAL SUPPORTS**
[54] **APPAREIL, SYSTEMES ET PROCEDES POUR DES SUPPORTS STRUCTURAUX VERTICAUX AMELIORES**
[72] PRIEFERT, WILLIAM, US
[72] CHRISTENBERRY, ROCKY, US
[72] METZGER, TRACY, US
[71] PRIEFERT MFG. CO. INC., US
[85] 2019-12-05
[86] 2018-06-05 (PCT/US2018/036115)
[87] (WO2018/226734)
[30] US (62/556,739) 2017-09-11
[30] US (62/515,343) 2017-06-05

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[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) G16H 15/00 (2018.01) G16H 40/40 (2018.01) G01N 1/28 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF MONITORING TISSUE SAMPLES TO BE PROCESSED BY A TISSUE PROCESSOR**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'ECHANTILLONS DE TISSU A TRAITER PAR UN PROCESSEUR DE TISSU**
[72] TARBET, FIONA MARY, AU
[72] OH-AINLE, DONNCHADH, AU
[71] LEICA BIOSYSTEMS MELBOURNE PTY LTD, AU
[85] 2019-12-06
[86] 2018-08-22 (PCT/AU2018/050890)
[87] (WO2019/036758)
[30] US (62/548,651) 2017-08-22

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[13] A1
[51] **Int.Cl. C22B 23/00 (2006.01) C22B 7/00 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF COBALT, LITHIUM, AND OTHER METALS FROM SPENT LITHIUM-BASED BATTERIES AND OTHER FEEDS**
[54] **PROCEDE DE RECUPERATION DE COBALT, DE LITHIUM ET D'AUTRES METAUX A PARTIR DE BATTERIES AU LITHIUM USAGEES ET D'AUTRES CHARGES**
[72] HARRIS, BRYN, CA
[72] WHITE, CARL, CA
[71] URBAN MINING PTY LTD, AU
[71] NMR 360 INC, CA
[85] 2019-12-06
[86] 2018-06-08 (PCT/AU2018/050568)
[87] (WO2018/223193)
[30] US (62/516,819) 2017-06-08

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[51] **Int.Cl. H01S 5/02 (2006.01) H01S 5/026 (2006.01) H01S 5/028 (2006.01) H01S 5/10 (2006.01) H01S 5/14 (2006.01) H01S 5/22 (2006.01)**
[25] FR
[54] **HYBRID SEMICONDUCTOR LASER COMPONENT AND METHOD FOR MANUFACTURING SUCH A COMPONENT**
[54] **COMPOSANT LASER SEMICONDUCTEUR HYBRIDE ET PROCEDE DE FABRICATION D'UN TEL COMPOSANT**
[72] MENEZO, SYLVIE, FR
[72] GIRARD, OLIVIER, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2019-12-06
[86] 2018-06-18 (PCT/FR2018/051446)
[87] (WO2018/234673)
[30] FR (17 55575) 2017-06-19

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[13] A1
[51] **Int.Cl. H02M 7/02 (2006.01) H02M 7/483 (2007.01) H02M 7/10 (2006.01) H02M 7/162 (2006.01) H02M 7/19 (2006.01) H02M 7/219 (2006.01)**
[25] EN
[54] **MULTI-LEVEL MULTI-QUADRANT HYSTERESIS CURRENT CONTROLLERS AND METHODS FOR CONTROL THEREOF**
[54] **DISPOSITIFS DE COMMANDE DU COURANT PAR HYSTERESIS A PLUSIEURS NIVEAUX ET LEURS PROCEDES DE COMMANDE**
[72] SLEPCHENKOV, MIKHAIL, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/037081)
[87] (WO2018/231810)
[30] US (62/518,331) 2017-06-12

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/28 (2006.01) A61K 9/70 (2006.01)**
[25] EN
[54] **BIOERODIBLE DRUG DELIVERY DEVICES**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS BIOERODABLE**
[72] GUO, HONG, US
[72] CHEN, JIAN BING, US
[71] EYEPOINT PHARMACEUTICALS, INC., US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/037082)
[87] (WO2018/231811)
[30] US (62/518,739) 2017-06-13

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[13] A1
[51] **Int.Cl. G01N 21/00 (2006.01) G01N 21/17 (2006.01) G01N 21/35 (2014.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ANALYSIS OF CRYSTALS AND CRYSTALLIZATION**
[54] **PROCEDE ET SYSTEME POUR L'ANALYSE DE CRISTAUX ET DE CRISTALLISATION**
[72] PASTRANA-RIOS, BELINDA, US
[71] PROTEIN DYNAMIC SOLUTIONS, INC., US
[85] 2019-12-05
[86] 2018-06-12 (PCT/US2018/037122)
[87] (WO2018/231840)
[30] US (62/518,376) 2017-06-12

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[13] A1
[51] **Int.Cl. A61K 31/122 (2006.01) C12N 5/077 (2010.01) A23L 33/10 (2016.01) A61P 3/04 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **ANTI-OBESITY POTENTIAL OF GARCINOL**
[54] **POTENTIEL ANTI-OBESITE DU GARCINOL**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MUNDKUR, LAKSHMI, IN
[71] SAMI LABS LIMITED, IN
[85] 2019-12-05
[86] 2018-06-13 (PCT/US2018/037242)
[87] (WO2018/231923)
[30] US (62/519,949) 2017-06-15
[30] US (62/523,611) 2017-06-22

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[51] **Int.Cl. A61K 38/16 (2006.01) A61K 39/085 (2006.01) C07K 14/31 (2006.01) C07K 16/12 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS COMPRISING STAPHYLOCOCCUS AUREUS LEUKOCIDIN LUKA AND LUKB DERIVED POLYPEPTIDES**
[54] **COMPOSITIONS IMMUNOGENES COMPRENANT DES POLYPEPTIDES DERIVES DES LEUCOCIDINES LUKA ET LUKB DE STAPHYLOCOCCUS AUREUS**
[72] KORT, THOMAS, US
[72] WILLISTON, NILS, US
[72] KAILASAN, SHWETA, US
[72] KARAUZUM, HATICE, US
[72] ADHIKARI, RAJAN P., US
[72] AMAN, MOHAMMAD JAVAD, US
[71] INTEGRATED BIOTHERAPEUTICS, INC., US
[85] 2019-12-05
[86] 2018-06-13 (PCT/US2018/037376)
[87] (WO2018/232014)
[30] US (62/518,641) 2017-06-13

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[13] A1
[51] **Int.Cl. A61D 7/00 (2006.01) F41B 11/85 (2013.01) A01K 13/00 (2006.01)**
[25] EN
[54] **ANIMAL CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE POUR ANIMAL**
[72] HART, ROCH, US
[72] PULIDO, JAIME, US
[72] WEST, JONATHAN, US
[71] WILDLIFE PROTECTION MANAGEMENT, INC., US
[85] 2019-11-29
[86] 2018-06-08 (PCT/US2018/036760)
[87] (WO2018/227158)
[30] US (62/516,945) 2017-06-08

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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **SERVICE PEERING EXCHANGE**
[54] **ECHANGE D'APPAIRAGE DE SERVICE**
[72] MADDEN, STEPHEN ANTHONY, US
[71] EQUINIX, INC., US
[85] 2019-12-05
[86] 2018-06-13 (PCT/US2018/037389)
[87] (WO2018/232022)
[30] US (62/518,992) 2017-06-13

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[13] A1
[51] **Int.Cl. C12G 3/08 (2006.01) C12C 5/02 (2006.01) C12C 12/04 (2006.01)**
[25] EN
[54] **PROCESS OF IMPARTING HOP FLAVOURS TO A BEVERAGE, A HOP FLAVOURED BEVERAGE COMPONENT OBTAINABLE BY SUCH PROCESS AND USE THEREOF**
[54] **PROCEDE POUR CONFERER DES AROMES DE HOUBLON A UNE BOISSON, COMPOSANT DE BOISSON AROMATISEE AU HOUBLON POUVANT ETRE OBTENU PAR UN TEL PROCEDE ET SON UTILISATION**
[72] BARRERO PEREZ, MARIAL DEL CARMEN, BE
[72] GROS, JACQUES-GABRIEL, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2019-12-06
[86] 2018-06-06 (PCT/EP2018/064845)
[87] (WO2018/224527)
[30] BE (BE2017/5407) 2017-06-08
[30] EP (17175020.1) 2017-06-08

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING MERKEL CELL CARCINOMA (MCC) USING NK-92 CELLS**
[54] **METHODES POUR LE TRAITEMENT D'UN CARCINOME A CELLULES MERKEL (CCM) A L'AIDE DE CELLULES NK-92**
[72] KLINGEMANN, HANS, US
[72] LEE, TIEN, US
[72] BOISSEL, LAURENT, US
[71] NANTKWEST, INC., US
[85] 2019-12-05
[86] 2018-06-19 (PCT/US2018/038308)
[87] (WO2018/236887)
[30] US (62/522,335) 2017-06-20

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[13] A1
[51] **Int.Cl. H01R 11/09 (2006.01) E05B 15/00 (2006.01) H01R 4/22 (2006.01) H01R 9/24 (2006.01) H01R 11/00 (2006.01) H01R 13/46 (2006.01)**
[25] EN
[54] **SYSTEM FOR ELECTRONIC DOORFRAME**
[54] **SYSTEME POUR CADRE DE PORTE ELECTRONIQUE**
[72] HICKS, RONALD J., US
[72] JOHNSON, GARY E., US
[71] TADPOLE PRODUCTS, LLC, US
[85] 2019-12-05
[86] 2019-04-17 (PCT/US2019/027793)
[87] (WO2019/204383)
[30] US (15/955,998) 2018-04-18
[30] US (16/382,794) 2019-04-12

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[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NK-92 CELLS AND IL-15 AGONIST COMBINATION THERAPY**
[54] **THERAPIE COMBINEE AVEC CELLULES NK-92 ET AGONISTE DE L'IL-15**
[72] KLINGEMANN, HANS, US
[72] LEE, TIEN, US
[72] BOISSEL, LAURENT, US
[71] NANTKWEST, INC., US
[85] 2019-12-05
[86] 2018-06-19 (PCT/US2018/038312)
[87] (WO2018/236890)
[30] US (62/522,319) 2017-06-20

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[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/14 (2006.01) A61F 5/34 (2006.01)**
[25] EN
[54] **RATE DEPENDENT SYSTEMS FOR FOOTWEAR**
[54] **SYSTEMES DEPENDANT DE LA VITESSE POUR CHAUSSURES**
[72] SOLA, KYLE, US
[72] FRYDLEWSKI, GASTON, US
[72] STESZYN, MICHAEL, US
[72] MCMILLAN, JOSEPH, US
[72] VALOIS, PETER, US
[72] RUEEGGER, PETER, US
[71] HICKIES INC., US
[85] 2019-12-05
[86] 2018-06-20 (PCT/US2018/038591)
[87] (WO2018/237071)
[30] US (62/522,458) 2017-06-20
[30] US (62/522,464) 2017-06-20
[30] US (62/522,466) 2017-06-20
[30] US (62/522,469) 2017-06-20

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[13] A1
[51] **Int.Cl. G01N 33/487 (2006.01) G01N 27/414 (2006.01)**
[25] EN
[54] **DEVICE FOR SEQUENCING**
[54] **DISPOSITIF DE SEQUENCAGE**
[72] BOYANOV, BOYAN, US
[72] GUNDLACH, JENS, US
[71] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2019-02-13 (PCT/US2019/017814)
[87] (WO2019/160925)
[30] US (62/710,350) 2018-02-16

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[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) C07K 14/415 (2006.01) C07K 16/16 (2006.01)**
[25] EN
[54] **METHODS AND GENES FOR PRODUCING LAND PLANTS WITH INCREASED EXPRESSION OF MITOCHONDRIAL METABOLITE TRANSPORTER AND/OR PLASTIDIAL DICARBOXYLATE TRANSPORTER GENES**
[54] **PROCEDES ET GENES POUR PRODUIRE DES PLANTES TERRESTRES AVEC UNE EXPRESSION ACCRUE DE GENES DE TRANSPORTEUR DE METABOLITE MITOCHONDRIAL ET/OU DE TRANSPORTEUR DE DICARBOXYLATE PLASTIDIAL**
[72] SKRALY, FRANK ANTHONY, US
[72] SNELL, KRISTI D., US
[71] YIELD10 BIOSCIENCE, INC., US
[85] 2019-12-05
[86] 2018-06-22 (PCT/US2018/038927)
[87] (WO2018/237231)
[30] US (62/524,134) 2017-06-23
[30] US (62/546,268) 2017-08-16

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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **HAND-HELD FLUID TRANSFER DEVICE AND SYSTEM**
[54] **DISPOSITIF DE TRANSFERT DE FLUIDE PORTATIF ET SYSTEME**
[72] BOURELLE, DYLAN L., US
[72] HUDDLESTON, MATTHEW J., US
[72] PALMER, JOETTA RENEE, US
[72] STEFANCHIK, DAVID, US
[71] ENABLE INJECTIONS, INC., US
[85] 2019-12-05
[86] 2018-06-14 (PCT/US2018/037624)
[87] (WO2018/232171)
[30] US (62/520,335) 2017-06-15
[30] US (62/571,419) 2017-10-12

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING MODEL-BASED TRACKING-RELATED PREDICTION FOR SHIPPED ITEMS**
[54] **SYSTEME ET PROCEDE DE FACILITATION D'UNE PREDICTION LIEE AU SUIVI REPOSANT SUR UN MODELE POUR DES ARTICLES EXPEDIES**
[72] CLEM, JOHN, US
[72] ATKINSON, CHARLES, US
[72] KWAK, FABIAN, US
[71] STAMPS.COM INC., US
[85] 2019-12-05
[86] 2018-06-20 (PCT/US2018/038514)
[87] (WO2018/237012)
[30] US (15/628,323) 2017-06-20

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **MULTIPLE SUTURE PASSING DEVICE**
[54] **DISPOSITIF PERMETTANT DE COUDRE DE MULTIPLES SUTURES**
[72] BOSWORTH, ADRIAN, US
[72] MILLER, PETER, US
[71] CONMED CORPORATION, US
[85] 2019-12-05
[86] 2018-06-26 (PCT/US2018/039406)
[87] (WO2019/005733)
[30] US (62/524,776) 2017-06-26
[30] US (62/549,180) 2017-08-23
[30] US (62/549,121) 2017-08-23

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[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01)**
[25] EN
[54] **AN INCONTINENCE TREATMENT SYSTEM AND METHODS OF USE**
[54] **SYSTEME DE TRAITEMENT DE L'INCONTINENCE ET SES PROCEDES D'UTILISATION**
[72] JAMES, NICOLE, US
[71] DIGNITY HEALTH, US
[85] 2019-12-05
[86] 2018-06-26 (PCT/US2018/039592)
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[72] GARCIA KILROY, PABLO EDUARDO, US
[72] SIU, BERNARD FAI KIN, US
[72] YU, HAORAN, US
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[54] **PRODUCTION OF NANOPARTICULATE COMPRESSED TABLETS (PELLETS) FROM SYNTHETIC OR NATURAL MATERIALS USING A SPECIALLY DEVELOPED GRINDING AND COMPRESSING METHOD**
[54] **FABRICATION DE COMPRIMES NANO-PARTICULAIRES (GRANULES) DE MATIERES SYNTHETIQUES OU NATURELLES SELON UN PROCEDE DE BROYAGE ET DE PRESSAGE DEVELOPPE SPECIALEMENT**
[72] GARBE-SCHONBERG, CARL-DIETER, DE
[72] MULLER, SAMUEL, DE
[72] NORDSTAD, SIMON, DE
[71] CHRISTIAN-ALBRECHTS-UNIVERSITAT ZU KIEL, DE
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[54] **A SECURITY MARK AND A METHOD FOR VALIDATING THE AUTHENTICITY OF A SECURITY MARK**
[54] **MARQUE DE SECURITE ET PROCEDE DE VALIDATION DE L'AUTHENTICITE D'UNE MARQUE DE SECURITE**
[72] HENRIKSEN, PER, DK
[71] DANSK RETURSYSTEM A/S, DK
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[54] **JETON SECURISE PASSANT PAR DES CHAINES DE BLOCS**
[72] SCOTT, GLENN, US
[71] INTUIT INC., US
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[54] **CHIFFREMENT ET DECHIFFREMENT D'ENSEMBLE DE DONNEES DISTRIBUEES**
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[72] GASS, MARK KUEBLER, US
[71] SAS INSTITUTE INC., US
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[54] **TOOL HEAD POSITIONING MECHANISM FOR A CONVERTING MACHINE, AND METHOD FOR POSITIONING A PLURALITY OF TOOL HEADS IN A CONVERTING MACHINE**
[54] **MECANISME DE POSITIONNEMENT DE TETES D'OUTIL POUR MACHINE DE CONVERSION ET PROCEDE DE POSITIONNEMENT D'UNE PLURALITE DE TETES D'OUTIL DANS UNE MACHINE DE CONVERSION**
[72] FREDANDER, BO, SE
[72] BLOMBERG, JOHAN, SE
[71] PACKSIZE LLC, US
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[54] **METHODS AND COMPOSITIONS FOR RECOMBINASE-MEDIATED SELECTIVE CLEAVAGE OF NUCLEIC ACIDS**
[54] **METHODES ET COMPOSITIONS POUR LE CLIVAGE SELECTIF MEDIE PAR LA RECOMBINASE D'ACIDES NUCLEIQUES**
[72] WANG, CLIFFORD LEE, US
[71] ILLUMINA, INC., US
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[54] **PATTERN ANGLE SPATIAL SELECTION STRUCTURED ILLUMINATION IMAGING**
[54] **IMAGERIE A ECLAIRAGE STRUCTURE PAR SELECTION SPATIALE D'ANGLE DE MOTIF**
[72] NEWMAN, PETER CLARKE, US
[72] CONDELLO, DANILO, US
[72] LU, SHAOPING, US
[72] PRINCE, SIMON, US
[72] SIU, MEREK C., US
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[54] **MULTIPLEXING OF AN ACTIVE SENSOR DETECTOR USING STRUCTURED ILLUMINATION**
[54] **MULTIPLEXAGE D'UN DETECTEUR A CAPTEUR ACTIF A L'AIDE D'UN ECLAIRAGE STRUCTURE**
[72] BAKER, THOMAS, US
[71] ILLUMINA, INC., US
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[25] FR
[54] **USE OF AN AMPHIDINOL FOR ITS FUNGICIDAL AND/OR BACTERICIDAL ACTIVITY ON FUNGI, OOMYCETES AND/OR PATHOGENIC BACTERIA OF PLANTS AND CROP SEEDS**
[54] **UTILISATION D'UN AMPHIDINOL POUR SON ACTIVITE FONGICIDE ET/OU BACTERICIDE SUR LES CHAMPIGNONS, LES OOMYCETES ET/OU BACTERIES PATHOGENES DES PLANTES ET SEMENCES DE CULTURE**
[72] THOMAS, YANN, FR
[72] THIEBEAULD, ODON, FR
[71] IMMUNRISE BIOCONTROL FRANCE, FR
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[54] **ABSORBENT CORE ASSEMBLIES, ERGONOMIC DISPOSABLE ABSORBENT UNDERGARMENTS MAKING USE OF SUCH CORE ASSEMBLIES, AND METHODS OF MAKING THE SAME**
[54] **ENSEMBLES NOYAUX ABSORBANTS, SOUS-VETEMENTS ABSORBANTS JETABLES ERGONOMIQUES UTILISANT DE TELS ENSEMBLES NOYAUX, ET LEURS PROCEDES DE FABRICATION**
[72] SHELDON, DONALD A., US
[72] HOWARD, JOSEPH, US
[72] TERENZONI, WILLIAM, US
[71] ADVANCED ABSORBENT TECHNOLOGIES, LLC, US
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[54] **SYSTEME CATALYTIQUE ET PROCEDE POUR ELIMINER DES COMPOSES HETEROATOMIQUES DE FLUX D'HYDROCARBURES**
[72] DE SOUZA, WLADMIR FERRAZ, BR
[72] ADAMSKI, JANICE, BR
[72] DUPONT, JAIRTON, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[71] UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL - UFRGS, BR
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[25] EN
[54] **NEUTRALISING ANTIBODY AGAINST DENGUE FOR USE IN A METHOD OF PREVENTION AND/OR TREATMENT OF ZIKA INFECTION**
[54] **ANTICORPS NEUTRALISANT CONTRE LA DENGUE DESTINE A ETRE UTILISE DANS UNE METHODE DE PREVENTION ET/OU DE TRAITEMENT DE L'INFECTION A VIRUS ZIKA**
[72] REY, FELIX, FR
[72] BARBA SPAETH, GIOVANNA, FR
[72] VANEY, MARIE-CHRISTINE, FR
[72] ROUVINSKI, ALEXANDER, IL
[72] SCREATON, GAVIN, GB
[72] MONGKOLSAPAYA, JUTHATHIP, GB
[71] IMPERIAL INNOVATIONS LTD, GB
[71] RIDGEWELL, PETER, FR
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[54] **SYSTEME ET PROCEDE DE CONDUIT DE FREINAGE**
[72] ELOGAB, OSAMA, GB
[72] ELOGAB, HATEM, GB
[71] OGAB LIMITED, GB
[85] 2019-12-06
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[54] **FRAUD DETECTION SYSTEM FOR INCOMING CALLS**
[54] **SYSTEME DE DETECTION DE FRAUDE SUR APPELS ENTRANTS**
[72] ANAND, ABHINAV, GB
[71] RESILIENT PLC, GB
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[51] **Int.Cl. F04B 1/047 (2006.01) F03D 9/28 (2016.01) F03D 15/00 (2016.01)**
[25] EN
[54] **WIND TURBINE GENERATOR WITH HYDRAULIC PUMP**
[54] **GENERATEUR A TURBINE EOLIENNE AVEC POMPE HYDRAULIQUE**
[72] VAN DER TEMPEL, JAN, NL
[71] DELFT OFFSHORE TURBINE B.V., NL
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[25] EN
[54] **TRANSMITTING TRAFFIC IN A SHARED FREQUENCY BANDWIDTH**
[54] **TRANSMISSION DE TRAFIC DANS UNE LARGEUR DE BANDE DE FREQUENCES PARTAGEE**
[72] PATEL, SANDIP C., US
[71] ARRIS ENTERPRISES LLC, US
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[54] **SYSTEM AND METHOD FOR A VENDOR RISK MANAGEMENT PLATFORM**
[54] **SYSTEME ET PROCEDE POUR UNE PLATEFORME DE GESTION DE RISQUE DE COMMERCANT**
[72] CHHABRA, RAJNEESH, CA
[71] BANK OF MONTREAL, CA
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[54] **WORKSTATION CONTROLLER FOR A POWER-ACTUATED WORKSTATION**
[54] **DISPOSITIF DE COMMANDE DE POSTE DE TRAVAIL DESTINE A UN POSTE DE TRAVAIL MOTORISE**
[72] DESROCHES, LEON, CA
[72] FOGARTY, TIM, CA
[71] SPARX SMART PODS INC., CA
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[54] **METHOD AND APPARATUS FOR COMBUSTION OF GASEOUS OR LIQUID FUEL**
[54] **PROCEDE ET APPAREIL DE COMBUSTION DE COMBUSTIBLE GAZEUX OU LIQUIDE**
[72] MADUTA, ROBERT, DE
[72] STRODER, MICHAEL, DE
[72] MUNKO, ANDREAS, DE
[71] OUTOTEC (FINLAND) OY, FI
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[54] **SYSTEME DE MOULAGE AVEC INSERTS DE MOULE DIVISES MOBILES**
[72] PAPA, RENATO, CA
[72] MCCREADY, DEREK ROBERTSON, CA
[72] LOOIJE, ADRIAN PETER, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
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[54] **DISPOSITIF PORTABLE DE MESURE DE POIDS D'URINE**
[72] JOURET, FRANCOIS, BE
[72] BIHR, DAMIEN, BE
[72] NICLAES, CHRISTOPHE, BE
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE, BE
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[25] EN
[54] **METHOD AND APPARATUSES FOR AUTONOMOUS HYDROPONIC CULTURE**
[54] **PROCEDE ET APPAREILS DE CULTURE HYDROPONIQUE AUTONOME**
[72] JUSSAUME, LOUIS-MARTIN, CA
[72] DE GRANDPRE, DAVID, CA
[72] GODIN, MARC-ANDRE, CA
[71] HERBO TECHNOLOGIES INC., CA
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[25] EN
[54] **LIBRARIES OF PYRIDINE-CONTAINING MACROCYCLIC COMPOUNDS AND METHODS OF MAKING AND USING THE SAME**
[54] **BIBLIOTHEQUES DE COMPOSES MACROCYCLIQUES CONTENANT DE LA PYRIDINE ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
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[72] DUBE, DANIEL, CA
[72] MACDONALD, DWIGHT, CA
[72] PETERSON, MARK L., CA
[72] RICHARD, LUC, CA
[72] THOMAS, HELMUT, CA
[71] CYCLENIUM PHARMA INC., CA
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[25] EN
[54] **MOLDED ARTICLE WITH SELECTIVELY VARIED CORE LAYER GEOMETRY AND HOT RUNNER NOZZLES FOR PRODUCING SAME**
[54] **ARTICLE MOULE AYANT UNE GEOMETRIE DE COUCHE CENTRALE SELECTIVEMENT MODIFIEE ET BUSES A CANAUX CHAUFFANTS POUR LA PRODUCTION DE CELUI-CI**
[72] WITZ, JEAN- CHRISTOPHE, FR
[72] BECK, CHRISTOPHE SIMON PIERRE, FR
[72] NIEWELS, JOACHIM JOHANNES, CA
[72] RIDDLE, LEE RICHARD, CA
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[54] **EXTRAIT CELLULAIRE ET COMPLEMENT ALIMENTAIRE ABAISSANT LA CHOLESTEROLEMIE LDL**
[72] WATTIEZ, RUDDY, BE
[72] MASTROLEO, FELICE, BE
[72] SUTERS, ROBERTUS CHRISTIAAN JOSEPHUS, NL
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[54] **PROCEDE DE SYNTHESE DE NANOPARTICULES DE SILICE**
[72] LUX, FRANCOIS, FR
[72] TILLEMENT, OLIVIER, FR
[72] ROSSETI, FABIEN, FR
[72] THAKARE, VIVEK, IN
[72] TRAN, VU LONG, VN
[71] NH THERAGUIX, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS, FR
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[51] **Int.Cl. A61M 5/158 (2006.01)**
[25] EN
[54] **MANUALLY-RETRACTABLE INTRAVENOUS INFUSION NEEDLE ASSEMBLY**
[54] **AIGUILLE DE PERFUSION INTRAVEINEUSE AVEC RETRACTION MANUELLE DE L'AIGUILLE**
[72] WANG, ZIYANG, CN
[71] WANG, ZIYANG, CN
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[25] FR
[54] **METHOD FOR ISOLATING AND DETECTING CANCER STEM CELLS**
[54] **METHODE D'ISOLEMENT ET DE DETECTION DE CELLULES SOUCHES CANCEREUSES**
[72] CARRE, VINCENT, FR
[72] LACROIX, AURELIE, FR
[71] CARCIDIAG BIOTECHNOLOGIES, FR
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[54] **PROCEDE DE FABRICATION D'AGREGATS A PARTIR DE BETON RECYCLE**
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[72] BROCCHI, ALBERTO, IT
[72] SQUINZI, MARCO, IT
[72] CARBONE, FRANCESCO, IT
[72] FRANCESCHI, VITTORIO, IT
[72] ZAMBIANCHI, PAOLO ANTONIO, IT
[71] MAPEI S.P.A., IT
[71] HOLCIM AGGREGATI CALCESTRUZZI S.R.L., IT
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[25] FR
[54] **MECHANICAL SYSTEM COMPRISING A SHAFT COUPLED TO A BEARING, AND METHOD FOR MANUFACTURING SUCH A SYSTEM**
[54] **SYSTEME MECANIQUE COMPRENANT UN AXE COUPLE A UN PALIER, ET PROCEDE DE FABRICATION D'UN TEL SYSTEME**
[72] DIEW, MOHAMADOU BOCAR, FR
[72] GACHON, YVES RENE ALEXIS, FR
[72] PROST, FABRICE, FR
[71] H.E.F., FR
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[54] **RESERVOIR AVEC INDICATEUR DE NIVEAU**
[72] ALLAN, RICHARD, CA
[71] ABC TECHNOLOGIES INC., CA
[85] 2019-12-06
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[25] EN
[54] **DATA TRANSMISSION METHOD, TRANSMITTING END DEVICE, AND RECEIVING END DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF D'EXTREMITE DE TRANSMISSION ET DISPOSITIF D'EXTREMITE DE RECEPTION**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **COMPOSITIONS PESTICIDES**
[72] HAN, ZHICHAO, CN
[72] ZHOU, YUMING, CN
[72] CHEN, ZIXIAN, SG
[72] SEO, YOUNG HOON, KR
[71] RHODIA OPERATIONS, FR
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[54] **AUTO-RETRACTABLE SAFETY BLOOD COLLECTION NEEDLE**
[54] **AIGUILLE DE PRELEVEMENT DE SANG A RETRACTION AUTOMATIQUE D'AIGUILLE**
[72] WANG, ZIYANG, CN
[71] WANG, ZIYANG, CN
[85] 2019-12-06
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[25] EN
[54] **SIGLEC-9-NEUTRALIZING ANTIBODIES**
[54] **ANTICORPS NEUTRALISANT LA SIGLEC-9**
[72] CORNEN, STEPHANIE, FR
[72] ROSSI, BENJAMIN, FR
[72] WAGTMANN, NICOLAI, US
[72] GAUTHIER, LAURENT, FR
[71] INNATE PHARMA, FR
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[25] EN
[54] **MICRONEEDLE SYSTEM FOR APPLYING GLUCAGON-LIKE PEPTIDE ANALOGUES**
[54] **SYSTEME A MICROAIGUILLES POUR APPLIQUER DES ANALOGUES PEPTIDIQUES SIMILAIRES AU GLUCAGON**
[72] HENNING, ANDREAS, DE
[72] SPILGIES, HEIKO, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2019-12-06
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[25] EN
[54] **INFORMATION PROCESSING METHOD AND RELATED APPARATUS**
[54] **PROCEDE DE TRAITEMENT D'INFORMATIONS ET APPAREIL ASSOCIE**
[72] LIU, JING, CN
[72] GUO, YI, CN
[72] DAI, MINGZENG, CN
[72] PENG, WENJIE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **COMMUNICATIONS METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION**
[72] HUANG, HUANG, CN
[72] GAO, KUANDONG, CN
[72] YAN, MAO, CN
[72] SHAO, HUA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **IMMUNOTHERAPY FOR HEPATOCELLULAR CARCINOMA**
[54] **IMMUNOTHERAPIE POUR CARCINOME HEPATOCELLULAIRE**
[72] WANG, LAI, CN
[72] LI, KANG, CN
[72] QI, QINZHOU, CN
[72] HOU, JEANNIE, US
[72] WU, ZHONG, US
[71] BEIGENE, LTD., KY
[85] 2019-12-06
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[25] EN
[54] **CONTROL METHOD FOR CONTROLLING A YAW ANGLE AND A ROLL ANGLE OF A VERTICAL TAKE-OFF AIRCRAFT**
[54] **PROCEDE DE COMMANDE POUR LA COMMANDE D'UN ANGLE DE LACET ET DE ROULIS D'UN AVION A DEMARRAGE VERTICAL**
[72] HESSELBARTH, JONATHAN, DE
[71] WINGCOPTER GMBH, DE
[85] 2019-12-06
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[25] EN
[54] **HINGE AND METHOD FOR OPENING AND CLOSING A HINGE**
[54] **CHARNIERE ET PROCEDE D'OUVERTURE ET DE FERMETURE D'UNE CHARNIERE**
[72] STUKE, KAI MICHAEL, DE
[72] SCHNEIDER, MARK, DE
[72] POISCHBEG, JENS, DE
[72] FILGES, KARSTEN, DE
[72] HEINZ, ALEXANDER, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
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[54] **FUSION PROTEIN WITH HALF-LIFE EXTENDING POLYPEPTIDE**
[54] **PROTEINE DE FUSION PRESENTANT UN POLYPEPTIDE D'EXTENSION DE DEMI-VIE**
[72] NILSSON, JOAKIM, SE
[72] NORDLING, ERIK, SE
[72] SVENSSON GELIUS, STEFAN, SE
[71] SWEDISH ORPHAN BIOVITRUM AB (PUBL), SE
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[54] **ASPHERICAL DOME DISPLAY AND METHOD OF REAR PROJECTION**
[54] **DISPOSITIF D'AFFICHAGE A DOME ASPHERIQUE ET PROCEDE DE PROJECTION ARRIERE**
[72] DE MEERLEER, PETER, BE
[71] SCIOTEQ BVBA, BE
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[25] EN
[54] **DOSAGE REGIMES FOR THE ADMINISTRATION OF GLUCAGON-LIKE-PEPTIDE-2 (GLP-2) ANALOGUES**
[54] **REGIMES POSOLOGIQUES POUR L'ADMINISTRATION D'ANALOGUES DU PEPTIDE-2 DE TYPE GLUCAGON (GLP-2)**
[72] SONNE, KIM, DK
[72] MOURITZEN, ULRIK, DK
[72] GLERUP, PETER, DK
[72] JEPPESEN, PALLE BEKKER, DK
[71] ZEALAND PHARMA A/S, DK
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[54] **LUBRICATING COMPOSITION FOR AND METHOD OF LUBRICATING AN INTERNAL COMBUSTION ENGINE**
[54] **COMPOSITION LUBRIFIANTE POUR MOTEUR A COMBUSTION INTERNE ET PROCEDE DE LUBRIFICATION D'UN MOTEUR A COMBUSTION INTERNE**
[72] VINCENT, PAUL R., GB
[72] SMITH, TIMOTHY R., GB
[72] PATTERSON, REID A., US
[72] PASHKOVSKI, EUGENE, US
[71] THE LUBRIZOL CORPORATION, US
[85] 2019-12-05
[86] 2018-06-26 (PCT/US2018/039414)
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[30] US (62/525,360) 2017-06-27

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[51] **Int.Cl. C07D 487/08 (2006.01) A61K 33/34 (2006.01) C07F 1/08 (2006.01)**
[25] EN
[54] **RADIOPHARMACEUTICALS, RADIOIMAGING AGENTS, AND USES THEREOF**
[54] **AGENTS RADIOPHARMACEUTIQUES, AGENTS DE RADIOIMAGERIE ET UTILISATIONS ASSOCIEES**
[72] ZIA, NICHOLAS ALAN, AU
[72] DONNELLY, PAUL STEPHEN, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
[85] 2019-12-05
[86] 2018-06-05 (PCT/AU2018/050555)
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[54] **METHOD AND SYSTEM FOR DETERMINING A PUPILLARY DISTANCE OF AN INDIVIDUAL**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UNE DISTANCE PUPILLAIRE D'UN INDIVIDU**
[72] LEBRUN, CHARLES, FR
[72] PETIGNAUD, CECILE, FR
[72] FRANCOIS, ALVIN, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2019-12-06
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[25] EN
[54] **STERILE ADAPTER FOR A LINEARLY-ACTUATING INSTRUMENT DRIVER**
[54] **ADAPTATEUR STERILE POUR UN DISPOSITIF D'ENTRAINEMENT D'INSTRUMENT A ACTIONNEMENT LINEAIRE**
[72] SCHEIB, CHARLES J., US
[72] BAJO, ANDREA, US
[72] ANDERSON, KENT M., US
[71] VERB SURGICAL INC., US
[85] 2019-12-05
[86] 2018-06-28 (PCT/US2018/040142)
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[54] **WOOD PARTICLE BOARD**
[54] **PANNEAU DE PARTICULES DE BOIS**
[72] KUVIK, LIBOR, SK
[71] IKEA SUPPLY AG, CH
[85] 2019-12-06
[86] 2018-06-25 (PCT/EP2018/066905)
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[30] SE (1750950-6) 2017-07-19

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[54] **PRESCRIPTION COMPATIBILITY CHECKING FOR A MEDICAL DEVICE**
[54] **VERIFICATION DE COMPATIBILITE D'ORDONNANCES POUR UN DISPOSITIF MEDICAL**
[72] CHAMNEY, PAUL, GB
[72] COHEN, HARVEY, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2019-12-05
[86] 2018-07-10 (PCT/US2018/041437)
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[54] **STEAM STERILIZED CATHETER ASSEMBLY**
[54] **ENSEMBLE CATHETER STERILISE A LA VAPEUR**
[72] UTAS, JAN, SE
[72] HEDEGARD, ANNA, SE
[71] DENTSPLY IH AB, SE
[85] 2019-12-06
[86] 2018-06-29 (PCT/EP2018/067615)
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[25] EN
[54] **SYSTEMS AND METHODS USING MULTI-WAVELENGTH SINGLE-PULSE RAMAN SPECTROSCOPY**
[54] **SYSTEMES ET PROCEDES UTILISANT UNE SPECTROSCOPIE RAMAN A IMPULSION UNIQUE A LONGUEURS D'ONDE MULTIPLES**
[72] ARNOLD, BRADLEY, US
[72] COOPER, CHRISTOPHER, US
[72] CATALDI, JOHN, US
[71] UNIVERSITY OF MARYLAND BALTIMORE COUNTY, US
[85] 2019-12-05
[86] 2018-08-03 (PCT/US2018/045227)
[87] (WO2018/227217)
[30] US (15/723,103) 2017-10-02
[30] US (62/515,682) 2017-06-06

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[54] **DEEP LEARNING-BASED SPLICE SITE CLASSIFICATION**
[54] **CLASSIFICATION DE SITE DE RACCORDEMENT BASEE SUR UN APPRENTISSAGE PROFOND**
[72] JAGANATHAN, KISHORE, US
[72] FARH, KAI-HOW, US
[72] KYRIAZOPOULOU PANAGIOTOPOULOU, SOFIA, US
[72] MCRAE, JEREMY FRANCIS, US
[71] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2018-10-15 (PCT/US2018/055915)
[87] (WO2019/079198)
[30] US (62/573,125) 2017-10-16
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[25] EN
[54] **FLOW CELLS WITH HYDROGEL COATING**
[54] **CELLULES D'ECOULEMENT DOTEES D'UN ENROBAGE D'HYDROGEL**
[72] REN, HONGJI, US
[72] BOUTELL, JONATHAN MARK, GB
[72] MOON, JOHN A., US
[72] BOWEN, M. SHANE, US
[72] NEMIROSKI, ALEX, US
[72] SKINNER, GARY MARK, GB
[72] CHEN, KENNY, US
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-12-05
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[30] US (62/609,105) 2017-12-21

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[51] **Int.Cl. F02K 7/06 (2006.01) F02C 5/12 (2006.01) F02K 7/20 (2006.01)**
[25] EN
[54] **JET ENGINE WITH CONTINUOUS AND DISCONTINUOUS IMPULSE**
[54] **MOTEUR A REACTION A IMPULSION CONTINUE ET DISCONTINUE**
[72] ACCION PENAS, ANTONIO, ES
[71] ACCION PENAS, ANTONIO, ES
[85] 2019-12-06
[86] 2018-06-11 (PCT/ES2018/070419)
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[25] EN
[54] **FAST DETECTOR OF ELECTROMAGNETIC RADIATION**
[54] **DETECTEUR RAPIDE DE RAYONNEMENT ELECTROMAGNETIQUE**
[72] SCORTICATI, DAVIDE, IT
[72] PELLEGRINO, SERGIO, IT
[72] CRAPELLA, GIACOMO, IT
[71] LASER POINT S.R.L., IT
[85] 2019-12-06
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[25] EN
[54] **PRESSURE TRANSFER DEVICE AND ASSOCIATED SYSTEM, FLEET AND USE, FOR PUMPING HIGH VOLUMES OF FLUIDS WITH PARTICLES AT HIGH PRESSURES**
[54] **DISPOSITIF DE TRANSFERT DE PRESSION ET SYSTEME, FLOTTE ET UTILISATION ASSOCIES, POUR POMPER DES VOLUMES ELEVES DE FLUIDES A PARTICULES A HAUTES PRESSIONS**
[72] MOLLATT, TORBJORN, NO
[71] RSM IMAGINEERING AS, NO
[85] 2019-12-06
[86] 2018-06-27 (PCT/EP2018/067209)
[87] (WO2019/007768)
[30] NO (20171099) 2017-07-04

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[25] EN
[54] **STABLE AQUEOUS POLYMER DISPERSIONS**
[54] **DISPERSIONS AQUEUSES STABLES DE POLYMERES**
[72] SAIJA, LEO MARIO, IT
[72] LUGLI, MARIO, IT
[72] FINETTI, FILIPPO, IT
[72] AMADEI, UMBERTO, IT
[71] ARKEMA FRANCE, FR
[85] 2019-12-06
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[30] EP (17183080.5) 2017-07-25

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[51] **Int.Cl. G05B 13/04 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **PREDICTIVE MODELLING AND CONTROL FOR WATER RESOURCE INFRASTRUCTURE**
[54] **MODELISATION ET COMMANDE PREDICTIVES D'INFRASTRUCTURE DE RESSOURCES D'EAU**
[72] GAFFOOR, THOUHEED ABDUL, CA
[72] SUTHAR, MEGH, CA
[72] MOHAMED, YOUSRA HAZEM KHALIL HELMY, CA
[71] EMAGIN CLEAN TECHNOLOGIES INC., CA
[85] 2019-12-06
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[87] (WO2018/225032)
[30] US (62/517,514) 2017-06-09

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[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CLEANING AND/OR OPERATING AN INK-JET PRINTER HEAD EQUIPPED WITH AN UPSTREAM PRESSURE ABSORBER**
[54] **DISPOSITIF ET PROCEDE POUR NETTOYER ET/OU FAIRE FONCTIONNER UNE TETE D'IMPRESSION A ENCRE OU JET D'ENCRE EQUIPEE D'UN AMORTISSEUR DE PRESSION MONTE EN AMONT**
[72] FRANCK, JAN, DE
[71] FRANCK, JAN, DE
[85] 2019-12-06
[86] 2018-06-11 (PCT/IB2018/000616)
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[51] **Int.Cl. G03F 1/62 (2012.01) G03F 1/64 (2012.01)**
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[54] **PELLICLE AND PELLICLE ASSEMBLY**
[54] **PELLICULE ET ENSEMBLE PELLICULE**
[72] VLES, DAVID FERDINAND, NL
[72] ANDE, CHAITANYA KRISHNA, NL
[72] DE GROOT, ANTONIUS FRANCISCUS JOHANNES, NL
[72] GIESBERS, ADRIANUS JOHANNES MARIA, NL
[72] JANSSEN, JOHANNES JOSEPH, NL
[72] JANSSEN, PAUL, NL
[72] KLOOTWIJK, JOHAN HENDRIK, NL
[72] KNAPEN, PETER SIMON ANTONIUS, NL
[72] KURGANOVA, EVGENIA, NL
[72] MEIJER, MARCEL PETER, NL
[72] MEIJERINK, WOUTER ROGIER, NL
[72] NASALEVICH, MAXIM ALEKSANDROVICH, NL
[72] NOTENBOOM, ARNOUD WILLEM, NL
[72] OLSMAN, RAYMOND, NL
[72] PATEL, HRISHIKESH, NL
[72] PETER, MARIA, NL
[72] VAN DEN BOSCH, GERRIT, NL
[72] VAN DEN EINDEN, WILHELMUS THEODORUS ANTHONIUS JOHANNES, NL
[72] VAN DER ZANDE, WILLEM JOAN, NL
[72] VAN ZWOL, PIETER-JAN, NL
[72] VERMEULEN, JOHANNES PETRUS MARTINUS BERNARDUS, NL
[72] VOORTHUIJZEN, WILLEM-PIETER, NL
[72] WONDERGEM, HENDRIKUS JAN, NL
[72] ZDRAVKOV, ALEXANDAR NIKOLOV, NL
[71] ASML NETHERLANDS B.V., NL
[85] 2019-12-06
[86] 2018-06-08 (PCT/EP2018/065127)
[87] (WO2018/228933)
[30] EP (17176205.7) 2017-06-15
[30] EP (17190503.7) 2017-09-12

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CD38 MODULATING ANTIBODY**
[54] **ANTICORPS PERMETTANT DE MODULER CD38**
[72] MERCHIERS, PASCAL, GB
[72] GOUBIER, ANNE, GB
[72] MOULDER, KEVIN, GB
[72] EISSLER, NINA, GB
[72] SALIMU, JOSEPHINE, GB
[72] FILOSTO, SIMONE, GB
[72] GOYENECHEA CORZO, BEATRIZ, GB
[72] BARUAH, HEMANTA, US
[72] PRINZ, BIANKA, US
[71] BLACK BELT THERAPEUTICS LIMITED, GB
[85] 2019-12-06
[86] 2018-06-08 (PCT/EP2018/065237)
[87] (WO2018/224682)
[30] US (62/517,150) 2017-06-08
[30] US (62/517,149) 2017-06-08
[30] US (62/517,165) 2017-06-09
[30] US (62/517,164) 2017-06-09
[30] US (62/517,734) 2017-06-09
[30] US (62/517,740) 2017-06-09
[30] US (62/517,745) 2017-06-09
[30] US (62/517,753) 2017-06-09
[30] US (62/546,322) 2017-08-16
[30] US (62/546,330) 2017-08-16
[30] US (62/582,676) 2017-11-07
[30] US (62/582,681) 2017-11-07
[30] US (62/582,666) 2017-11-07
[30] US (62/582,628) 2017-11-07
[30] US (62/582,653) 2017-11-07
[30] US (62/582,616) 2017-11-07

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[51] **Int.Cl. E04F 13/08 (2006.01)**
[25] EN
[54] **WALL OR CEILING PANEL AND WALL OR CEILING ASSEMBLY**
[54] **PANNEAU MURAL OU DE PLAFOND ET ENSEMBLE MUR OU PLAFOND**
[72] DE RICK, JAN, BE
[71] FLOORING INDUSTRIES LIMITED, SARL, LU
[85] 2019-12-06
[86] 2018-06-26 (PCT/IB2018/054697)
[87] (WO2019/003100)
[30] BE (BE2017/5454) 2017-06-27
[30] CN (201720973426.4) 2017-08-04
[30] BE (BE2018/5056) 2018-01-31

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[13] A1
[51] **Int.Cl. B27C 5/10 (2006.01) B27F 1/08 (2006.01)**
[25] EN
[54] **MORTISE AND TENON JIG**
[54] **GABARIT A TENON ET MORTAISE**
[72] GRISLEY, KENNETH M., CA
[71] LEIGH INDUSTRIES, LTD., CA
[85] 2019-12-06
[86] 2018-06-07 (PCT/IB2018/054127)
[87] (WO2018/225013)
[30] US (62/516,306) 2017-06-07

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CD38 MODULATING ANTIBODY**
[54] **ANTICORPS PERMETTANT DE MODULER CD38**
[72] MERCHIERS, PASCAL, GB
[72] GOUBIER, ANNE, GB
[72] MOULDER, KEVIN, GB
[72] EISSLER, NINA, GB
[72] SALIMU, JOSEPHINE, GB
[72] FILOSTO, SIMONE, GB
[72] GOYENECHEA CORZO, BEATRIZ, GB
[72] BARUAH, HEMANTA, US
[72] PRINZ, BIANKA, US
[71] BLACK BELT THERAPEUTICS LIMITED, GB
[85] 2019-12-06
[86] 2018-06-08 (PCT/EP2018/065239)
[87] (WO2018/224683)
[30] US (62/517,150) 2017-06-08
[30] US (62/517,149) 2017-06-08
[30] US (62/517,734) 2017-06-09
[30] US (62/517,740) 2017-06-09
[30] US (62/517,165) 2017-06-09
[30] US (62/517,164) 2017-06-09
[30] US (62/517,745) 2017-06-09
[30] US (62/517,753) 2017-06-09
[30] US (62/582,681) 2017-11-07
[30] US (62/582,666) 2017-11-07
[30] US (62/582,653) 2017-11-07
[30] US (62/582,676) 2017-11-07

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CD38 MODULATING ANTIBODY**
[54] **ANTICORPS PERMETTANT DE MODULER CD38**
[72] MERCHIERS, PASCAL, GB
[72] GOUBIER, ANNE, GB
[72] MOULDER, KEVIN, GB
[72] EISSLER, NINA, GB
[72] SALIMU, JOSEPHINE, GB
[72] FILOSTO, SIMONE, GB
[72] GOYENECHEA CORZO, BEATRIZ, GB
[72] BARUAH, HEMANTA, US
[72] PRINZ, BIANKA, US
[71] BLACK BELT THERAPEUTICS LIMITED, GB
[85] 2019-12-06
[86] 2018-06-08 (PCT/EP2018/065243)
[87] (WO2018/224685)
[30] US (62/517,150) 2017-06-08
[30] US (62/517,149) 2017-06-08
[30] US (62/517,165) 2017-06-09
[30] US (62/517,164) 2017-06-09
[30] US (62/517,734) 2017-06-09
[30] US (62/517,740) 2017-06-09
[30] US (62/517,745) 2017-06-09
[30] US (62/582,676) 2017-11-07
[30] US (62/582,681) 2017-11-07
[30] US (62/582,653) 2017-11-07
[30] US (62/517,753) 2017-06-09
[30] US (62/582,666) 2017-11-07

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[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A61K 9/19 (2006.01) A61K 31/19 (2006.01) A61K 31/192 (2006.01) A61K 31/194 (2006.01) A61K 31/203 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] MULDER, IMKE ELISABETH, GB
[72] ETTORE, ANNA, GB
[72] AHMED, SUAAD, GB
[72] FOTIADOU, PARTHENA, GB
[72] YUILLE, SAMANTHA, GB
[72] URCIA, JOSEPH ROBY IRINGAN, GB
[72] SAVIGNAC, HELENE, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2019-12-06
[86] 2018-06-14 (PCT/EP2018/065903)
[87] (WO2018/229236)
[30] GB (1709468.1) 2017-06-14
[30] GB (1709534.0) 2017-06-15
[30] GB (1712851.3) 2017-08-10
[30] GB (1803826.5) 2018-03-09
[30] GB (1805991.5) 2018-04-11
[30] GB (1805990.7) 2018-04-11
[30] GB (1805989.9) 2018-04-11
[30] GB (1806779.3) 2018-04-25
[30] GB (1806780.1) 2018-04-25

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[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 9/19 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A BACTERIAL STRAIN OF THE GENUS MEGASPHERA AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UNE SOUCHE BACTERIENNE DU GENRE MEGASPHERA ET LEURS UTILISATIONS**
[72] MULDER, IMKE ELISABETH, GB
[72] YUILLE, SAMANTHA, GB
[72] ETTORRE, ANNA, GB
[72] AHMED, SUAAD, GB
[72] FOTIADOU, PARTHENA, GB
[72] URCIA, JOSEPH ROBY IRINGAN, GB
[72] SAVIGNAC, HELENE, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2019-12-06
[86] 2018-06-14 (PCT/EP2018/065858)
[87] (WO2018/229216)
[30] GB (1709468.1) 2017-06-14
[30] GB (1709534.0) 2017-06-15
[30] GB (1712851.3) 2017-08-10
[30] GB (1803826.5) 2018-03-09
[30] GB (1805989.9) 2018-04-11
[30] GB (1805991.5) 2018-04-11
[30] GB (1805990.7) 2018-04-11
[30] GB (1806779.3) 2018-04-25
[30] GB (1806780.1) 2018-04-25

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[13] A1
[51] **Int.Cl. H02B 1/22 (2006.01) H02B 13/035 (2006.01)**
[25] EN
[54] **SWITCHGEAR WITH DOUBLE BUS CONFIGURATION**
[54] **APPAREILLAGE DE COMMUTATION A CONFIGURATION DOUBLE-BUS**
[72] YANNIELLO, ROBERT, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-12-06
[86] 2018-05-03 (PCT/US2018/030860)
[87] (WO2018/231357)
[30] US (15/625,200) 2017-06-16

[21] **3,066,564**
[13] A1
[51] **Int.Cl. B65D 47/12 (2006.01) B65D 1/02 (2006.01) B65D 23/06 (2006.01) B65D 25/48 (2006.01) B65D 35/38 (2006.01) B65D 39/08 (2006.01)**
[25] EN
[54] **CLOSURE**
[54] **FERMETURE**
[72] SPRICK, WILLIAM D., US
[72] DEUTSCH, MARK A., US
[72] BRAGG, JASON, US
[72] KORING, KARLA, US
[71] BERRY GLOBAL, INC., US
[85] 2019-12-06
[86] 2018-05-04 (PCT/US2018/031154)
[87] (WO2018/204825)
[30] US (62/501,430) 2017-05-04

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/47 (2006.01) A61P 43/00 (2006.01) C12N 9/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INTERNALIZING ENZYMES**
[54] **COMPOSITIONS ET METHODES POUR L'INTERNALISATION D'ENZYMES**
[72] BAIK, ANDREW, US
[72] CYGNAR, KATHERINE, US
[72] SCHOENHERR, CHRISTOPHER, US
[72] KYRATSOUS, CHRISTOS, US
[72] WANG, CHENG, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-06
[86] 2018-06-06 (PCT/US2018/036306)
[87] (WO2018/226861)
[30] US (62/516,656) 2017-06-07
[30] US (62/574,719) 2017-10-19
[30] US (62/673,098) 2018-05-17

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[13] A1
[51] **Int.Cl. F16H 25/20 (2006.01) B60N 2/06 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR HAVING EXTERNAL VARIABLE LIMIT SWITCHES**
[54] **ACTIONNEUR LINEAIRE AYANT DES INTERRUPTEURS DE FIN DE COURSE VARIABLES EXTERNES**
[72] GRAHAM, KENNETH R., US
[71] VIP CINEMA LLC, US
[85] 2019-12-06
[86] 2018-06-06 (PCT/US2018/036351)
[87] (WO2018/231607)
[30] US (62/516,570) 2017-06-07

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 39/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY USING ANTIBODY TO HUMAN SIGLEC-9 AND ANTIBODY TO HUMAN NKG2A FOR TREATING CANCER**
[54] **POLYTHERAPIE UTILISANT UN ANTICORPS DIRIGE CONTRE SIGLEC-9 HUMAIN ET ANTICORPS DIRIGE CONTRE NKG2A HUMAIN POUR LE TRAITEMENT DU CANCER**
[72] CORNEN, STEPHANIE, FR
[72] ROSSI, BENJAMIN, FR
[72] WAGTMANN, NICOLAI, US
[71] INNATE PHARMA, FR
[85] 2019-12-06
[86] 2018-07-09 (PCT/EP2018/068532)
[87] (WO2019/011852)
[30] US (62/530,454) 2017-07-10

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/18 (2006.01) C07K 14/16 (2006.01)**
[25] EN
[54] **POXVIRUS VECTORS ENCODING HIV ANTIGENS, AND METHODS OF USE THEREOF**
[54] **VECTEURS A POXVIRUS CODANT POUR DES ANTIGENES DU VIH, ET LEURS PROCEDES D'UTILISATION**
[72] WEGMANN, FRANK, NL
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL
[72] CUSTERS, JEROME HUBERTINA HENRICUS VICTOR, NL
[72] BOCKSTAL, VIKI, NL
[72] KALLA, MARKUS, DE
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[71] BAVARIAN NORDIC A/S, DK
[85] 2019-12-06
[86] 2018-06-14 (PCT/IB2018/054386)
[87] (WO2018/229711)
[30] US (62/520,079) 2017-06-15

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[13] A1
[51] **Int.Cl. B31F 1/07 (2006.01)**
[25] EN
[54] **DEVICE FOR MICRO-EMBOSSING OF PAPER AND PAPER PROCESSING LINE COMPRISING SAID DEVICE**
[54] **DISPOSITIF DE MICRO-GAUFRAGE DE PAPIER ET CHAINE DE TRAITEMENT DE PAPIER COMPRENANT LEDIT DISPOSITIF**
[72] PICCHI, FABIO, IT
[72] BUFFA, GIOVANNI, IT
[71] GAMBINI S.P.A., IT
[85] 2019-12-06
[86] 2018-06-13 (PCT/IB2018/054311)
[87] (WO2018/229676)
[30] IT (102017000065732) 2017-06-14

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[13] A1
[51] **Int.Cl. A61B 5/053 (2006.01) A61B 5/085 (2006.01)**
[25] EN
[54] **SPACING OF ELECTRODES FOR BIOIMPEDANCE MEASUREMENTS**
[54] **ESPACEMENT D'ELECTRODES POUR MESURES DE BIO-IMPEDANCE**
[72] FREEMAN, JENNY, US
[72] BRAYANOV, JORDAN, US
[72] STRONG, MARK H., US
[72] ARANOW, NICHOLAS, US
[71] RESPIRATORY MOTION, INC., US
[85] 2019-12-06
[86] 2018-06-07 (PCT/US2018/036475)
[87] (WO2018/226967)
[30] US (62/516,295) 2017-06-07

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[13] A1
[51] **Int.Cl. B05D 1/02 (2006.01) B65D 83/14 (2006.01) C09D 5/02 (2006.01)**
[25] EN
[54] **PRESSURIZED SPRAY SYSTEMS USING CARBON DIOXIDE**
[54] **SYSTEMES DE PULVERISATION A PRESSION UTILISANT DU DIOXYDE DE CARBONE**
[72] HALSTEAD, JOSHUA M., US
[72] ROBEY, LAUREN E., US
[71] SWIMC LLC, US
[71] HALSTEAD, JOSHUA M., US
[71] ROBEY, LAUREN E., US
[85] 2019-12-06
[86] 2018-06-07 (PCT/US2018/036379)
[87] (WO2018/226909)
[30] US (62/516,191) 2017-06-07

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[13] A1
[51] **Int.Cl. F24H 1/00 (2006.01)**
[25] EN
[54] **HIGH EFFICIENCY GAS-FIRED WATER HEATER**
[54] **CHAUFFE-EAU ALIMENTE AU GAZ, A HAUT RENDEMENT**
[72] ZHANG, QIAN, US
[72] TRANT, TROY E., US
[72] SCOTT, TIMOTHY D., US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2019-12-06
[86] 2018-06-06 (PCT/US2018/036273)
[87] (WO2018/226843)
[30] US (15/617,518) 2017-06-08

[21] **3,066,585**
[13] A1
[51] **Int.Cl. C07C 51/41 (2006.01) C07C 53/126 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF HYDROCARBON SOLUBLE ORGANOMETALLIC CATALYSTS**
[54] **PROCEDE DE PREPARATION DE CATALYSEURS ORGANOMETALLIQUES SOLUBLES DANS DES HYDROCARBURES**
[72] KOTTARI, NARESH, IN
[72] RAJA, KANUPARTHY NAGA, IN
[72] CHINTALAPATI, SIVA KESAVA RAJU, IN
[72] PUDI, SATYANARAYANA MURTY, IN
[72] SHARMA, BHAVESH, IN
[72] MANGALA, RAMKUMAR, IN
[72] CHALAPATHI RAO, PEDDY VENKATA, IN
[72] VENKATESWARLU CHOUDARY, NETTAM, IN
[72] GANDHAM, SRIGANESH, IN
[71] HINDUSTAN PETROLEUM CORPORATION LIMITED, IN
[85] 2019-12-06
[86] 2017-11-07 (PCT/IN2017/050512)
[87] (WO2018/235094)
[30] IN (201741021461) 2017-06-19

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[13] A1
[51] **Int.Cl. G02B 6/36 (2006.01)**
[25] EN
[54] **CLEANING TOOL FOR OPTICAL CONNECTOR**
[54] **DISPOSITIF DE NETTOYAGE POUR CONNECTEUR OPTIQUE**
[72] NAKANE, JUNICHI, JP
[71] FUJIKURA LTD., JP
[85] 2019-12-06
[86] 2018-02-16 (PCT/JP2018/005470)
[87] (WO2018/230040)
[30] JP (2017-117010) 2017-06-14

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[13] A1
[51] **Int.Cl. C07D 213/73 (2006.01) A01N 43/40 (2006.01) A01N 43/84 (2006.01) A01N 47/18 (2006.01) A01P 3/00 (2006.01) C07D 213/74 (2006.01) C07D 213/75 (2006.01) C07D 213/80 (2006.01)**
[25] EN
[54] **PYRIDONE COMPOUNDS AND AGRICULTURAL AND HORTICULTURAL FUNGICIDES CONTAINING THE SAME AS ACTIVE INGREDIENTS**
[54] **COMPOSE DE PYRIDONE ET FONGICIDE AGRICOLE ET HORTICOLE**
[72] UMETANI, HIDEKI, JP
[72] IKISHIMA, HIDEAKI, JP
[72] TAKAGI, KOUJI, JP
[72] FUKUMOTO, TAKESHI, JP
[72] NAITO, RYOHEI, JP
[72] SHIRAKAWA, TOMOMI, JP
[72] KOISHIHARA, HIKARU, JP
[72] YAMANAKA, HISAKI, JP
[72] KAWASHIMA, MIYUKI, JP
[72] SAKURADA, AKANE, JP
[71] MITSUI CHEMICALS AGRO, INC., JP
[85] 2019-12-06
[86] 2018-06-07 (PCT/JP2018/021900)
[87] (WO2018/225829)
[30] JP (2017-113810) 2017-06-08

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[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) A01H 1/00 (2006.01) A01K 67/027 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING DNA-EDITED EUKARYOTIC CELL, AND KIT USED IN THE SAME**
[54] **PROCEDE DE FABRICATION D'UNE CELLULE EUCARYOTE EDITEE PAR UN ADN, ET KIT UTILISE DANS LE PROCEDE**
[72] MASHIMO, TOMOJI, JP
[72] TAKEDA, JUNJI, JP
[72] MORISAKA, HIROYUKI, JP
[72] YOSHIMI, KAZUTO, JP
[71] OSAKA UNIVERSITY, JP
[85] 2019-12-06
[86] 2018-06-08 (PCT/JP2018/022066)
[87] (WO2018/225858)
[30] JP (2017-113747) 2017-06-08

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[13] A1
[51] **Int.Cl. C08F 279/04 (2006.01) C08L 51/04 (2006.01) C08L 101/00 (2006.01) C23C 18/16 (2006.01)**
[25] EN
[54] **PLATABILITY IMPROVER, MOLDED OBJECT FOR PLATING, PELLET COMPOSITION FOR PLATING, PLATED MOLDED OBJECT, AND PLATING METHOD**
[54] **AGENT AMELIORANT L'APTITUDE AU PLACAGE, OBJET MOULE DESTINE A ETRE PLAQUE, COMPOSITION DE PASTILLE DE PLACAGE, OBJET MOULE PLAQUE ET PROCEDE DE PLACAGE**
[72] OONO, NORIYOSHI, JP
[72] IMOTO, YUKA, JP
[72] KITAGUCHI, HIRONORI, JP
[72] WATANABE, ATSUSHI, JP
[71] TECHNO-UMG CO., LTD., JP
[85] 2019-12-06
[86] 2018-07-06 (PCT/JP2018/025775)
[87] (WO2019/009421)
[30] JP (2017-134124) 2017-07-07
[30] JP (2017-134125) 2017-07-07
[30] JP (2017-134126) 2017-07-07
[30] JP (2017-134127) 2017-07-07

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[13] A1
[51] **Int.Cl. C07C 271/02 (2006.01) A61K 31/16 (2006.01)**
[25] EN
[54] **PHARMACEUTICALLY ACCEPTABLE SALT OF ALKYLCARBAMOYL NAPHTHALENYLOXY OCTENOYLHYDROXYAMIDE OR OF DERIVATIVE THEREOF AND METHOD FOR PREPARING SAME**
[54] **SEL PHARMACEUTIQUEMENT ACCEPTABLE D'ALKYLCARBAMOYL NAPHTALENYLOXY OCTENOYLHYDROXYAMIDE OU D'UN DERIVE DE CELUI-CI ET SON PROCEDE DE PREPARATION**
[72] CHO, JAE PYOUNG, KR
[72] JUNG, YONG HO, KR
[72] CHO, JOONG MYUNG, KR
[71] CRYSTALGENOMICS, INC., KR
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[30] KR (10-2017-0075872) 2017-06-15

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[54] **APPLICATION OF TOTAROL AND PHARMACEUTICAL COMPOSITION CONTAINING TOTAROL**
[54] **APPLICATION DE TOTAROL ET COMPOSITION PHARMACEUTIQUE CONTENANT DU TOTAROL**
[72] CIECIARA, MARIUSZ, PL
[72] WRZOSEK, ARTUR, PL
[71] EMERGOPHARM SP. Z O.O. SP.K., PL
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[25] EN
[54] **COMPOSITION FOR REGULATING PLANT GROWTH, METHOD FOR TREATING PLANTS THEREWITH, AND ACTIVE INGREDIENT THEREOF**
[54] **COMPOSITION POUR REGULER LA CROISSANCE DE PLANTES, PROCEDE DE TRAITEMENT DE PLANTES AVEC CETTE COMPOSITION ET PRINCIPE ACTIF QU'ELLE COMPREND**
[72] GORBUNOV, SERGEI VALERYEVICH, RU
[71] STARIKOV, IVAN ALEKSANDROVICH, RU
[71] GORBUNOV, SERGEI VALERYEVICH, RU
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[51] **Int.Cl. H04L 1/00 (2006.01)**
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[54] **METHOD OF SUPPORTING DATA REPLICATION, TRANSMITTING TERMINAL DEVICE AND RECEIVING TERMINAL DEVICE**
[54] **PROCEDE DE PRISE EN CHARGE DE REPLICATION DE DONNEES, DISPOSITIF TERMINAL DE TRANSMISSION ET DISPOSITIF TERMINAL DE RECEPTION**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[51] **Int.Cl. C22F 1/057 (2006.01) B23P 9/00 (2006.01) B24B 39/00 (2006.01)**
[25] FR
[54] **THIN SHEETS MADE OF ALUMINIUM-COPPER-LITHIUM ALLOY FOR AIRCRAFT FUSELAGE MANUFACTURE**
[54] **TOLES MINCES EN ALLIAGE D'ALUMINIUM-CUIVRE-LITHIUM POUR LA FABRICATION DE FUSELAGE D'AVION**
[72] DAVO GUTIERREZ, MARIA BELEN, FR
[72] PEGUET, LIONEL, FR
[72] SAFRANY, JEAN-SYLVESTRE, FR
[72] EBERL, FRANK, FR
[72] BRET, THIBAUD, FR
[71] CONSTELLIUM ISSOIRE, FR
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[54] **TABLET DISPENSER**
[54] **DISTRIBUTEUR DE COMPRIMES**
[72] ZETTERSTOM, AKE, SE
[71] MEDICPEN AB, SE
[85] 2019-12-06
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[25] EN
[54] **GAS-INSULATED SWITCHGEAR WITH VERTICALLY STACKED INTERRUPTERS**
[54] **APPAREILLAGE DE COMMUTATION A ISOLATION GAZEUSE A INTERRUPTEURS EMPILES VERTICALEMENT**
[72] YANNIELLO, ROBERT, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-12-06
[86] 2018-05-03 (PCT/US2018/030835)
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[30] US (15/624,972) 2017-06-16

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[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01)**
[25] EN
[54] **DIGITAL WALLET APPLICATION FOR MOBILE PAYMENT**
[54] **APPLICATION DE PORTEFEUILLE NUMERIQUE POUR PAIEMENT MOBILE**
[72] MAKHOTIN, M. OLEG, FR
[72] ELHAOUSSINE, M. MEHDI, FR
[71] IDEMIA FRANCE, FR
[85] 2019-12-06
[86] 2018-05-24 (PCT/EP2018/063693)
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[25] EN
[54] **GENERATING DRILLING PATHS USING A DRILL MODEL**
[54] **GENERATION DE TRAJECTOIRES DE FORAGE A L'AIDE D'UN MODELE DE FORAGE**
[72] MENAND, STEPHANE, US
[71] DRILLSCAN FRANCE SAS, FR
[85] 2019-12-06
[86] 2018-05-04 (PCT/US2018/031176)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING LIVER DISEASE**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UNE MALADIE HEPATIQUE**
[72] ALPINI, GIANFRANCO, US
[72] GLASER, SHANNON S., US
[72] MENG, FANYIN, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS FAIRS, US
[85] 2019-12-06
[86] 2018-05-04 (PCT/US2018/031261)
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[13] A1
[51] **Int.Cl. G06Q 50/26 (2012.01)**
[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR ELECTRONIC DIGITAL ASSISTANT FOR NATURAL LANGUAGE DETECTION OF A USER STATUS CHANGE AND CORRESPONDING MODIFICATION OF A USER INTERFACE**
[54] **PROCEDE, DISPOSITIF ET SYSTEME D'ASSISTANT NUMERIQUE ELECTRONIQUE PERMETTANT LA DETECTION EN LANGAGE NATUREL D'UN CHANGEMENT D'ETAT D'UTILISATEUR ET MODIFICATION CORRESPONDANTE D'UNE INTERFACE UTILISATEUR**
[72] JOHNSON, ERIC, US
[72] SIDDOWAY, CRAIG, US
[72] JARVINEN, JARI P., US
[72] NILSEN, RYAN M., US
[72] ZAAG, BERT VAN DER, US
[72] TRAN, CHI T., US
[72] BRYANT, ERIN B., US
[71] MOTOROLA SOLUTIONS, INC., US
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[86] 2018-05-24 (PCT/US2018/034413)
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[54] **USER CUSTOMIZABLE PERSONAL REMOTE CONTROL WITH MULTI BEAM INFRARED SYSTEM**
[54] **TELECOMMANDE PERSONNELLE PERSONNALISABLE PAR L'UTILISATEUR A SYSTEME INFAROUGE MULTIFAISCEAU**
[72] FEILLES, PATRICE, AG
[71] FEILLES, PATRICE, AG
[85] 2019-12-06
[86] 2017-06-24 (PCT/IB2017/053785)
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[25] EN
[54] **BLOOD VESSEL MODEL**
[54] **MODELE DE VAISSEAU SANGUIN**
[72] ITO, KOJU, JP
[72] KAKINUMA, CHIHAYA, JP
[72] HIKIMOTO, DAICHI, JP
[72] MIMA, SHINJI, JP
[72] SUEHIRO, TAKAFUMI, JP
[72] NEVILLE, CRAIG M., US
[72] SUNDBACK, CATHRYN A., US
[71] FUJIFILM CORPORATION, JP
[71] THE GENERAL HOSPITAL CORPORATION, US
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[54] **ROD CADDY**
[54] **PORTE-TIGE**
[72] SMITH, DAVID BRUCE, US
[71] SMITH, DAVID BRUCE, US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036737)
[87] (WO2018/227143)
[30] US (65/516,695) 2017-06-08
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[25] EN
[54] **LASER MARKING COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS DE MARQUAGE AU LASER ET PROCEDES POUR LES PRODUIRE ET LES UTILISER**
[72] HUDDLESTON, RYAN RICHARD, US
[72] KAUS, ROBERT, US
[71] VV MATERIALS LLC, US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036751)
[87] (WO2018/227152)
[30] US (62/603,640) 2017-06-08

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **WELDING TORCH WITH A FIRST CONTACT TIP TO PREHEAT WELDING WIRE AND A SECOND CONTACT TIP**
[54] **CHALUMEAU DE SOUDAGE DOTE D'UNE PREMIERE POINTE DE CONTACT POUR PRECHAUFFER UN FIL DE SOUDAGE ET D'UNE SECONDE POINTE DE CONTACT**
[72] SIGL, DENNIS ROLAND, US
[72] UECKER, JAMES LEE, US
[72] ZWAYER, JAKE BRADLEY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036915)
[87] (WO2018/227195)
[30] US (62/517,534) 2017-06-09

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[51] **Int.Cl. A61K 35/741 (2015.01) A61K 35/742 (2015.01) A61K 35/747 (2015.01) A61K 31/59 (2006.01) A61K 31/593 (2006.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **VITAMIN D COMPOUNDS AND METHODS OF USING THE SAME**
[54] **COMPOSES DE VITAMINE D ET LEURS PROCEDES D'UTILISATION**
[72] MCDERMOTT, ROBERT, US
[72] JAIN, NEAL, US
[71] ALLERGYINTELLECT, INC, US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036742)
[87] (WO2018/227146)
[30] US (62/517,069) 2017-06-08
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[51] **Int.Cl. A61M 1/00 (2006.01) A61F 9/007 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **INFUSION PRESSURE CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DE PRESSION DE PERFUSION**
[72] ROSSI, TOMMASO, IT
[72] QUERZOLI, GIORGIO, IT
[72] ANGELINI, GIOVANNI BATTISTA, IT
[72] MALVASI, CARLO, IT
[71] OPTIKON 2000 S.P.A., IT
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[25] EN
[54] **METHODS AND APPARATUS FOR DYNAMIC CONTROL OF CONNECTIONS TO CO-EXISTING RADIO ACCESS NETWORKS**
[54] **PROCEDES ET APPAREIL DE COMMANDE DYNAMIQUE DE CONNEXIONS A DES RESEAUX D'ACCES RADIO CO-EXISTANTS**
[72] GUNASEKARA, DON, US
[72] DIVVI, VENKATA RAMANA, US
[72] BENCHEIKH, AHMED, US
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2019-12-06
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[51] **Int.Cl. C12N 15/86 (2006.01) C12N 15/117 (2010.01)**
[25] EN
[54] **SELF-REGULATING AAV VECTORS FOR SAFE EXPRESSION OF MECP2 IN RETT SYNDROME**
[54] **VECTEURS AAV A AUTOREGULATION POUR L'EXPRESSION SANS RISQUE DE MECP2 DANS LE SYNDROME DE RETT**
[72] ESTEVES, MIGUEL SENA, US
[72] GAO, GUANGPING, US
[72] GREEN, MICHAEL R., US
[72] WANG, DAN, US
[72] SIMONE, TESSA MERCEDES, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2019-12-06
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[87] (WO2018/226785)
[30] US (62/516,060) 2017-06-06

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[51] **Int.Cl. A61F 2/00 (2006.01) C12N 5/071 (2010.01) C12M 1/00 (2006.01) C12N 5/00 (2006.01) C12N 11/04 (2006.01) C12N 11/08 (2006.01) C12N 11/14 (2006.01)**
[25] EN
[54] **LIVING TISSUE MODEL DEVICE, VASCULAR WALL MODEL, VASCULAR WALL MODEL DEVICE AND METHOD OF EVALUATING TEST SUBSTANCE**
[54] **DISPOSITIF DE MODELE DE TISSU VIVANT, MODELE DE PAROI VASCULAIRE, DISPOSITIF DE MODELE DE PAROI VASCULAIRE ET PROCEDE D'EVALUATION DE SUBSTANCE DE TEST**
[72] ITO, KOJU, JP
[72] KAKINUMA, CHIHAYA, JP
[72] NISHINO, MASAFUMI, JP
[72] MIMA, SHINJI, JP
[72] NEVILLE, CRAIG M., US
[72] SUNDBACK, CATHRYN A., US
[71] FUJIFILM CORPORATION, JP
[71] THE GENERAL HOSPITAL CORPORATION, US
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[87] (WO2018/226901)
[30] US (15/618,150) 2017-06-09

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[51] **Int.Cl. A01N 1/02 (2006.01)**
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[54] **APPARATUS FOR TISSUE TRANSPORT AND PRESERVATION**
[54] **APPAREIL POUR LE TRANSPORT ET LA CONSERVATION DE TISSU**
[72] JUDSON, JARED ALDEN, US
[72] ANDERSON, LISA MARIA, US
[72] EDELMAN, WILLIAM, US
[71] PARAGONIX TECHNOLOGIES, INC., US
[85] 2019-12-06
[86] 2018-06-07 (PCT/US2018/036508)
[87] (WO2018/226993)
[30] US (62/516,581) 2017-06-07
[30] US (62/584,330) 2017-11-10
[30] US (62/650,610) 2018-03-30

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[51] **Int.Cl. C04B 28/14 (2006.01)**
[25] EN
[54] **NO FIBER CALCINATION OF GYPSUM FOR GYPSUM FIBERBOARD**
[54] **CALCINATION DE GYPSE SANS FIBRE POUR PANNEAU DE FIBRES DE GYPSE**
[72] XU, YUFENG, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2019-12-06
[86] 2018-06-15 (PCT/US2018/037717)
[87] (WO2018/232218)
[30] US (15/625,343) 2017-06-16

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[51] **Int.Cl. G01N 33/543 (2006.01) B01J 19/00 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL POLYMER NETWORKS AND THEIR USE**
[54] **RESEAUX POLYMERES TRIDIMENSIONNELS ET LEUR UTILISATION**
[72] KLAPPROTH, HOLGER, DE
[72] BEDNAR, SONJA, DE
[71] SAFEGUARD BIOSYSTEMS HOLDINGS LTD., GB
[85] 2019-12-09
[86] 2018-06-18 (PCT/EP2018/066148)
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[30] EP (17176572.0) 2017-06-19

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[51] **Int.Cl. H02B 13/00 (2006.01) H02B 13/035 (2006.01) H02B 13/045 (2006.01)**
[25] EN
[54] **ISOLATING GAS-INSULATED BUS ARRANGEMENTS FOR SWITCHGEAR**
[54] **AGENCEMENTS DE BUS ISOLES AU GAZ ISOLANT POUR APPAREILLAGE DE COMMUTATION**
[72] BEAVER, JON CHRISTOPHER, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-12-06
[86] 2018-06-15 (PCT/US2018/037746)
[87] (WO2018/232236)
[30] US (62/520,883) 2017-06-16

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[51] **Int.Cl. C09J 201/00 (2006.01) B27N 1/02 (2006.01) B27N 3/02 (2006.01) C09J 11/06 (2006.01) C09J 103/02 (2006.01) C09J 189/00 (2006.01)**
[25] EN
[54] **ADHESIVE WITH TACK AND USE IN WOOD COMPOSITE PRODUCTS**
[54] **ADHESIF POURVU DE PEGOSITE ET UTILISATION DANS DES PRODUITS COMPOSITES A BASE DE BOIS**
[72] KINIO, DENNIS MICHAEL, CA
[72] SMEETS, NIELS MATHIEU BARBARA, CA
[72] JOLLET, VERONIQUE, CA
[72] KARAGIANNIDIS, EMMANOUIL, GR
[72] GABREHIWET, LEM, CA
[72] MESNAGER, JULIEN, FRANCOIS, MARIE, ANTOINE, PHILIPPE, CA
[71] ECOSYNTHETIX INC., CA
[85] 2019-12-09
[86] 2018-06-29 (PCT/CA2018/050806)
[87] (WO2019/000103)
[30] US (15/637,694) 2017-06-29
[30] CA (2,972,410) 2017-06-30

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[51] **Int.Cl. B63B 21/50 (2006.01) B63B 22/02 (2006.01)**
[25] EN
[54] **TURRET MOORING BUOY SYSTEM**
[54] **SYSTEME DE BOUEE D'AMARRAGE A TOURELLE**
[72] DARAN, RENAUD, MC
[72] SCHUT, XAVIER, MC
[72] BAUDUIN, CHRISTIAN RAYMOND, MC
[71] SINGLE BUOY MOORINGS INC., CH
[85] 2019-12-09
[86] 2018-06-21 (PCT/EP2018/066637)
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[30] EP (17177476.3) 2017-06-22

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[51] **Int.Cl. C22B 3/06 (2006.01) C22B 11/00 (2006.01)**
[25] EN
[54] **LEACHING PROCESS**
[54] **PROCEDE DE LIXIVIATION**
[72] VOIGT, PAUL BENJAMIN, AU
[72] GHAHREMAN, AHMAD, CA
[71] GLENCORE TECHNOLOGY PTY LIMITED, AU
[85] 2019-12-09
[86] 2018-06-07 (PCT/AU2018/050565)
[87] (WO2018/223190)
[30] AU (2017902196) 2017-06-08

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[13] A1
[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **RESPIRATORY VOLUME MONITOR AND VENTILATOR**
[54] **MONITEUR ET VENTILATEUR DE VOLUME RESPIRATOIRE**
[72] FREEMAN, JENNY, US
[72] BRAYANOV, JORDAN, US
[72] STRONG, MARK H., US
[72] DRAPER, DANIEL, US
[72] QIU, CHUNYUAN, US
[71] RESPIRATORY MOTION, INC., US
[85] 2019-12-06
[86] 2018-06-07 (PCT/US2018/036524)
[87] (WO2018/226999)
[30] US (62/516,425) 2017-06-07

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[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXPOSING AND INTEGRATING MULTIPLE SUPPLY CHAIN AND DELIVERY NETWORKS TO OPTIMIZE CAPACITY UTILIZATIONS**
[54] **SYSTEME ET PROCEDE D'EXPOSITION ET D'INTEGRATION DE MULTIPLES RESEAUX DE CHAINES D'APPROVISIONNEMENT ET DE LIVRAISON POUR OPTIMISER DES UTILISATIONS DE CAPACITES**
[72] LAFRANCE, CHRISTIAN, CA
[71] DEVELOPPEMENT PI INC., CA
[85] 2019-12-09
[86] 2018-06-29 (PCT/CA2018/050810)
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[51] **Int.Cl. H02B 13/00 (2006.01) H02B 13/035 (2006.01)**
[25] EN
[54] **ISOLATING BUS ENCLOSURE ARRANGEMENTS FOR SWITCHGEAR**
[54] **AGENCEMENTS D'ENCEINTE DE BUS D'ISOLATION POUR UN APPAREILLAGE DE COMMUTATION**
[72] BEAVER, JON CHRISTOPHER, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-12-06
[86] 2018-06-15 (PCT/US2018/037762)
[87] (WO2018/232246)
[30] US (62/520,837) 2017-06-16

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[51] **Int.Cl. A61K 35/15 (2015.01) A61K 38/10 (2006.01) A61K 39/00 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **NEOANTIGEN IDENTIFICATION, MANUFACTURE, AND USE**
[54] **IDENTIFICATION, PRODUCTION ET UTILISATION DE NEO-ANTIGENES**
[72] BULIK-SULLIVAN, BRENDAN, US
[72] YELENSKY, ROMAN, US
[72] BUSBY, JENNIFER, US
[72] DERTI, ADNAN, US
[71] GRITSTONE ONCOLOGY, INC., US
[85] 2019-12-06
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[54] **GENERATING QUANTUM ELECTRODYNAMIC (QED) INTERACTIONS USING A PARABOLIC TRANSMISSION MIRROR**
[54] **PRODUCTION D'INTERACTIONS ELECTRODYNAMIQUES QUANTIQUES (QED) A L'AIDE D'UN MIROIR DE TRANSMISSION PARABOLIQUE**
[72] MACLEAN, STEVE, CA
[72] PAYEUR, STEPHANE, CA
[72] FILION-GOURDEAU, FRANCOIS, CA
[72] FOURMAUX, SYLVAIN, CA
[72] DUMONT, JOEY, CA
[71] INFINITE POTENTIAL LABORATORIES LP, CA
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[54] **PRODUCTION PROCESS FOR HIGH PURITY ALGAE**
[54] **PROCESSUS DE PRODUCTION D'ALGUES DE HAUTE PURETE**
[72] CHEN, JIANWEI, CA
[71] CHEN, JIANWEI, CA
[85] 2019-12-09
[86] 2018-06-08 (PCT/CA2018/050691)
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[54] **SAFETY DEVICE FOR GUARD RAIL**
[54] **DISPOSITIF DE SECURITE POUR GARDE-CORPS**
[72] NICKELSTON, ANDREW, US
[72] HEDICK, STARLETT, US
[72] CUNDIFF, TERRY, US
[71] NICKELSTON, ANDREW, US
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[86] 2018-06-08 (PCT/US2018/036638)
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[30] US (62/517,641) 2017-06-09
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[51] **Int.Cl. G03F 7/20 (2006.01) B41C 1/05 (2006.01) G03F 7/24 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WRITING IMAGEABLE MATERIAL USING MULTIPLE BEAMS**
[54] **PROCEDE ET APPAREIL D'ECRITURE DE MATERIAU POUVANT FAIRE L'OBJET D'UNE IMAGERIE A L'AIDE DE MULTIPLES FAISCEAUX**
[72] WATTYN, BART MARK LUC, BE
[72] DE RAUW, DIRK LUDO JULIEN, BE
[71] XEIKON PREPRESS N.V., BE
[85] 2019-12-09
[86] 2018-06-07 (PCT/EP2018/065040)
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[54] **LIPIDATED STREPTOCOCCUS PNEUMONIAE ANTIGEN COMPOSITIONS, METHODS OF PREPARATION AND USE**
[54] **COMPOSITIONS D'ANTIGENES DE STREPTOCOCCUS PNEUMONIAE LIPIDES, PROCEDES DE PREPARATION ET D'UTILISATION**
[72] LENG, CHIH-HSIANG, TW
[72] CHEN, WANGXUE, CA
[72] CHONG, PELE, TW
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[71] NATIONAL HEALTH RESEARCH INSTITUTE, TW
[85] 2019-12-09
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[54] **TARGETED DISRUPTION OF T CELL AND/OR HLA RECEPTORS**
[54] **INTERRUPTION CIBLEE DE RECEPTEURS DE LYMPHOCYTES T ET/OU DE HLA**
[72] CONWAY, ANTHONY, US
[72] JAIN, SUMITI, US
[72] LEE, GARY K., US
[72] PASCHON, DAVID, US
[72] REBAR, EDWARD J., US
[72] ZHANG, LEI, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2019-12-06
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[54] **T7 RNA POLYMERASE VARIANTS**
[54] **VARIANTS D'ARN POLYMERASE T7**
[72] MILLER, MATHEW G., US
[72] CHNG, CHINPING, US
[72] ALVIZO, OSCAR, US
[72] MAYO, MELISSA ANN, US
[72] RIGGINS, JAMES NICHOLAS, US
[72] YI, XIANG, US
[72] PENFIELD, JONATHAN S., US
[72] HUISMAN, GJALT W., US
[71] CODEXIS, INC., US
[85] 2019-12-06
[86] 2018-06-19 (PCT/US2018/038288)
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[54] **MULTISTAGE DOHERTY POWER AMPLIFIER AND TRANSMITTER**
[54] **AMPLIFICATEUR DE PUISSANCE DOHERTY A ETAGES MULTIPLES ET EMETTEUR**
[72] WANG, ZHANCANG, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-09
[86] 2017-07-21 (PCT/CN2017/093777)
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[25] EN
[54] **A METHOD AND SYSTEM FOR COMPUTER-AIDED TRIAGE**
[54] **PROCEDE ET SYSTEME DE TRIAGE ASSISTE PAR ORDINATEUR**
[72] MANSI, CHRISTOPHER, US
[72] GOLAN, DAVID, US
[71] VIZ.AI, INC., US
[85] 2019-12-06
[86] 2018-06-19 (PCT/US2018/038334)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR IDENTIFYING EPITOPES**
[54] **PROCEDES ET COMPOSITIONS POUR L'IDENTIFICATION D'EPITOPES**
[72] HAJ DEZFULIAN, MOHAMMAD, US
[72] ELLEDGE, STEPHEN, US
[72] KULA, TOMASZ, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC, US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036663)
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[54] **SYSTEM AND METHOD TO STIMULATE THE OPTIC NERVE**
[54] **SYSTEME ET PROCEDE POUR STIMULER LE NERF OPTIQUE**
[72] BAHMANI, HAMED, DE
[72] MUSCHENICH, MARKUS, DE
[72] LAUTNER, CHRISTIAN, DE
[71] DOPAVISION GMBH, DE
[85] 2019-12-09
[86] 2018-06-08 (PCT/EP2018/065213)
[87] (WO2018/224671)
[30] DE (10 2017 112 694.5) 2017-06-08
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[25] EN
[54] **QUANTIFYING SLFN11 PROTEIN FOR OPTIMAL CANCER THERAPY**
[54] **QUANTIFICATION DE PROTEINE SLFN11 POUR THERAPIE ANTICANCEREUSE OPTIMALE**
[72] CECCHI, FABIOLA, US
[72] SCHWARTZ, SARIT, US
[72] HEMBROUGH, TODD, US
[72] RUDIN, CHARLES MICHAEL, US
[72] POIRIER, JOHN THOMAS, US
[71] NANTOMICS, LLC, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2019-12-06
[86] 2018-06-20 (PCT/US2018/038546)
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[25] EN
[54] **CONSTANT CURRENT FAST CHARGING OF ELECTRIC VEHICLES VIA DC GRID USING DUAL INVERTER DRIVE**
[54] **CHARGE RAPIDE A COURANT CONSTANT DE VEHICULES ELECTRIQUES PAR LE BIAIS D'UN RESEAU DE DISTRIBUTION DE COURANT CONTINU EN UTILISANT UN CIRCUIT D'ATTAQUE A DOUBLE ONDULEUR**
[72] LEHN, PETER WALDEMAR, CA
[72] SHI, RUOYUN, CA
[72] SOONG, THEODORE, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[71] HAVELAAR CANADA INDUSTRIAL R & D LABORATORY LTD., CA
[85] 2019-12-09
[86] 2018-06-15 (PCT/CA2018/050731)
[87] (WO2018/227307)
[30] US (62/519,946) 2017-06-15
[30] CA (2983328) 2017-10-23
[30] US (62/607,549) 2017-12-19

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[25] EN
[54] **COAXIAL LASER HOTWIRE HEAD**
[54] **TETE DE FIL CHAUD A LASER COAXIAL**
[72] LIU, SHUANG, US
[72] MILLER, ERIK, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036672)
[87] (WO2018/227097)
[30] US (62/517,781) 2017-06-09
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[25] EN
[54] **FLAME RETARDED POLYURETHANE FOAM**
[54] **MOUSSE DE POLYURETHANE IGNIFUGEE**
[72] TANG, YONG, US
[72] IBAY, AUGUSTO CAESAR, US
[71] ALBEMARLE CORPORATION, US
[85] 2019-12-06
[86] 2018-06-26 (PCT/US2018/039562)
[87] (WO2019/005837)
[30] US (62/525,596) 2017-06-27
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[25] EN
[54] **BROMINATED FLAME RETARDANT AND ITS APPLICATION IN POLYURETHANE FOAMS**
[54] **RETARDATEUR DE FLAMME BROME ET SON APPLICATION DANS DES MOUSSES DE POLYURETHANE**
[72] WU, TSE-CHONG, US
[72] IBAY, AUGUSTO CAESAR, US
[72] O'DAY, JOSEPH MORGAN, US
[71] ALBEMARLE CORPORATION, US
[85] 2019-12-06
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[51] **Int.Cl. A61B 1/05 (2006.01)**
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[54] **STABILIZATION OF EAR DEVICES**
[54] **STABILISATION DE DISPOSITIFS AURICULAIRES**
[72] BOUCHER, RYAN, US
[71] ZIPLINE HEALTH, INC., US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036715)
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[30] US (62/517,852) 2017-06-09

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[54] **HIGH THROUGHPUT CELL-BASED SCREENING FOR APTAMERS**
[54] **CRIBLAGE A HAUT DEBIT A BASE DE CELLULES POUR LES APTAMERES**
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[72] FENG, LEI, US
[72] FORBES, ALEXANDRIA, US
[71] MEIRAGTX UK II LIMITED, GB
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[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **SWITCHING METHOD, ACCESS NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUTATION, DISPOSITIF DE RESEAU D'ACCES, ET DISPOSITIF TERMINAL**
[72] YANG, NING, CN
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
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[51] **Int.Cl. F23D 14/02 (2006.01) F23C 5/08 (2006.01) F23D 14/10 (2006.01) F23D 14/46 (2006.01) F23D 14/84 (2006.01)**
[25] EN
[54] **OPTIMIZED BURNERS FOR BOILER APPLICATIONS**
[54] **BRULEURS OPTIMISES POUR APPLICATIONS DE CHAUDIERES**
[72] AKBARIMONFARED, AMIN, US
[72] SHELLENBERGER, TIMOTHY J., US
[72] HERTZBERG, CHRISTOPHER, US
[72] CHAMBERS, LEONARD E., US
[72] CERVANTES, JUAN, US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036730)
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[30] US (62/517,016) 2017-06-08

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[54] **DAMPER**
[54] **AMORTISSEUR**
[72] WEBER, KONRAD, DE
[71] DRUCK- UND SPRITZGUSSWERK HETTICH GMBH & CO. KG, DE
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[86] 2018-06-22 (PCT/EP2018/066770)
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **GASTRIC RESIDENCE SYSTEMS WITH RELEASE RATE-MODULATING FILMS**
[54] **SYSTEMES GASTRIQUES A DEMEURE AVEC FILMS MODULANT LE TAUX DE LIBERATION**
[72] KANASTY, ROSEMARY, US
[72] BHISE, NUPURA, US
[72] ZALE, STEPHEN, US
[72] CARTER, BENNETT, US
[72] YANG, JUNG HOON, US
[72] BELLINGER, ANDREW, US
[72] LOW, SUSAN, US
[72] WRIGHT, JAMES, US
[72] ALTREUTER, DAVID, US
[72] GARDNER, COLIN, US
[71] LYNDRA, INC., US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036743)
[87] (WO2018/227147)
[30] US (62/517,732) 2017-06-09
[30] US (62/566,111) 2017-09-29
[30] US (62/652,128) 2018-04-03

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[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/324 (2014.01) B42D 25/373 (2014.01) G02B 5/18 (2006.01)**
[25] FR
[54] **OPTICAL SECURITY COMPONENT VISIBLE IN REFLECTION, MANUFACTURE OF SUCH A COMPONENT, AND SECURE DOCUMENT PROVIDED WITH SUCH A COMPONENT**
[54] **COMPOSANT OPTIQUE DE SECURITE VISIBLE EN REFLEXION, FABRICATION D'UN TEL COMPOSANT ET DOCUMENT SECURISE EQUIPE D'UN TEL COMPOSANT**
[72] PETITON, VALERY, FR
[72] CHIKHA, KHALIL, FR
[72] PIGEON, YORAN ELI, FR
[72] TOLLET, VINCENT, FR
[72] DANIEL, FRANCOISE, FR
[71] SURYS, FR
[85] 2019-12-06
[86] 2018-06-05 (PCT/EP2018/064801)
[87] (WO2018/224512)
[30] FR (1755002) 2017-06-06

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[51] **Int.Cl. A61B 5/0476 (2006.01) A61B 5/026 (2006.01) A61B 5/0478 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **ELECTROENCEPHALOGRAPHY DEVICE AND DEVICE FOR MONITORING A SUBJECT USING NEAR INFRARED SPECTROSCOPY**
[54] **DISPOSITIF D'ELECTROENCEPHALOGRAPHIE ET DISPOSITIF DE SURVEILLANCE D'UN SUJET A L'AIDE D'UNE SPECTROSCOPIE PROCHE INFRAROUGE**
[72] DUMONT, GUY, CA
[72] ASKARI, SHAHBAZ, CA
[72] JAFARYRABANYBASTANY, ZOYA, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2019-12-09
[86] 2018-06-26 (PCT/CA2018/050787)
[87] (WO2019/000088)
[30] US (62/524,679) 2017-06-26
[30] US (62/524,683) 2017-06-26

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[51] **Int.Cl. C07D 477/14 (2006.01) A61K 31/407 (2006.01) A61K 31/4439 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CARBAPENEM COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF BACTERIAL INFECTIONS**
[54] **COMPOSES DE CARBAPENEM ET COMPOSITIONS POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] CHOI, WOO-BAEG, US
[72] TOMIOKA, TAKASHI, US
[72] JOO, HYUNG-YEUL, US
[72] TRUONG, PHONG, US
[72] MIN, BRIAN, US
[71] FOB SYNTHESIS, INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036872)
[87] (WO2018/227178)
[30] US (62/517,422) 2017-06-09

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[51] **Int.Cl. B29D 11/00 (2006.01) B33Y 80/00 (2015.01) G02B 3/00 (2006.01)**
[25] EN
[54] **OPTICAL PART AND METHOD OF PRODUCING AN OPTICAL PART**
[54] **PIECE OPTIQUE ET PROCEDE DE FABRICATION DE PIECE OPTIQUE**
[72] CONTE, DOMINIQUE, FR
[72] MAITRE, NICOLAS, FR
[72] LECLAIRE, YVES, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2019-12-09
[86] 2018-06-19 (PCT/EP2018/066305)
[87] (WO2018/234332)
[30] EP (17305750.6) 2017-06-19

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/095 (2006.01) B23K 9/16 (2006.01) B23K 9/173 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO PREHEAT WELDING WIRE FOR LOW HYDROGEN WELDING**
[54] **PROCEDES ET APPAREILS POUR PRECHAUFFER UN FIL DE SOUDAGE POUR UN SOUDAGE A FAIBLE TENEUR EN HYDROGENE**
[72] ZWAYER, JAKE BRADLEY, US
[72] UECKER, JAMES LEE, US
[72] BARHORST, STEVEN E., US
[72] HSU, CHRISTOPHER, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036898)
[87] (WO2018/227185)
[30] US (62/517,507) 2017-06-09

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 88/02 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-08-10 (PCT/CN2017/096914)
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[51] **Int.Cl. H04W 72/02 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **CHANNEL RESOURCE SET INDICATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE D'INDICATION D'ENSEMBLE DE RESSOURCES DE CANAL, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-09-30 (PCT/CN2017/105012)
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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **CONTACT TIPS WITH SCREW THREADS AND HEAD TO ENABLE UNTHREADING OR THE SCREW THREADS COMPRISING LONGITUDINAL SLOTS FOR GAS FLOW; WELDING TORCH WITH CONTACT TIPS**
[54] **POINTES DE CONTACT DOTEES DE FILETS ET D'UNE TETE POUR PERMETTRE LE DEVISSAGE OU FILETS COMPRENANT DES FENTES LONGITUDINALES DESTINEES A UN ECOULEMENT DE GAZ; CHALUMEAU DE SOUDAGEDOTE DE POINTES DE CONTACT**
[72] SIGL, DENNIS ROLAND, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036906)
[87] (WO2018/227189)
[30] US (62/517,541) 2017-06-09

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[13] A1
[51] **Int.Cl. H04W 28/10 (2009.01) H04W 16/04 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMISSION CONTROL, DEVICE, EQUIPMENT AND STORAGE MEDIUM**
[54] **PROCEDE DE COMMANDE DE TRANSMISSION, DISPOSITIF, EQUIPEMENT ET SUPPORT D'INFORMATIONS**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-08-10 (PCT/CN2017/096916)
[87] (WO2019/028778)

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[13] A1
[51] **Int.Cl. E02B 8/06 (2006.01)**
[25] EN
[54] **ANNULAR MULTI-LEVEL FREE-FALL-TYPE ENERGY-DISSIPATING VERTICAL SHAFT**
[54] **ARBRE ANNULAIRE VERTICAL DE DISSIPATION D'ENERGIE DE TYPE EN CHUTE LIBRE A NIVEAUX MULTIPLES**
[72] ZHANG, RUI, CN
[72] XU, HUI, CN
[72] CHEN, YULING, CN
[72] FENG, JIANGANG, CN
[72] WANG, XIAOSHENG, CN
[71] HOHAI UNIVERSITY, CN
[85] 2019-12-09
[86] 2018-01-26 (PCT/CN2018/074316)
[87] (WO2019/000934)
[30] CN (201710498590.9) 2017-06-26

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[13] A1
[51] **Int.Cl. H04W 72/00 (2009.01)**
[25] EN
[54] **TRANSMISSION PARAMETER DETERMINATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE DETERMINATION DE PARAMETRES DE TRANSMISSION, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-11-03 (PCT/CN2017/109412)
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[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01)**
[25] EN
[54] **FLUID CONTROL DEVICES AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS DE REGULATION DE FLUIDE ET LEURS PROCEDES D'UTILISATION**
[72] BULLINGTON, GREGORY J., US
[72] MIAZGA, JAY M., US
[72] GAW, SHAN E., US
[72] RAMSEY, TIMOTHY F., US
[71] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
[71] BULLINGTON, GREGORY J., US
[71] MIAZGA, JAY M., US
[71] GAW, SHAN E., US
[71] RAMSEY, TIMOTHY F., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036910)
[87] (WO2018/227191)
[30] US (62/517,681) 2017-06-09
[30] US (62/639,572) 2018-03-07

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[13] A1
[51] **Int.Cl. H04W 72/08 (2009.01) H04B 7/06 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] SHI, ZHIHUA, CN
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2018-02-14 (PCT/CN2018/076863)
[87] (WO2019/157724)

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR WIRELESS COMMUNICATION, TERMINAL DEVICE, NETWORK DEVICE, AND NETWORK NODE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL, DISPOSITIF DE RESEAU ET N□UD DE RESEAU**
[72] ZHANG, ZHI, CN
[72] CHEN, WENHONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-09-08 (PCT/CN2017/101139)
[87] (WO2019/028962)
[30] CN (PCT/CN2017/097028) 2017-08-11

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[13] A1
[51] **Int.Cl. H04W 28/04 (2009.01)**
[25] EN
[54] **METHOD FOR DETERMINING LENGTH OF FEEDBACK RESPONSE INFORMATION AND RELATED PRODUCT**
[54] **PROCEDE DE DETERMINATION DE LONGUEUR D'INFORMATIONS DE REPONSE DE RETROACTION ET PRODUIT ASSOCIE**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2018-04-03 (PCT/CN2018/081785)
[87] (WO2019/029173)
[30] CN (PCT/CN2017/096656) 2017-08-09

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR UPLINK DATA TRANSMISSION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES EN LIAISON MONTANTE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-12-28 (PCT/CN2017/119309)
[87] (WO2019/127197)

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[13] A1
[51] **Int.Cl. G01F 1/76 (2006.01) A01J 25/00 (2006.01) G01G 1/00 (2006.01)**
[25] EN
[54] **MEASUREMENT OF A MASS FLOW RATE**
[54] **MESURE D'UN DEBIT MASSIQUE**
[72] HARTMANN, ROBERT, DE
[72] ROTHER, MATTHIAS, DE
[71] HOCHLAND SE, DE
[85] 2019-12-09
[86] 2018-07-18 (PCT/EP2018/069511)
[87] (WO2019/020459)
[30] DE (10 2017 116 601.7) 2017-07-24

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) B25J 13/08 (2006.01)**
[25] EN
[54] **MODULAR LANDMARK FOR ROBOT MOVEMENT, LANDMARK, AND ROBOT**
[54] **POINT DE REPERE MODULAIRE DESTINE A UN MOUVEMENT DE ROBOT, POINT DE REPERE ET ROBOT**
[72] ZHU, JIANQING, CN
[71] ZHEJIANG LIBIAO ROBOTS CO., LTD., CN
[71] ZHU, JIANQING, CN
[85] 2019-12-09
[86] 2018-06-11 (PCT/CN2018/090705)
[87] (WO2018/224047)
[30] CN (201710437399.3) 2017-06-09

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[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **WELDING ASSEMBLY FOR A WELDING TORCH, WITH TWO CONTACT TIPS AND A COOLING BODY TO COOL AND CONDUCT CURRENT**
[54] **ENSEMBLE DE SOUDAGE POUR UN CHALUMEAU DE SOUDAGE, AVEC DEUX POINTES DE CONTACT ET UN CORPS DE REFROIDISSEMENT POUR REFROIDIR ET CONDUIRE UN COURANT**
[72] SIGL, DENNIS ROLAND, US
[72] ZWAYER, JAKE BRADLEY, US
[72] UECKER, JAMES LEE, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036914)
[87] (WO2018/227194)
[30] US (62/517,537) 2017-06-09

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **PROCESSING DATA QUERIES IN A LOGICALLY SHARDED DATA STORE**
[54] **TRAITEMENT D'INTERROGATIONS DE DONNEES DANS UNE MEMOIRE DE DONNEES LOGIQUEMENT PARTAGEE**
[72] KESELMAN, GLEB, IL
[72] NEBEL, ERNESTO, US
[72] WEBER, JEFFERY, US
[72] KAUHANE, NOAH, US
[72] SOMAYAJI, VINU, US
[72] SHEFFER, YARON, IL
[71] INTUIT INC., US
[85] 2019-12-06
[86] 2018-08-01 (PCT/US2018/044785)
[87] (WO2019/099072)
[30] US (15/815,239) 2017-11-16

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR RESOURCE CONFIGURATION, TEMRINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE PERMETTANT DE CONFIGURER DES RESSOURCES, DISPOSITIF DE TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-09-15 (PCT/CN2017/101951)
[87] (WO2019/051803)

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[51] **Int.Cl. C07D 307/80 (2006.01) A61K 31/343 (2006.01) A61K 31/437 (2006.01) A61P 13/12 (2006.01) A61P 19/06 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **URAT1 INHIBITOR FOR INCREASING URIC ACID EXCRETION**
[54] **INHIBITEUR DE L'URAT1 STIMULANT L'EXCRETION URINAIRE**
[72] SHI, DONGFANG, CN
[72] ZHU, JIANGHUA, CN
[72] GU, JIE, CN
[72] CHENG, XI, CN
[72] YANG, YAN, CN
[72] ZHOU, HE, CN
[72] LI, PENGFEI, CN
[72] WU, FAN, CN
[71] JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD., CN
[85] 2019-12-09
[86] 2018-05-25 (PCT/CN2018/088400)
[87] (WO2018/214961)
[30] CN (201710386922.4) 2017-05-26

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[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SYNCHRONIZATION**
[54] **PROCEDE ET DISPOSITIF DE SYNCHRONISATION**
[72] WANG, JIANFENG, CN
[72] LIN, ZHIPENG, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-09
[86] 2018-08-10 (PCT/CN2018/099850)
[87] (WO2019/029666)
[30] CN (PCT/CN2017/097282) 2017-08-11

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SRS TRANSMISSION**
[54] **PROCEDE DE TRANSMISSION DE SRS ET DISPOSITIF ASSOCIE**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2018-01-12 (PCT/CN2018/072502)
[87] (WO2019/136724)

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[13] A1
[51] **Int.Cl. H04W 8/00 (2009.01)**
[25] EN
[54] **SYSTEM INFORMATION VALIDITY INDICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE D'INDICATION DE VALIDITE D'INFORMATIONS DE SYSTEME, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-09-26 (PCT/CN2017/103503)
[87] (WO2019/061028)

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[13] A1
[51] **Int.Cl. H05B 3/20 (2006.01) F03D 80/40 (2016.01) B29C 73/10 (2006.01)**
[25] EN
[54] **IMPROVED ELECTRO-THERMAL HEATING ELEMENTS**
[54] **ELEMENTS DE CHAUFFAGE ELECTROTHERMIQUE AMELIORES**
[72] SPANDLEY, LUKE, GB
[72] BADGER, PAUL, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2019-12-09
[86] 2018-06-15 (PCT/DK2018/050143)
[87] (WO2019/001656)
[30] DK (PA 2017 70519) 2017-06-29

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **SIGNAL TRANSMISSION METHOD, RELATED DEVICE, AND SYSTEM**
[54] **PROCEDE DE TRANSMISSION DE SIGNAL, DISPOSITIF ASSOCIE, ET SYSTEME**
[72] JIA, QIONG, CN
[72] ZHU, JUN, CN
[72] LIN, YINGPEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-09
[86] 2018-06-08 (PCT/CN2018/090517)
[87] (WO2018/224042)
[30] CN (201710435815.6) 2017-06-09

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[13] A1
[51] **Int.Cl. A01N 43/653 (2006.01) A01N 31/14 (2006.01) A01N 37/06 (2006.01) A01N 41/10 (2006.01)**
[25] EN
[54] **STABILISED FORMULATIONS CONTAINING PROTHIOCONAZOLE WITH A LOW 2-(1-CHLOROCYCLOPROPYL)-1-(2-CHLOROPHENYL)-3-(1H-1,2,4-TRIAZOL-1-YL)PROPAN-2-OL CONTENT**
[54] **FORMULATIONS STABILISEES CONTENANT DU PROTHIOCONAZOL A FAIBLE TENEUR EN 2-(1-CHLOROCYCLOPROPYL)-1-(2-CHLOROPHENYL)-3-(1H-1,2,4-TRIAZOL-1-YL)PROPAN-2-OL**
[72] KRAUSE, JENS, DE
[72] WEISS, MARTIN, DE
[72] STEINBECK, MARTIN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2019-12-09
[86] 2018-06-06 (PCT/EP2018/064894)
[87] (WO2018/228885)
[30] EP (17175390.8) 2017-06-12

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[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **WELDING TORCH, WITH TWO CONTACT TIPS AND A PLURALITY OF LIQUID COOLING ASSEMBLIES FOR CONDUCTING CURRENTS TO THE CONTACT TIPS**
[54] **CHALUMEAU SOUDEUR AYANT DEUX TUBES CONTACT ET UNE PLURALITE D'ENSEMBLES DE REFROIDISSEMENT DE LIQUIDE AFIN D'AMENER DES COURANTS AUX TUBES CONTACT**
[72] SIGL, DENNIS ROLAND, US
[72] UECKER, JAMES LEE, US
[72] ZWAYER, JAKE BRADLEY, US
[72] MATIASH, NICHOLAS, US
[72] WELLS, JEFFREY, US
[72] BASIT, NAUMAN, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036919)
[87] (WO2018/227196)
[30] US (62/517,531) 2017-06-09

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[13] A1
[51] **Int.Cl. F16L 33/22 (2006.01) F16L 37/138 (2006.01) F16L 37/56 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHY SYSTEM AND COUPLINGS THEREFOR**
[54] **SYSTEME DE CHROMATOGRAPHIE ET ACCOUPLEMENTS ASSOCIES**
[72] LUNDKVIST, MATS, SE
[72] JOHANSSON, BJORN A., SE
[72] FRANCOIS, TIM, SE
[71] GE HEALTHCARE BIO-SCIENCES AB, SE
[85] 2019-12-09
[86] 2018-06-28 (PCT/EP2018/067498)
[87] (WO2019/002515)
[30] GB (1710279.9) 2017-06-28
[30] GB (1800901.9) 2018-01-19

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) C12N 15/113 (2010.01) C12N 15/115 (2010.01) A61P 17/10 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF INFLAMMATORY DISEASES WITH INHIBITORS OF C5A ACTIVITY**
[54] **TRAITEMENT DE MALADIES INFLAMMATOIRES PAR DES INHIBITEURS DE L'ACTIVITE DE C5A**
[72] GUO, RENFENG, US
[72] RIEDEMANN, NIELS R., DE
[71] INFLARX GMBH, DE
[85] 2019-12-09
[86] 2018-06-13 (PCT/EP2018/065676)
[87] (WO2018/234118)
[30] EP (17177657.8) 2017-06-23
[30] EP (17189938.8) 2017-09-07

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **TRANSMISSION CONFIGURATION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE CONFIGURATION DE TRANSMISSION ET PROCEDE ASSOCIE**
[72] SHI, ZHIHUA, CN
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2018-01-12 (PCT/CN2018/072513)
[87] (WO2019/136728)

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[13] A1
[51] **Int.Cl. B64G 1/22 (2006.01)**
[25] EN
[54] **HIGH THROUGHPUT FRACTIONATED SATELLITES FOR DIRECT CONNECTIVITY WITH END USER DEVICES AND TERMINALS USING FLIGHT FORMATIONS OF SMALL OR VERY SMALL SATELLITES**
[54] **SATELLITES FRACTIONNES A HAUT RENDEMENT POUR CONNECTIVITE DIRECTE AVEC DES DISPOSITIFS UTILISATEURS FINAUX ET DES TERMINAUX UTILISANT DES FORMATIONS DE VOL DE PETITS OU DE TRES PETITS SATELLITES**
[72] AVELLAN, ABEL, US
[72] JAYASIMHA, SRIRAM, IN
[71] AST & SCIENCE, LLC, US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036929)
[87] (WO2018/231714)
[30] IN (201711020428) 2017-06-12
[30] US (15/675,155) 2017-08-11

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[13] A1
[51] **Int.Cl. B63B 1/30 (2006.01) B63B 39/06 (2006.01)**
[25] EN
[54] **RETRACTABLE FOIL MECHANISM**
[54] **MECANISME DE FEUILLE RETRACTABLE**
[72] YRKE, AUDUN, NO
[71] WAVEFOIL AS, NO
[85] 2019-12-09
[86] 2018-06-14 (PCT/EP2018/065847)
[87] (WO2018/229211)
[30] NO (20170987) 2017-06-16
[30] GB (1710201.3) 2017-06-27

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[13] A1
[51] **Int.Cl. A61C 17/00 (2006.01)**
[25] EN
[54] **DENTAL PROPHYLACTIC TREATMENT DEVICE**
[54] **UNITE DE TRAITEMENT DE PROPHYLAXIE DENTAIRE**
[72] HELFENBEIN, GERALD, AT
[72] HOCHRADL, GERHARD, AT
[72] PLOY, GERNOT, AT
[72] EIBL, JOHANN, AT
[71] W & H DENTALWERK BURMOOS GMBH, AT
[85] 2019-12-09
[86] 2018-07-13 (PCT/EP2018/069059)
[87] (WO2019/012096)
[30] EP (17181328.0) 2017-07-14

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[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 17/00 (2016.01) F03D 80/60 (2016.01)**
[25] EN
[54] **IMPROVED ELECTRO-THERMAL HEATING ELEMENTS**
[54] **ELEMENTS DE CHAUFFAGE ELECTROTHERMIQUE AMELIORES**
[72] SPANDLEY, LUKE, GB
[72] WOOD, ARRAN, GB
[72] ROGERS, DARREN, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2019-12-09
[86] 2018-06-15 (PCT/DK2018/050144)
[87] (WO2019/001657)
[30] DK (PA 2017 70520) 2017-06-30

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[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) B33Y 80/00 (2015.01)**
[25] EN
[54] **MOUNTING ELEMENT FOR PRODUCTION OF A DENTAL PROSTHESIS, A PROSTHESIS AND METHOD OF MANUFACTURING SAME**
[54] **ELEMENT DE MONTAGE DESTINE A LA PRODUCTION D'UNE PROTHESE DENTAIRE, PROTHESE ET LEUR PROCEDE DE FABRICATION**
[72] HORNBECK, JACQUES, LU
[71] JADE FINANCE S.A.R.L., LU
[85] 2019-12-09
[86] 2018-06-19 (PCT/EP2018/066266)
[87] (WO2018/234310)
[30] LU (LU100319) 2017-06-20

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[13] A1
[51] **Int.Cl. B29D 11/00 (2006.01) B33Y 80/00 (2015.01) G02B 3/00 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENT, ASSEMBLY COMPRISING SUCH AN OPTICAL ELEMENT AND METHOD OF MANUFACTURING AN OPTICAL ELEMENT**
[54] **ELEMENT OPTIQUE, ENSEMBLE COMPRENANT UN TEL ELEMENT OPTIQUE ET PROCEDE DE FABRICATION D'UN ELEMENT OPTIQUE**
[72] CHABIN, LAURENT, FR
[72] BULTEZ, XAVIER, FR
[72] SCHOTT, GUY, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2019-12-09
[86] 2018-06-19 (PCT/EP2018/066298)
[87] (WO2018/234326)
[30] EP (17305750.6) 2017-06-19
[30] EP (18305102.8) 2018-01-31

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[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01)**
[25] EN
[54] **DETECTING WATER ON A WIND TURBINE USING A TEMPERATURE-CONTROLLED SENSOR**
[54] **DETECTION D'EAU SUR UNE EOLIENNE A L'AIDE D'UN CAPTEUR THERMOCOMMANDE**
[72] GRUNNET, JACOB DELEURAN, DK
[72] NIELSEN, JOHNNY, DK
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2019-12-09
[86] 2018-06-21 (PCT/DK2018/050158)
[87] (WO2019/001667)
[30] DK (PA 2017 70518) 2017-06-29

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[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS ACTIVATING THE NRF2 PATHWAY**
[54] **NOUVEAUX COMPOSES ACTIVANT LA VOIE NRF2**
[72] PUIG DURAN, CARLOS, ES
[72] ALBERICIO PALOMERA, FERNANDO, ES
[72] GONGORA BENITEZ, MIRIAM, ES
[72] PARADIS BAS, MARTA, ES
[72] MIRET CASALS, LAIA, ES
[72] RAMOS TOMILLERO, IVAN, ES
[72] FIACCO, STEPHEN, US
[72] DAVIS, ANDREW, SE
[72] GESCHWINDNER, STEFAN, SE
[72] BRUN CUBERO, OMAR, ES
[72] HERAS PANIAGUA, CARLOS, ES
[72] TRALLERO CANELA, NURIA, ES
[71] ALMIRALL, S.A., ES
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[25] EN
[54] **HIERARCHICAL MULTISCALE ELECTROSPUN SCAFFOLD FOR THE REGENERATION AND/OR REPLACEMENT OF THE TENDINOUS/LIGAMENTOUS TISSUE AND A METHOD FOR ITS PRODUCTION**
[54] **ECHAFAUDAGE ELECTROFILE A STRUCTURE MULTI-ECHELLES HIERARCHIQUE POUR LA REGENERATION ET/OU LE REMPLACEMENT DU TISSU TENDINEUX/LIGAMENTEUX ET SON PROCEDE DE PRODUCTION**
[72] SENSINI, ALBERTO, IT
[72] CRISTOFOLINI, LUCA, IT
[72] GUALANDI, CHIARA, IT
[72] FOCARETE, MARIA LETIZIA, IT
[72] BELCARI, JURI, IT
[72] ZUCCHELLI, ANDREA, IT
[71] ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA, IT
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[54] **SEPARATION SYSTEM**
[54] **SYSTEME DE SEPARATION**
[72] MALONE, RYAN, US
[72] RASMUSSEN, ERIC JOSEPH, US
[72] CIPRICK, KELLY, US
[72] CHAN, ISABEL, US
[72] VAN ASPEREN, VICTOR, US
[72] BAAREN, SANDER GUIDO, US
[71] FMC TECHNOLOGIES, INC., US
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[54] **CONTROLLING ACCESS TO DATA**
[54] **COMMANDE D'ACCES A DES DONNEES**
[72] SHAWE-TAYLOR, JOHN STEWART, GB
[72] CHANDRASEKARAN, GURU PARAN, GB
[71] SCENTRICS INFORMATION SECURITY TECHNOLOGIES LTD, GB
[85] 2019-12-09
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[54] **HEAT TRANSFER ELEMENTS FOR ROTARY HEAT EXCHANGERS**
[54] **ELEMENTS DE TRANSFERT DE CHALEUR POUR ECHANGEURS DE CHALEUR ROTATIFS**
[72] REID, MERON, GB
[72] HOGG, DOUGAL, GB
[71] HOWDEN UK LIMITED, GB
[85] 2019-12-09
[86] 2018-06-18 (PCT/IB2018/054477)
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[54] **SYSTEM AND METHOD FOR IDENTIFYING AND TAGGING USERS**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION ET D'ETIQUETAGE D'UTILISATEURS**
[72] HARLAMERT, JOHN PHILLIP, III, US
[71] DMD MARKETING LP, CA
[85] 2019-12-09
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[54] **INFORMATION PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT D'INFORMATIONS**
[72] HANN, LIAN YIH, CN
[71] SMART BEAT PROFITS LIMITED, CN
[85] 2019-12-09
[86] 2018-06-07 (PCT/JP2018/021936)
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[25] EN
[54] **DATABASE CONSTRUCTION METHOD AND DATABASE**
[54] **PROCEDE DE CONSTRUCTION DE BASE DE DONNEES**
[72] HANN, LIAN YIH, CN
[71] SMART BEAT PROFITS LIMITED, CN
[85] 2019-12-09
[86] 2018-06-07 (PCT/JP2018/021937)
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[54] **MODULATORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **MODULATEURS D'INDOLAMINE 2,3-DIOXYGENASE**
[72] DE LA ROSA, MARTHA ALICIA, US
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[72] WASHIO, YOSHIAKI, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[25] EN
[54] **METHODS AND SYSTEMS TO HEAT A WIRE FOR REDUCING THE HYDROGEN CONTENT**
[54] **PROCEDES ET SYSTEMES DE CHAUFFAGE D'UN FIL POUR EN REDUIRE LA TENEUR EN HYDROGENE**
[72] BARHORST, STEVEN, US
[72] BUNDY, JOSEPH C., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036900)
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[25] EN
[54] **LIQUID SAMPLE LOADING**
[54] **CHARGEMENT D'ECHANTILLON LIQUIDE**
[72] DREWS, BRADLEY KENT, US
[72] STENGEL, GUDRUN, US
[72] BLAKE, JAMES CHRISTOPHER, US
[72] AHAMED, MOHAMMED KAFEEL, US
[72] BECKER, MICHAEL STEVEN, US
[72] DANGELO, MICHAEL, US
[72] NIBBE, MARK J., US
[72] FULLER, DANIEL L., GB
[72] MILLER, OLIVER JON, GB
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-12-06
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[30] US (62/564,466) 2017-09-28

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[51] **Int.Cl. A61H 23/00 (2006.01) A61H 23/02 (2006.01)**
[25] EN
[54] **BATTERY-POWERED PERCUSSIVE MASSAGE DEVICE**
[54] **DISPOSITIF DE MASSAGE PAR PERCUSSION ALIMENTE PAR BATTERIE**
[72] MARTON, ROBERT, US
[72] KATZ, ANTHONY, US
[71] HYPER ICE, INC., US
[85] 2019-12-06
[86] 2018-09-28 (PCT/US2018/053352)
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[54] **PATCH GRAFT COMPOSITIONS FOR CELL ENGRAFTMENT**
[54] **COMPOSITIONS DE GREFFE EN PATCH POUR GREFFE CELLULAIRE**
[72] ZHANG, WENCHENG, US
[72] WAUTHIER, ELIANE, US
[72] REID, LOLA M., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036960)
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[30] US (62/518,380) 2017-06-12
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[25] EN
[54] **USE OF MAVOGLURANT IN THE REDUCTION OF COCAINE USE OR IN PREVENTING RELAPSE INTO COCAINE USE**
[54] **UTILISATION DE MAVOGLURANT DANS LA REDUCTION DE L'UTILISATION DE COCAINE OU DANS LA PREVENTION D'UNE RECHUTE DANS L'UTILISATION DE COCAINE**
[72] DOLMETSCH, RICARDO, US
[72] GASPARINI, FABRIZIO, CH
[72] GOMEZ-MANCILLA, BALTAZAR, CH
[72] JOHNS, DONALD, US
[71] NOVARTIS AG, CH
[85] 2019-12-09
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[54] **INDUCTION ARRANGEMENT**
[54] **ENSEMBLE A INDUCTION**
[72] HAAS, PETER, DE
[71] HAAS, PETER, DE
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING CANCER CHEMOTHERAPY**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER LE TRAITEMENT PAR CHIMIOTHERAPIE DU CANCER**
[72] HSIA, HOUN SIMON, US
[71] HSIA, HOUN SIMON, US
[85] 2019-12-09
[86] 2018-06-13 (PCT/US2018/037274)
[87] (WO2018/231943)
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[51] **Int.Cl. H01L 27/146 (2006.01)**
[25] EN
[54] **IMAGE SENSOR STRUCTURE**
[54] **SYSTEME DE CAPTEUR D'IMAGE**
[72] CAI, XIUYU, US
[72] AGAH, ALI, US
[72] FUNG, TRACY H., US
[72] DEHLINGER, DIETRICH, US
[71] ILLUMINA, INC., US
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[51] **Int.Cl. C07K 14/245 (2006.01)**
[25] EN
[54] **NOVEL PROTEIN PORES**
[54] **NOUVEAUX PORES PROTEIQUES**
[72] REMAUT, HAN, BE
[72] VAN DER VERREN, SANDER EGBERT, BE
[72] VAN GERVEN, NANI, BE
[72] JAYASINGHE, LAKMAL NISHANTHA, GB
[72] WALLACE, ELIZABETH JAYNE, GB
[72] SINGH, PRATIK RAJ, GB
[72] HAMBLEY, RICHARD GEORGE, GB
[72] JORDAN, MICHAEL ROBERT, GB
[72] KILGOUR, JOHN JOSEPH, GB
[71] VIB VZW, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[71] OXFORD NANOPORE TECHNOLOGIES LIMITED, GB
[85] 2019-12-09
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/06 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **ONSCENE COMMAND VISION**
[54] **VISION DE COMMANDE SUR SCENE**
[72] ENGLAND, ANDREW JAMES, US
[72] EZZELL, LAURA BETH, US
[72] OVERFIELD, THOMAS, US
[72] SANTOS, RENZ ANGELO, US
[72] SIEJA, EDWARD MICHAEL, US
[72] BARNES, CHARLES CARLTON, US
[71] INTERGRAPH CORPORATION, US
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[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/343 (2006.01) A61K 31/428 (2006.01) A61K 31/496 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01)**
[25] EN
[54] **NOVEL SIRT 1 ACTIVATOR AND MEDICINAL USE THEREOF**
[54] **NOUVEL ACTIVATEUR DE SIRT1 ET UTILISATION MEDICINALE CORRESPONDANTE**
[72] MOON, HYUNG RYONG, KR
[72] CHUNG, HAE YOUNG, KR
[72] AN, HYE JIN, KR
[72] SON, SU JIN, KR
[72] KIM, DO HYUN, KR
[71] PUSAN NATIONAL UNIVERSITY INDUSTRY-UNIVERSITY COOPERATION FOUNDATION, KR
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[30] KR (10-2017-0049956) 2017-04-18

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[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING A PHOTOGRAPHIC POLICE LINEUP**
[54] **SYSTEME ET PROCEDE DE GENERATION D'UNE SEANCE D'IDENTIFICATION DE POLICE PHOTOGRAPHIQUE**
[72] GRAHAM, MICHAEL COPELAND, US
[72] MCINTIRE, TIMOTHY MARK, US
[72] KLOTZ, ANTHONY, US
[72] YANG, XIANGDONG, US
[71] INTERGRAPH CORPORATION, US
[85] 2019-12-06
[86] 2018-06-12 (PCT/US2018/037063)
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[30] US (62/518,192) 2017-06-12

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[13] A1
[51] **Int.Cl. A47J 36/20 (2006.01)**
[25] EN
[54] **CONTAINER AND METHOD FOR HEAT TREATMENT OF FOODSTUFFS**
[54] **RECIPIENT ET PROCEDE DE TRAITEMENT THERMIQUE DE PRODUITS ALIMENTAIRES**
[72] ERTVAAG, VEGARD, NO
[72] RAFTO, THOR OYVIND, NO
[72] ULSTEIN, LINE BEATE, NO
[71] USER SOLUTION AS, NO
[85] 2019-12-09
[86] 2018-06-13 (PCT/NO2018/050154)
[87] (WO2019/004835)
[30] NO (20171043) 2017-06-26

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[51] **Int.Cl. B60R 9/10 (2006.01) B60R 9/00 (2006.01) B60R 9/045 (2006.01) B60R 9/08 (2006.01) B60R 11/00 (2006.01)**
[25] EN
[54] **REDUCED FOOTPRINT VACUUM MOUNTED CARRIERS FOR VEHICLES**
[54] **SUPPORTS MONTES AU MOYEN D'UN EFFET DE DEPRESSION A ENCOMBREMENT REDUIT POUR DES VEHICULES**
[72] CASAGRANDE, CHARLES L., US
[72] KAPPER, BRADLEY, US
[72] KORMOS, SANDOR, US
[71] SEASUCKER, LLC, US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036951)
[87] (WO2018/227203)
[30] US (62/517,702) 2017-06-09

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[51] **Int.Cl. A01G 7/06 (2006.01) A01G 9/00 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SHORTENING GROWTH CYCLES IN PLANTS BY TIMING ADJUSTMENTS**
[54] **PROCEDE ET SYSTEME DE RACCOURCISSEMENT DE CYCLES DE CROISSANCE DANS DES PLANTES PAR AJUSTEMENTS DE SYNCHRONISATION**
[72] HEFER, IDO, IL
[72] BLINDER, OR, IL
[71] HEFER, IDO, IL
[71] BLINDER, OR, IL
[85] 2019-12-09
[86] 2018-06-18 (PCT/IL2018/050673)
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[30] US (62/521,454) 2017-06-18

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[51] **Int.Cl. A61K 31/7072 (2006.01) A61K 9/10 (2006.01) A61K 31/683 (2006.01) A61K 31/7024 (2006.01) A61K 31/7064 (2006.01) A61P 17/02 (2006.01) A61P 31/02 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **BISPHOSPHOCIN GEL FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS DE GEL DE BISPHOSPHOCINE ET LEURS UTILISATIONS**
[72] KATES, STEVEN A., US
[72] JOHNSON, KEITH ARTHUR, US
[71] LAKEWOOD AMEDEX, INC, US
[85] 2019-12-06
[86] 2018-06-12 (PCT/US2018/037151)
[87] (WO2018/231863)
[30] US (62/518,262) 2017-06-12

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[13] A1
[51] **Int.Cl. B29C 64/20 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/227 (2017.01) B29C 64/245 (2017.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DECENTRALISED AUTOMATED ADDITIVE MANUFACTURING**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION ADDITIVE AUTOMATISEE DECENTRALISEE**
[72] VAN ESBROECK, HUBERTUS THEODORUS PETRUS, CA
[72] SUWONO, BOYLE, SG
[72] GUPTA, HARSH, SG
[71] STRUCTO PTE LTD, SG
[85] 2019-12-09
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[30] SG (10201704776W) 2017-06-09
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[13] A1
[51] **Int.Cl. G01F 23/26 (2006.01) B64D 37/02 (2006.01) B60K 15/03 (2006.01)**
[25] EN
[54] **FUEL TANK WITH INTEGRATED LEVEL SENSORS, IN PARTICULAR FOR AERIAL VEHICLES**
[54] **RESERVOIR DE CARBURANT A CAPTEURS DE NIVEAU INTEGRES, EN PARTICULIER POUR VEHICULES AERIENS**
[72] JADIR MENDES FERREIRA, NELSON, PT
[72] FONSECA SILVA, JOAQUIM MIGUEL, PT
[72] DA SILVA FERNANDES, CHRISTOPHE, PT
[72] DOS SANTOS DUARTE CARVALHO, PEDRO, PT
[72] DE CARVALHO GOMES, JOAO MANUEL, PT
[72] VIEIRA RIBEIRO, MIGUEL BRUNO, PT
[72] GONCALVES DE MATOS, BRUNO GUILHERME, PT
[72] BENTO MONTES, ANA RITA, PT
[72] LOURENCO CALDEIRA PINTO, ANDRE, PT
[72] GONCALVES DA COSTA PEREIRA, PEDRO MIGUEL, PT
[72] GUSMAN CORREIA ARAUJO BARBOSA, JOSE MANUEL, PT
[71] STRATOSPHERE, S.A., PT
[71] CEIIA - CENTRO DE ENGENHARIA E DESENVOLVIMENTO (ASSOCIACAO), PT
[71] CENTITVC- CENTRO DE NANOTECNOLOGIA E MATERIAIS TECNICOS, FUNCIONAIS E TELIGENTES, PT
[85] 2019-12-09
[86] 2018-06-07 (PCT/IB2018/054124)
[87] (WO2018/225010)
[30] PT (110127) 2017-06-07

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[13] A1
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/14 (2006.01) A61M 5/172 (2006.01) A61M 39/24 (2006.01) G01F 1/66 (2006.01)**
[25] EN
[54] **PRIMING VALVE TO INDUCE APPROPRIATE PRESSURE AND FLOW PROFILE AND IMPROVE SENSOR READINESS**
[54] **SOUPAPE D'AMORCAGE POUR INDUIRE UN PROFIL DE PRESSION ET D'ECOULEMENT APPROPRIE ET AMELIORER LA DISPONIBILITE D'UN CAPTEUR**
[72] FARINELLA, ANDREW C., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2019-12-06
[86] 2018-06-13 (PCT/US2018/037236)
[87] (WO2018/236638)
[30] US (62/521,726) 2017-06-19

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[13] A1
[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/02 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **IMPACT RESISTANT HIGH STRENGTH STEEL**
[54] **ACIER A HAUTE RESISTANCE RESISTANT AUX CHOCS**
[72] KINGSTON, WILLIAM R., US
[71] SALZBURG TRADING COMPANY, LTD., US
[85] 2019-12-06
[86] 2018-12-07 (PCT/US2018/064451)
[87] (WO2019/226197)
[30] US (15/989,705) 2018-05-25
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[13] A1
[51] **Int.Cl. A61K 31/715 (2006.01) A23K 10/00 (2016.01)**
[25] EN
[54] **COMPOSITION COMPRISING MANNOSE OLIGOSACCHARIDE AND PROCESS FOR MAKING SAME AND USE THEREOF**
[54] **COMPOSITION COMPRENANT UN OLIGOSACCHARIDE DE MANNOSE, SON PROCEDE DE FABRICATION ET SON UTILISATION**
[72] STENGEL, BRUNO FREDERIC, BE
[72] KUSTERS, CHRISTOF FRANZ, DE
[71] CARGILL, INCORPORATED, US
[85] 2019-12-06
[86] 2018-06-14 (PCT/US2018/037484)
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[30] EP (17175981.4) 2017-06-14

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[51] **Int.Cl. H04L 29/06 (2006.01) G06F 21/60 (2013.01)**
[25] EN
[54] **CLOUD STORAGE USING ENCRYPTION GATEWAY WITH CERTIFICATE AUTHORITY IDENTIFICATION**
[54] **STOCKAGE SUR LE NUAGE UTILISANT UNE PASSERELLE DE CHIFFREMENT AVEC IDENTIFICATION D'AUTORITE DE CERTIFICAT**
[72] ANDERSON, JORDAN, US
[72] TAKAHASHI, RICHARD J., US
[72] LITTLE, SEAN, US
[72] NOEHRING, LEE, US
[71] SECTURION SYSTEMS, INC., US
[85] 2019-12-09
[86] 2018-05-30 (PCT/US2018/035052)
[87] (WO2018/231519)
[30] US (62/518,117) 2017-06-12
[30] US (15/688,743) 2017-08-28

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[51] **Int.Cl. H05B 39/04 (2006.01) H02M 1/08 (2006.01) H03K 17/16 (2006.01)**
[25] EN
[54] **LOAD CONTROL DEVICE HAVING AN OVERCURRENT PROTECTION CIRCUIT**
[54] **DISPOSITIF DE COMMANDE DE CHARGE DOTE D'UN CIRCUIT DE PROTECTION CONTRE LES SURINTENSITES**
[72] MOORTHY, DINESH SUNDARA, US
[72] STEINER, JAMES P., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-09
[86] 2018-06-08 (PCT/US2018/036714)
[87] (WO2018/227124)
[30] US (62/517,484) 2017-06-09

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[13] A1
[51] **Int.Cl. B23K 9/09 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDITIONING AN OUTPUT OF A WELDING TYPE POWER SUPPLY**
[54] **SYSTEME ET PROCEDE DE CONDITIONNEMENT DE LA PUISSANCE DE SORTIE D'UNE ALIMENTATION ELECTRIQUE DE SOUDAGE**
[72] DECOSTER, AL J., US
[72] KADLEC, MARK S., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-09
[86] 2018-06-08 (PCT/US2018/036721)
[87] (WO2018/227130)
[30] US (62/517,008) 2017-06-08

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01)**
[25] EN
[54] **SYSTEMS, AND METHODS TO CONTROL WELDING ELECTRODE PREHEATING**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE PRECHAUFFAGE D'ELECTRODE DE SOUDAGE**
[72] UECKER, JAMES LEE, US
[72] ZWAYER, JAKE BRADLEY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-09
[86] 2018-05-30 (PCT/US2018/035087)
[87] (WO2018/226476)
[30] US (15/618,926) 2017-06-09

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[13] A1
[51] **Int.Cl. G02B 21/06 (2006.01)**
[25] EN
[54] **MULTI-ARM STRUCTURED ILLUMINATION IMAGING**
[54] **IMAGERIE AVEC UN ECLAIRAGE STRUCTURE A PLUSIEURS BRAS**
[72] HONG, STANLEY S., US
[71] ILLUMINA, INC., US
[85] 2019-12-06
[86] 2019-01-14 (PCT/US2019/013480)
[87] (WO2019/143556)
[30] US (62/618,068) 2018-01-16

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHOD TO IDENTIFY COMPOUNDS USEFUL TO TREAT DYSREGULATED LIPOGENESIS, DIABETES, AND RELATED DISORDERS**
[54] **PROCEDE D'IDENTIFICATION DE COMPOSES UTILES POUR TRAITER UNE LIPOGENESE DEREGULEE, LE DIABETE ET AUTRES TROUBLES APPARENTES**
[72] HOTAMISLIGIL, GOKHAN S., US
[72] EGUCHI, KOSEI, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036941)
[87] (WO2018/227200)
[30] US (62/517,611) 2017-06-09

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[13] A1
[51] **Int.Cl. G06K 9/78 (2006.01) B82Y 15/00 (2011.01) G01N 1/28 (2006.01)**
[25] EN
[54] **REDUCED DIMENSIONALITY STRUCTURED ILLUMINATION MICROSCOPY WITH PATTERNED ARRAYS OF NANOWELLS**
[54] **MICROSCOPIE A ECLAIRAGE STRUCTURE A DIMENSIONS REDUITE AVEC RESEAUX A MOTIFS DE NANOPUITS**
[72] SKINNER, GARY MARK, GB
[72] EVANS, GERAINT WYN, GB
[72] HONG, STANLEY S., US
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-12-06
[86] 2019-01-22 (PCT/US2019/014574)
[87] (WO2019/147581)
[30] US (62/621,564) 2018-01-24
[30] NL (N2020622) 2018-03-20

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[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 20/12 (2012.01) G06Q 20/40 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **COMPUTER-NETWORK-BASED REFERRAL SERVICE FUNCTIONS AND USER INTERFACES**
[54] **FONCTIONS DE SERVICE DE RECOMMANDATION FONDE SUR UN RESEAU INFORMATIQUE ET INTERFACES UTILISATEUR**
[72] COURTOT, FREDERIC, US
[71] MODFIND LLC, US
[85] 2019-12-09
[86] 2018-06-08 (PCT/US2018/036733)
[87] (WO2018/227139)
[30] US (15/619,207) 2017-06-09

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[13] A1
[51] **Int.Cl. H04N 19/172 (2014.01) H04N 21/2343 (2011.01) H04N 21/262 (2011.01) H04N 21/438 (2011.01) H04N 19/114 (2014.01)**
[25] EN
[54] **STAGGERED KEY FRAME VIDEO ENCODING**
[54] **CODAGE VIDEO D'IMAGES CLES ECHELONNEES**
[72] MAVLANKAR, ADITYA, US
[72] KATSAVOUNIDIS, IOANNIS, US
[72] WATSON, MARK, US
[71] NETFLIX, INC., US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036976)
[87] (WO2018/231736)
[30] US (15/620,673) 2017-06-12

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[13] A1
[51] **Int.Cl. G01N 21/17 (2006.01) H01L 27/146 (2006.01)**
[25] EN
[54] **STRUCTURE AND METHOD TO USE ACTIVE SURFACE OF A SENSOR**
[54] **STRUCTURE ET PROCEDE POUR UTILISER UNE SURFACE ACTIVE D'UN CAPTEUR**
[72] LU, DONGLAI, US
[72] CAI, XIUYU, US
[72] FENG, WENYI, US
[72] TRAN, HAI, US
[71] ILLUMINA, INC., US
[85] 2019-12-06
[86] 2019-01-29 (PCT/US2019/015690)
[87] (WO2019/152425)
[30] US (62/626,021) 2018-02-03

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[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 47/55 (2017.01) A61K 47/69 (2017.01) A61K 38/46 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] BECKER, LEV, US
[72] CUI, CHANG, US
[71] THE UNIVERSITY OF CHICAGO, US
[85] 2019-12-09
[86] 2018-06-15 (PCT/US2018/037800)
[87] (WO2018/232273)
[30] US (62/520,325) 2017-06-15
[30] US (62/610,711) 2017-12-27

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[13] A1
[51] **Int.Cl. H01M 10/39 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **ELECTRODES AND ELECTROLYTES FOR AQUEOUS ELECTROCHEMICAL ENERGY STORAGE DEVICES**
[54] **ELECTRODES ET ELECTROLYTES DE SYSTEMES AQUEUX D'ACCUMULATION D'ENERGIE ELECTROCHIMIQUE**
[72] HWANG, JEE YOUN, US
[72] EL-KADY, MAHER F., US
[72] KANER, RICHARD B., US
[72] KAVANAUGH, JACK, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] NANOTECH ENERGY, INC., US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036846)
[87] (WO2018/231684)
[30] US (62/519,225) 2017-06-14

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[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/32 (2006.01) H02H 9/04 (2006.01)**
[25] EN
[54] **PREHEATING POWER SUPPLY AND WELDING POWER SOURCE INTERCONNECTION CABLE TO CONTROL WELD CURRENT IN A PREHEATING SYSTEM**
[54] **ALIMENTATION ELECTRIQUE DE PRECHAUFFAGE ET CABLE D'INTERCONNEXION DE SOURCE D'ALIMENTATION POUR SOUDAGE POUR COMMANDE D'UN COURANT DE SOUDAGE DANS UN SYSTEME DE PRECHAUFFAGE**
[72] SCHARTNER, QUINN WILLIAM, US
[72] UECKER, JAMES LEE, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036852)
[87] (WO2018/227175)
[30] US (62/517,505) 2017-06-09
[30] US (16/003,387) 2018-06-08

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[13] A1
[51] **Int.Cl. H04L 29/10 (2006.01)**
[25] EN
[54] **AUTOMATIC QOS OPTIMIZATION IN NETWORK EQUIPMENT**
[54] **OPTIMISATION AUTOMATIQUE DE QUALITE DE SERVICE (QOS) DANS UN EQUIPEMENT DE RESEAU**
[72] FOULKES, JONATHAN, US
[72] CHRISTIANSON, STEVE, US
[71] EVENROUTE, LLC, US
[85] 2019-12-09
[86] 2018-06-11 (PCT/US2018/036862)
[87] (WO2018/231693)
[30] US (15/619,949) 2017-06-12

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[13] A1
[51] **Int.Cl. A61K 35/60 (2006.01) A61K 33/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING HYPERTHERMIA THERAPY**
[54] **COMPOSITIONS ET METHODES POUR L'AMELIORATION D'UN TRAITEMENT PAR HYPERTHERMIE**
[72] HSIA, HOUN SIMON, US
[71] HSIA, HOUN SIMON, US
[85] 2019-12-09
[86] 2018-06-13 (PCT/US2018/037268)
[87] (WO2018/231938)
[30] US (62/519,090) 2017-06-13

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[13] A1
[51] **Int.Cl. H04N 5/21 (2006.01) G06T 19/20 (2011.01) G02B 3/00 (2006.01) G02B 26/08 (2006.01) G02B 27/00 (2006.01) G02B 27/01 (2006.01) G02F 1/01 (2006.01)**
[25] EN
[54] **AUGMENTED REALITY DISPLAY HAVING MULTI-ELEMENT ADAPTIVE LENS FOR CHANGING DEPTH PLANES**
[54] **AFFICHAGE A REALITE AUGMENTEE POURVU D'UNE LENTILLE ADAPTATIVE A ELEMENTS MULTIPLES PERMETTANT DE MODIFIER DES PLANS DE PROFONDEUR**
[72] SCHAEFER, JASON, US
[72] CHENG, HUI-CHUAN, US
[72] MANLY, DAVID, US
[72] TRISNADI, JAHJA I., US
[72] CARLISLE, CLINTON, US
[72] KLUG, MICHAEL ANTHONY, US
[71] MAGIC LEAP, INC., US
[85] 2019-12-09
[86] 2018-06-12 (PCT/US2018/037039)
[87] (WO2018/231784)
[30] US (62/518,539) 2017-06-12
[30] US (62/536,872) 2017-07-25

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[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) B01J 19/00 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **METHODS FOR SEAMLESS NUCLEIC ACID ASSEMBLY**
[54] **METHODES D'ASSEMBLAGE D'ACIDES NUCLEIQUES SANS JOINT**
[72] NUGENT, REBECCA, US
[72] CHEN, SIYUAN, US
[72] LEE, ELIAN, US
[72] RAYNARD, NATHAN, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2019-12-09
[86] 2018-06-12 (PCT/US2018/037161)
[87] (WO2018/231872)
[30] US (62/518,496) 2017-06-12
[30] US (62/663,089) 2018-04-26

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[51] **Int.Cl. C07H 21/04 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **A METHOD FOR THE CLUSTERING OF DNA SEQUENCES**
[54] **PROCEDE PERMETTANT DE REGROUPER DES SEQUENCES D'ADN**
[72] LIACHKO, IVAN, US
[72] SULLIVAN, SHAWN THOMAS, US
[72] LANGFORD, KYLE, US
[72] EACKER, STEPHEN M., US
[71] PHASE GENOMICS INC., US
[85] 2019-12-09
[86] 2018-06-26 (PCT/US2018/039454)
[87] (WO2019/005763)
[30] US (62/524,815) 2017-06-26

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[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/28 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **MICROENCAPSULATED HERBICIDES**
[54] **HERBICIDES MICROENCAPSULES**
[72] HEMMINGHAUS, JOHN W., US
[72] RANA, NEHA, US
[72] VOSS, STEVEN T., US
[72] ZHANG, JUNHUA, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-12-09
[86] 2018-06-13 (PCT/US2018/037226)
[87] (WO2018/231913)
[30] US (62/518,965) 2017-06-13

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DOSAGE REGIMENS FOR ANTI-TIM-3 ANTIBODIES AND USES THEREOF**
[54] **REGIMES POSOLOGIQUES POUR ANTICORPS ANTI-TIM3 ET LEURS UTILISATIONS**
[72] STEIN, ANDREW MARC, US
[72] XU, JIAN, US
[72] MANENTI, LUIGI, US
[72] SABATOS-PEYTON, CATHERINE ANNE, US
[71] NOVARTIS AG, CH
[85] 2019-12-09
[86] 2018-06-27 (PCT/US2018/039825)
[87] (WO2019/006007)
[30] US (62/525,465) 2017-06-27
[30] US (62/633,899) 2018-02-22

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[13] A1
[51] **Int.Cl. G08B 17/107 (2006.01)**
[25] EN
[54] **CHAMBERLESS SMOKE DETECTOR WITH INDOOR AIR QUALITY DETECTION AND MONITORING**
[54] **DETECTEUR DE FUMEE SANS CHAMBRE AVEC DETECTION ET SURVEILLANCE DE LA QUALITE DE L'AIR INTERIEUR**
[72] LINCOLN, DAVID L., US
[72] ALEXANDER, JENNIFER M., US
[72] HARRIS, PETER R., US
[72] BIRNKRANT, MICHAEL J., US
[71] CARRIER CORPORATION, US
[85] 2019-12-09
[86] 2018-06-04 (PCT/US2018/035819)
[87] (WO2018/226567)
[30] US (62/517,614) 2017-06-09

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[13] A1
[51] **Int.Cl. A61K 35/60 (2006.01) A61K 33/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING CANCER RADIOTHERAPY**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER LE TRAITEMENT PAR RADIOTHERAPIE DU CANCER**
[72] HSIA, HOUN SIMON, US
[71] HSIA, HOUN SIMON, US
[85] 2019-12-09
[86] 2018-06-13 (PCT/US2018/037263)
[87] (WO2018/231937)
[30] US (62/519,087) 2017-06-13

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING CURONS AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT DES CURONS ET LEURS UTILISATIONS**
[72] KAHVEJIAN, AVAK, US
[72] WEINSTEIN, ERICA GABRIELLA, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] LEBO, KEVIN JAMES, US
[72] DIAZ, FERNANDO MARTIN, US
[72] NAWANDAR, DHANANJAY MANIKLAL, US
[71] FLAGSHIP PIONEERING INNOVATIONS V. INC., US
[85] 2019-12-09
[86] 2018-06-13 (PCT/US2018/037379)
[87] (WO2018/232017)
[30] US (62/518,898) 2017-06-13
[30] US (62/597,387) 2017-12-11
[30] US (62/676,730) 2018-05-25

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[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **BEVERAGE CARTRIDGE AUTHENTICATION**
[54] **AUTHENTIFICATION DE CARTOUCHE DE BOISSON**
[72] TING, MICHAEL, US
[72] RICHARDSON, ROSS, US
[72] NEVILLE, ALLAN, US
[72] PROULX, JARED J., US
[72] BENOIT, JOHN, US
[72] BROWN, ETHAN, US
[72] ELDRIDGE, COLDEN N., US
[71] SHARKNINJA OPERATING LLC, US
[85] 2019-12-09
[86] 2018-06-06 (PCT/US2018/036281)
[87] (WO2018/226847)
[30] US (62/516,360) 2017-06-07

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[13] A1
[51] **Int.Cl. F16L 3/02 (2006.01) F16L 3/12 (2006.01) F16L 3/237 (2006.01) H02G 3/32 (2006.01)**
[25] EN
[54] **CLAMP ASSEMBLY**
[54] **ENSEMBLE DE SERRAGE**
[72] GARCIA, JAFET, MX
[71] HUBBELL INCORPORATED, US
[85] 2019-12-09
[86] 2018-06-14 (PCT/US2018/037594)
[87] (WO2018/232151)
[30] US (62/519,546) 2017-06-14

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[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) A61K 47/68 (2017.01)**
[25] EN
[54] **METHODS OF PRODUCING DRUG-CARRYING POLYMER SCAFFOLDS AND PROTEIN-POLYMER-DRUG CONJUGATES**
[54] **PROCEDES DE PRODUCTION DE MATRICES POLYMERES TRANSPORTANT DES MEDICAMENTS, ET CONJUGUES PROTEINE-POLYMERE-MEDICAMENT**
[72] GURIJALA, VENU REDDY, US
[72] BOLLU, SATYANARAYAN REDDY, US
[72] LEBLANC, JACQUES, US
[72] LOWINGER, TIMOTHY B., US
[72] MCGILLICUDDY, DENNIS, US
[72] YIN, MAO, US
[72] YURKOVETSKIY, ALEKSANDR V., US
[71] MERSANA THERAPEUTICS, INC., US
[85] 2019-12-09
[86] 2018-06-22 (PCT/US2018/038988)
[87] (WO2018/237262)
[30] US (62/523,378) 2017-06-22
[30] US (62/545,296) 2017-08-14
[30] US (62/623,275) 2018-01-29

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[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/04 (2006.01) C07K 14/595 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INDUCING HUMORAL AND CELLULAR IMMUNITIES AGAINST TUMORS AND CANCER**
[54] **COMPOSITIONS ET PROCEDES POUR INDUIRE DES IMMUNITES HUMORALES ET CELLULAIRES CONTRE DES TUMEURS ET UN CANCER**
[72] SUTTON, LYNDA, US
[72] SMITH, JILL P., US
[72] OSBORNE, NICHOLAS, US
[72] HUBER, BRIAN E., US
[72] CATO, ALLEN, US
[71] CANCER ADVANCES INC., US
[85] 2019-12-09
[86] 2018-06-15 (PCT/US2018/037737)
[87] (WO2018/232230)
[30] US (62/520,267) 2017-06-15

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[13] A1
[51] **Int.Cl. G09B 19/14 (2006.01) G09B 9/052 (2006.01) G09B 19/16 (2006.01)**
[25] EN
[54] **DRIVING SIMULATION SCORING SYSTEM**
[54] **SYSTEME DE NOTATION DE SIMULATION DE CONDUITE**
[72] DEAKINS, CHUCK, US
[72] MARTIN, WILLIAM, US
[72] STALEY, TRAVIS, US
[72] OLSON, STEVEN, US
[72] HEGARTY, CHRISTOPHER, US
[72] BOUWKAMP, DAVID S., US
[71] FAAC INCORPORATED, US
[85] 2019-12-09
[86] 2018-06-15 (PCT/US2018/037875)
[87] (WO2018/232319)
[30] US (62/520,383) 2017-06-15
[30] US (16/009,862) 2018-06-15

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[13] A1
[51] **Int.Cl. H01L 27/146 (2006.01)**
[25] EN
[54] **LIGHT DETECTION DEVICES WITH PROTECTIVE LINER AND METHODS RELATED TO SAME**
[54] **DISPOSITIFS DE DETECTION DE LUMIERE COMPRENANT UNE DOUBLURE DE PROTECTION ET PROCEDES ASSOCIES**
[72] CAI, XIUYU, US
[72] PINTO, JOSEPH FRANCIS, US
[72] BAKER, THOMAS A., US
[72] FUNG, TRACY HELEN, US
[71] ILLUMINA, INC., US
[85] 2019-12-09
[86] 2018-11-20 (PCT/US2018/062017)
[87] (WO2019/125689)
[30] US (62/609,889) 2017-12-22
[30] NL (2020612) 2018-03-19

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[13] A1
[51] **Int.Cl. B01F 11/00 (2006.01) B01F 9/00 (2006.01) B01F 9/02 (2006.01) B01F 9/22 (2006.01) B01F 15/00 (2006.01) B01F 15/04 (2006.01) B05B 7/04 (2006.01)**
[25] EN
[54] **METERED DISPENSER CATCH FOR ASYMMETRIC ROTATION MIXER**
[54] **ELEMENT DE RECEPTION D'UN DISTRIBUTEUR DOSEUR POUR UN MELANGEUR A ROTATION ASYMETRIQUE**
[72] LAROSE, IAN, US
[71] FLACKTEK, INC., US
[85] 2019-12-09
[86] 2018-06-08 (PCT/US2018/036659)
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[30] US (62/517,616) 2017-06-09

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[54] **BALANCED PROCESS FOR EXTRUSION OF PLASTIC CORRUGATED SHEET AND SUBSEQUENT CONVERTING INTO PLASTIC BOXES**
[54] **PROCEDE EQUILIBRE POUR L'EXTRUSION DE FEUILLE EN PLASTIQUE ONDULE ET CONVERSION ULTERIEURE EN BOITES EN PLASTIQUE**
[72] MCMAHON, WILLIAM F., US
[72] BALAZS, DONALD J., US
[71] ORBIS CORPORATION, US
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[54] **3-D IMAGE SYSTEM FOR VEHICLE CONTROL**
[54] **SYSTEME D'IMAGE 3D POUR COMMANDE DE VEHICULE**
[72] MADSEN, TOMMY ERTBOELLE, US
[72] SAKHARKAR, ANANT, US
[71] AGJUNCTION LLC, US
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[54] **MOTOR CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE MOTEUR**
[72] STEINER, JAMES, US
[72] MOORTHY, DINESH SUNDARA, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-09
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[54] **VARIANTS D'ARN POLYMERASE T7**
[72] MILLER, MATHEW G., US
[72] CHNG, CHINPING, US
[72] ALVIZO, OSCAR, US
[72] MAYO, MELISSA ANN, US
[72] RIGGINS, JAMES NICHOLAS, US
[72] YI, XIANG, US
[72] PENFIELD, JONATHAN S., US
[72] HUISMAN, GJALT W., US
[72] DAVIS, JARED, US
[72] SAOTOME, YASUSHI, US
[71] CODEXIS, INC., US
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[54] **CAPTEURS D'INTEGRATION DE TISSU POUR DETECTION D'ANALYTES MULTIPLES**
[72] BALACONIS, KATE, US
[72] NICHOLS, SCOTT, US
[72] GUIDRY, SIERRA, US
[72] ZHANG, YU, US
[72] SCHWELLER, RYAN, US
[72] GAMSEY, SOYA, US
[72] CLARY, JACOB WILLIAM, US
[72] PRADHAN, SULOLIT, US
[72] WISNIEWSKI, NATALIE, US
[71] PROFUSA, INC., US
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[54] **RAZOR HANDLE**
[54] **MANCHE DE RASOIR**
[72] ZAREMBA, FRANCIS, US
[72] MAKAY, MICHAEL CHAD, US
[72] RICCOMINI, ROBERT ANGELO, US
[71] HARRY'S, INC., US
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[54] **STRATIFIES NON-TISSES DECORATIFS**
[72] WHITESELL, KENNETH MITCHELL, JR., US
[72] SIMMONS, SEAN BRACKEN, US
[72] WILSON, ERNEST FRANKLIN, US
[72] HEATH, TYLER, US
[71] AURIA SOLUTIONS UK I LTD., GB
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[54] **PROCESS FOR THE PREPARATION OF STANDARDIZED COMPOSITION OF ARJUNOGLUCOSIDE FROM THE BARK OF TERMINALIA ARJUNA**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION NORMALISEE D'ARJUNOGLUCOSIDE PROVENANT DE L'ECORCE DE TERMINALIA ARJUNA**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] BHAT, BEENA, IN
[71] SAMI LABS LIMITED, IN
[85] 2019-12-09
[86] 2018-06-21 (PCT/US2018/038738)
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[54] **CONTACT TIP, GAS DIFFUSER, AND NOZZLE FOR WELDING TORCH**
[54] **POINTE DE CONTACT, DIFFUSEUR DE GAZ ET BUSE POUR TORCHE DE SOUDAGE**
[72] CENTNER, ROBERT JOSEPH, US
[71] ILLINOIS TOOL WORKS INC., US
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[54] **ANTIBODY MOLECULES TO CD73 AND USES THEREOF**
[54] **MOLECULES D'ANTICORPS SE LIANT A CD73 ET LEURS UTILISATIONS**
[72] BROCK, ANSGAR, US
[72] CREMASCO, VIVIANA, US
[72] SABATOS-PEYTON, CATHERINE, ANNE, US
[72] DRANOFF, GLENN, US
[72] PRINZ, BIANKA, US
[72] THOMAS, JERRY, M., US
[72] CHAPPEL, SCOTT, US
[72] LAKE, ANDREW, US
[72] PATERSON, ALISON, US
[72] O'CONNOR, RACHEL, W., US
[72] WARREN, MICHAEL, US
[72] HOLLAND, PAMELA, US
[72] SUBRAMANIAN, KULANDAYAN, KASI, US
[72] FJAELLSKOG, MARIE-LOUISE, US
[72] BUSSIERE, DIRKSEN, US
[72] WOLDEGIORGIS, MIKIAS, US
[72] SHU, WEI, US
[72] VENABLE III, JOHN, DELMAS, US
[72] GLADSTONE, MICHAEL, US
[71] NOVARTIS AG, CH
[71] SURFACE ONCOLOGY, INC., US
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[54] **TECHNIQUES BASEES SUR L'APPRENTISSAGE PROFOND D'APPRENTISSAGE DE RESEAUX NEURONAUX A CONVOLUTION PROFONDE**
[72] GAO, HONG, US
[72] FARH, KAI-HOW, US
[72] SUNDARAM, LAKSSHMAN, US
[72] MCRAE, JEREMY FRANCIS, US
[71] ILLUMINA, INC., US
[85] 2019-12-09
[86] 2018-10-15 (PCT/US2018/055840)
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[54] **IMPROVED PLANAR COMPOSITE STRUCTURES AND ASSEMBLIES FOR AXIAL FLUX MOTORS AND GENERATORS**
[54] **STRUCTURES COMPOSITES PLANES AMELIOREES ET ENSEMBLES POUR MOTEURS ET GENERATEURS A FLUX AXIAL**
[72] SHAW, STEVEN ROBERT, US
[71] E-CIRCUIT MOTORS, INC., US
[85] 2019-12-09
[86] 2018-06-26 (PCT/US2018/039500)
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[54] **METHODES POUR LE TRAITEMENT DU CANCER**
[72] PARASURAMAN, SUDHA, US
[72] WANG, YAN, US
[71] X4 PHARMACEUTICALS, INC., US
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[54] **ANTI-HUMAN PAPILLOMAVIRUS (HPV) ANTIGEN-BINDING PROTEINS AND METHODS OF USE THEREOF**
[54] **PROTEINES DE LIAISON A L'ANTIGENE ANTI-PAPILLOMAVIRUS HUMAIN ET LEURS METHODES D'UTILISATION**
[72] BRAY, KEVIN A., US
[72] DELFINO, FRANK, US
[72] FRANKLIN, MATTHEW C., US
[72] GARNOVA, ELENA S., US
[72] KIRSHNER, JESSICA R., US
[72] MACDONALD, DOUGLAS, US
[72] OLSON, WILLIAM, US
[72] THURSTON, GAVIN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **SYSTEME ET PROCEDE DE COMPENSATION DE VOLUME DE SYSTEME D'INJECTEUR DE FLUIDE**
[72] MCDERMOTT, MICHAEL, US
[72] SPOHN, MICHAEL, US
[72] BARONE, WILLIAM, US
[72] MARSH, CHELSEA, US
[71] BAYER HEALTHCARE LLC, US
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[86] 2018-08-28 (PCT/US2018/048294)
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[54] **ELASTICITY IMAGING IN HIGH INTENSITY FOCUSED ULTRASOUND**
[54] **IMAGERIE D'ELASTICITE DANS DES ULTRASONS FOCALISES DE HAUTE INTENSITE**
[72] WEST, LAWRENCE C., US
[72] CHEN, KAILIANG, US
[72] RALSTON, TYLER S., US
[72] SATIR, SARP, US
[72] ZAHORIAN, JAIME SCOTT, US
[71] BUTTERFLY NETWORK, INC., US
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[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR MULTIPLEXING SCHEMES FOR MILLIMETER WAVE DOWNLINK SINGLE CARRIER WAVEFORMS**
[54] **TECHNIQUES ET APPAREILS POUR DES SCHEMAS DE MULTIPLEXAGE POUR FORMES D'ONDE DE PORTEUSE UNIQUE DE LIAISON DESCENDANTE A ONDES MILLIMETRIQUES**
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[72] SUN, JING, US
[72] KADOUS, TAMER, US
[71] QUALCOMM INCORPORATED, US
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[54] **CIRCUIT INDICATEUR DE BASSE PUISSANCE POUR VISEURS OPTIQUES ET AUTRES DISPOSITIFS**
[72] WAGNER, KEVIN B., CA
[72] NOBES, RYAN W, CA
[71] RAYTHEON CANADA LTD., CA
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[54] **FORMES AMORPHES ET CRISTALLINES D'INHIBITEURS DE L'IDO**
[72] POWERS, JAY PATRICK, US
[72] BECK, HILARY PLAKE, US
[72] OSIPOV, MAKSIM, US
[72] REILLY, MAUREEN KAY, US
[72] SHUNATONA, HUNTER PAUL, US
[72] WALKER, JAMES ROSS, US
[72] ZIBINSKY, MIKHAIL, US
[72] ROSENBAUM, TAMAR, US
[72] YOUNG, IAN SCOTT, US
[72] NELSON, JENNIFER, US
[72] VLAHOVA, PETINKA, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[25] EN
[54] **USING NUCLEOSOME INTERACTING PROTEIN DOMAINS TO ENHANCE TARGETED GENOME MODIFICATION**
[54] **UTILISATION DE DOMAINES DE PROTEINES INTERAGISSANT AVEC DES NUCLEOSOMES POUR AMELIORER LA MODIFICATION CIBLEE DU GENOME**
[72] CHEN, FUQIANG, US
[72] DING, XIAO, US
[72] FENG, YONGMEI, US
[72] DAVIS, GREGORY D., US
[71] SIGMA-ALDRICH CO. LLC, US
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[54] **MODE DE FONCTIONNEMENT D'UN SYSTEME DE TRAITEMENT DES EAUX USEES**
[72] KRASOVIC, JULIA LYNNE, CA
[71] AXINE WATER TECHNOLOGIES INC., CA
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[54] **ANTICORPS VH-L1-CK1-L2-CH1 A CHAINE UNIQUE**
[72] MUELLER, WERNER, DE
[72] WABL, MATTHIAS, US
[71] TRIANNI, INC., US
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[54] **ARN GUIDE SYNTHETIQUE POUR SYSTEMES D'ACTIVATEURS CRISPR/CAS**
[72] JI, QINGZHOU, US
[72] WARD, BRIAN, US
[72] RAVANELLI, ANDREW, US
[71] SIGMA ALDRICH CO. LLC, US
[85] 2019-12-09
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[54] **METHOD FOR TREATING A SIDE EFFECT OF IMMUNOTHERAPY**
[54] **METHODE DE TRAITEMENT D'EFFET SECONDAIRE D'IMMUNOTHERAPIE**
[72] KELLY, KILIAN, AU
[72] SLUKVIN, IGOR, US
[71] CYNATA THERAPEUTICS LIMITED, AU
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[86] 2018-06-13 (PCT/AU2018/050584)
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[54] **METHOD FOR CONSOLIDATING MATURE FINES TAILINGS**
[54] **PROCEDE DE CONSOLIDATION DE RESIDUS DE FINES MATURES**
[72] GATES, IAN D., CA
[72] WANG, JINGYI, CA
[72] SU, YI, CA
[71] CEDA SERVICES AND PROJECTS LP, CA
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[86] 2018-01-30 (PCT/CA2018/050106)
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[30] US (62/453,030) 2017-02-01

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[51] **Int.Cl. G01M 3/26 (2006.01)**
[25] EN
[54] **AUTOMATED DETERMINATION OF VALVE CLOSURE AND INSPECTION OF A FLOWLINE**
[54] **DETERMINATION AUTOMATISEE DE FERMETURE D'UNE SOUPAPE ET INSPECTION D'UNE CONDUITE D'ECOULEMENT**
[72] BENNETT, DAVID B., US
[72] ACQUAAH, ANTONIO K., US
[72] VISHWANATH, MANISH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **BEVERAGE AND VAPOR DISPENSER**
[54] **DISTRIBUTEUR DE BOISSON ET VAPEUR**
[72] UBAKAR, BRUNO BAKER, CA
[71] TAFEE TECHNOLOGIES CORP., CA
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[54] **SYSTEME DE GENERATION DE DOSSIER CONCERNANT DES SOINS COMMUNAUTAIRES ADMINISTRES AUX PATIENTS**
[72] KRASNOV, ANDREW, CA
[72] PAGET, MICHAEL ANDREW, CA
[71] SENSORY TECHNOLOGIES OF CANADA INC., CA
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[51] **Int.Cl. G02B 21/14 (2006.01)**
[25] EN
[54] **DUAL OPTICAL GRATING SLIDE STRUCTURED ILLUMINATION IMAGING**
[54] **IMAGERIE D'ECLAIRAGE STRUCTURE PAR COULISSEMENT A DOUBLE RESEAU OPTIQUE**
[72] NEWMAN, PETER CLARKE, US
[72] CONDELLO, DANILO, US
[72] LU, SHAOPING, US
[72] PRINCE, SIMON, US
[72] SIU, MEREK C., US
[72] HONG, STANLEY S., US
[72] LIU, AARON, US
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[72] EVANS, GERAINT WYN, GB
[71] ILLUMINA, INC., US
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[54] **PROCEDE DE TRAITEMENT DE DEFAILLANCE DE RADIOMESSAGERIE, DISPOSITIF DE RESEAU D'ACCES ET DISPOSITIF DE RESEAU CENTRAL**
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[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **DATA TRANSMISSION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-10
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[51] **Int.Cl. H04W 72/04 (2009.01)**
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[54] **WIRELESS COMMUNICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-10
[86] 2017-08-10 (PCT/CN2017/096910)
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[54] **INFORMATION INDICATION METHOD, TERMINAL, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE D'INDICATION D'INFORMATIONS, TERMINAL ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] EN
[54] **INFORMATION SEARCH METHOD, APPARATUS AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE RECHERCHE D'INFORMATIONS**
[72] TANG, BIAO, CN
[72] ZHANG, GONG, CN
[72] SU, JING, CN
[72] ZHANG, TAO, CN
[72] ZHU, SHENG, CN
[72] HOU, PEIXU, CN
[72] YU, ZHIAN, CN
[71] 10353744 CANADA LTD., CA
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[51] **Int.Cl. B64D 13/06 (2006.01) A62C 3/08 (2006.01) B64D 37/32 (2006.01) B64D 41/00 (2006.01)**
[25] FR
[54] **SYSTEM FOR INERTING AT LEAST ONE VOLUME IN AN AIRCRAFT VIA AT LEAST ONE FUEL CELL**
[54] **SYSTEME D'INERTAGE D'AU MOINS UN VOLUME DANS UN AERONEF VIA AU MOINS UNE PILE A COMBUSTIBLE**
[72] GIROUD, NELLY, FR
[72] MAILHET, PIERRICK, FR
[72] VANDROUX, OLIVIER, FR
[71] ZODIAC AEROTHECNICS, FR
[85] 2019-12-10
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[51] **Int.Cl. C10L 1/10 (2006.01)**
[25] EN
[54] **WINTERIZED POUR POINT DEPRESSANTS**
[54] **ABAISSEURS DE POINT D'ECOULEMENT ADAPTES POUR L'HIVER**
[72] LI, LINGLING, US
[72] GADBERRY, JAMES FREDERIC, US
[72] O'NEAL, TIARA ELIZABETH, US
[72] KHANDEKAR, CHANDRASHEKHAR YESHWANT, US
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
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[25] EN
[54] **AN ENTRANCE SYSTEM HAVING ONE OR MORE MOVABLE DOOR MEMBERS AND AN INTELLIGENT GLASS PANEL**
[54] **SYSTEME D'ENTREE COMPRENANT UN OU PLUSIEURS ELEMENTS DE PORTE MOBILES ET UN PANNEAU DE VERRE INTELLIGENT**
[72] LERPARD, PATRIK, SE
[72] TROBRO, CHRISTIAN, SE
[72] SAMUELSSON, MATS, SE
[72] NAVNE, MATHIAS, SE
[72] DUINKER, TONY, NL
[72] HULSHOF, ERIC, NL
[72] PAULSSON, STEFAN, SE
[72] WOLFE, JEFFREY, US
[72] DREYER, ROGER, SE
[72] SODERQVIST, SVEN-GUNNAR, SE
[72] LUNDSTROM, MARCUS, SE
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
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[51] **Int.Cl. B66B 9/08 (2006.01)**
[25] EN
[54] **STAIRLIFT**
[54] **MONTE-ESCALIER**
[72] VAN EIJGEN, WILCO, NL
[71] THYSSENKRUPP STAIRLIFTS B.V., NL
[71] THYSSENKRUPP AG, DE
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[30] DE (10 2017 212 019.3) 2017-07-13

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[54] **CONTAINER BOTTOM BASE PROVIDED WITH A BI-CONCAVE ARCH**
[54] **BASE INFERIEURE DE RECIPIENT COMPORTANT UNE VOUTE BICONCAVE**
[72] DABROWSKI, NICOLAS, FR
[72] TENIERE, VINCENT, FR
[71] SOCIETES DES PRODUITS NESTLE S.A., CH
[85] 2019-12-10
[86] 2018-06-07 (PCT/EP2018/065038)
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[51] **Int.Cl. F01D 5/28 (2006.01) C23C 30/00 (2006.01)**
[25] FR
[54] **COATED TURBOMACHINE PART AND ASSOCIATED METHOD OF PRODUCTION**
[54] **PIECE DE TURBOMACHINE REVETUE ET PROCEDE DE FABRICATION ASSOCIE**
[72] BIANCHI, LUC, FR
[72] JOULIA, AURELIEN, FR
[72] BERNARD, BENJAMIN DOMINIQUE ROGER JOSEPH, FR
[71] SAFRAN, FR
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[51] **Int.Cl. C04B 28/04 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING CONCRETE ARTICLES AND STRUCTURES**
[54] **PROCEDE DE FABRICATION D'ARTICLES ET DE STRUCTURES EN BETON**
[72] VINCENT, DANY, FR
[72] RIEDER, KLAUS-ALEXANDER, US
[72] KLAUS, STEPHEN P., US
[72] THOMAS, DAMIAN, GB
[71] GCP APPLIED TECHNOLOGIES INC., US
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[30] EP (17175822.0) 2017-06-13

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[51] **Int.Cl. G09F 3/03 (2006.01) G09F 3/16 (2006.01) G09F 21/02 (2006.01)**
[25] EN
[54] **SECURITY TAG**
[54] **ETIQUETTE DE SECURITE**
[72] JEVENS, PAUL, IE
[71] JEVENS DESIGN LIMITED T/A THE HANGER COMPANY, IE
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[25] EN
[54] **ANTIBIOTIC COMPOSITION FOR THE TREATMENT OF INFECTIONS WITH RESISTENT MICROORGANISM**
[54] **COMPOSITION ANTIBIOTIQUE POUR LE TRAITEMENT D'INFECTIONS AU MOYEN D'UN MICRO-ORGANISME RESISTANT**
[72] JEPPESEN, PER BENDIX, DK
[72] NIELSEN, DAN MONSTER, DK
[71] PULMOPHARMA IVS, DK
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[86] 2018-06-13 (PCT/EP2018/065684)
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[25] EN
[54] **HERBICIDALLY ACTIVE 3-PHENYLISOXAZOLINE-5-CARBOXAMIDES OF TETRAHYDRO AND DIHYDROFURAN CARBOXYLIC ACIDS AND ESTERS**
[54] **3-PHENYLISOXAZOLINE-5-CARBOXAMIDES D'ACIDES CARBOXYLIQUES ET D'ESTERS DE TETRAHYDRO- ET DIHYDROFURANE A EFFET HERBICIDE**
[72] PETERS, OLAF, DE
[72] HAAF, KLAUS BERNHARD, DE
[72] LINDELL, STEPHEN DAVID, DE
[72] BOJACK, GUIDO, DE
[72] LAW, KATHERINE ROSE, DE
[72] MACHETTIRA, ANU BHEEMAIAH, DE
[72] DIETRICH, HANSJORG, DE
[72] GATZWEILER, ELMAR, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
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[51] **Int.Cl. H04L 12/24 (2006.01)**
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[54] **INTRA-CLUSTER NODE TROUBLESHOOTING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE PANNE POUR DES N~UDS D'UNE GRAPPE**
[72] ZENG, YAN, CN
[72] YU, FAN, CN
[72] WANG, YINWEN, CN
[72] SHUAI, YUTAO, CN
[72] YUE, XIAOMING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **WORKFLOW CONTROL METHOD AND SYSTEM BASED ON ONE-TO-ONE CORRESPONDENCE BETWEEN ROLES AND USERS**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FLUX DE TRAVAUX BASES SUR UNE CORRESPONDANCE BIUNIVOQUE ENTRE DES ROLES ET DES UTILISATEURS**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2019-12-10
[86] 2018-04-28 (PCT/CN2018/085162)
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[51] **Int.Cl. H04L 25/03 (2006.01)**
[25] EN
[54] **REFERENCE SIGNAL TRANSMISSION METHOD AND TRANSMISSION APPARATUS**
[54] **PROCEDE DE TRANSMISSION DE SIGNAL DE REFERENCE ET APPAREIL DE TRANSMISSION**
[72] ZHANG, XI, CN
[72] XU, MINGHUI, CN
[72] XIAO, WEIMIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-10
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[51] **Int.Cl. G06F 21/60 (2013.01)**
[25] EN
[54] **METHOD FOR SETTING FORM FIELD OPERATION AUTHORITY OF WORKFLOW, AND METHOD FOR SETTING FORM FIELD OPERATION AUTHORITY OF APPROVAL NODE**
[54] **PROCEDE DE REGLAGE D'AUTORITE D'OPERATION DE CHAMP DE FORMULAIRE D'UN FLUX DE TRAVAIL, ET PROCEDE DE REGLAGE D'AUTORITE D'OPERATION DE CHAMP DE FORMULAIRE D'UN N□UD D'APPROBATION**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2019-12-10
[86] 2018-05-15 (PCT/CN2018/086923)
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[30] CN (201710344977.9) 2017-05-16

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[51] **Int.Cl. C07D 239/22 (2006.01) A61K 31/506 (2006.01) A61K 31/527 (2006.01) A61P 31/20 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 417/04 (2006.01) C07D 417/10 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **HETEROARYLDIHYDROPYRIMIDINE DERIVATIVES AND METHODS OF TREATING HEPATITIS B INFECTIONS**
[54] **DERIVES HETEROARYLDIHYDROPYRIMIDINE ET METHODES DE TRAITEMENT D'INFECTIONS PAR LE VIRUS DE L'HEPATITE B**
[72] WAN, ZHAO-KUI, US
[72] JIANG, YIMIN, US
[72] DAI, XUEDONG, CN
[72] LIU, QIAN, CN
[72] CHEUNG, WING SHUN, US
[72] DENG, GANG, CN
[72] FU, LIQIANG, CN
[71] JANSSEN PHARMACEUTICA NV, BE
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[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **METHOD BASED ON FORM FIELDS FOR ARRANGING EXAMINATION AND APPROVAL ROLES AT WORKFLOW EXAMINATION AND APPROVAL NODES**
[54] **PROCEDE BASE SUR DES CHAMPS DE FORMULAIRE PERMETTANT D'ORGANISER DES ROLES D'EXAMEN ET D'APPROBATION SUR DES N□UDS D'EXAMEN ET D'APPROBATION DE FLUX DE TRAVAIL**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2019-12-10
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[51] **Int.Cl. C07D 471/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRROLOPYRIDINE-DERIVATIVES**
[54] **DERIVES DE PYRROLOPYRIDINE SUBSTITUES**
[72] BUCHMANN, BERND, DE
[72] SCHMEES, NORBERT, DE
[72] MOWAT, JEFFREY STUART, DE
[72] LEDER, GABRIELE, DE
[72] PANKNIN, OLAF, DE
[72] CARRETERO, RAFAEL, DE
[72] AIGUABELLA FONT, NURIA, DE
[72] BRIEM, HANS, DE
[72] FRIBERG, ANDERS ROLAND, DE
[72] HUSEMANN, MANFRED, DE
[72] BOMER, ULF, DE
[72] STOCKIGT, DETLEF, DE
[72] NEUHAUS, ROLAND, DE
[72] BERNDT, SANDRA, DE
[72] PETERSEN, KIRSTIN, DE
[72] OFFRINGA, RIENK, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[30] EP (17175861.8) 2017-06-13

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[51] **Int.Cl. C09D 167/00 (2006.01) C09D 133/00 (2006.01)**
[25] EN
[54] **ONE-COMPONENT COATING COMPOSITION AND SUBSTRATES COATED WITH THE SAME**
[54] **COMPOSITION DE REVETEMENT MONOCOMPOSANT ET SUBSTRATS REVETUS DE CELLE-CI**
[72] LIU, WENQING, CN
[72] WANG, JUAN, CN
[72] SONG, LIMING, CN
[71] PPG COATINGS (TIANJIN) CO., LTD., CN
[85] 2019-12-10
[86] 2018-06-12 (PCT/CN2018/090870)
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[30] CN (201710444473.4) 2017-06-13

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[51] **Int.Cl. A61F 5/56 (2006.01) A61C 7/08 (2006.01) A61C 7/36 (2006.01)**
[25] EN
[54] **OCCLUSAL SPLINT ARRANGEMENT WITH FIXING BAND**
[54] **DISPOSITIF DE GOUTTIERE D'OCCLUSION POURVU D'UNE BANDE DE FIXATION**
[72] HOFMANN, KONRAD, DE
[71] HOFMANN, KONRAD, DE
[85] 2019-12-10
[86] 2018-06-21 (PCT/EP2018/066653)
[87] (WO2018/234498)
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[51] **Int.Cl. E01C 3/04 (2006.01) E02D 17/20 (2006.01)**
[25] EN
[54] **GEOGRID AND MANUFACTURING METHOD THEREOF**
[54] **GEOGRILLE ET SON PROCEDE DE FABRICATION**
[72] ZHANG, MAN, CN
[72] WEI, YONGKONG, CN
[71] LANZHOU DEKE ENGINEERING MATERIALS CO., LTD, CN
[71] ZHANG, MAN, CN
[85] 2019-12-10
[86] 2018-06-13 (PCT/CN2018/091051)
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[30] CN (201710500214.9) 2017-06-27
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[25] EN
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[54] **PROCEDE DE RECUPERATION DE METAUX PRECIEUX A PARTIR DE RESSOURCES SECONDAIRES**
[72] GABOR, ESTHER, DE
[72] TIFFERT, YVONNE, DE
[72] MEURER, GUIDO, DE
[71] BRAIN AG, DE
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[51] **Int.Cl. C10G 15/08 (2006.01) C10G 32/02 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR IMPROVEMENT OF HEAVY CRUDE OIL USING INDUCTION HEATING**
[54] **PROCEDES ET SYSTEMES POUR L'AMELIORATION DU PETROLE BRUT LOURD PAR CHAUFFAGE PAR INDUCTION**
[72] ALVARADO, ALONSO A., PA
[72] BLANCO, CAROLINA, PA
[72] BRICENO, MARIA, PA
[72] CASTRO, ALEXANDRA, PA
[72] ESPIN, DOUGLAS, PA
[71] NANO DISPERSIONS TECHNOLOGY, INC., PA
[85] 2019-12-10
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[25] EN
[54] **FLEXIBLE RESISTOR**
[54] **RESISTANCE FLEXIBLE**
[72] ZOPPAS, FEDERICO, IT
[72] ZANELLA, STEFANO, IT
[72] MARCER, SANDRO, IT
[72] EUSEBIO, MARIO, IT
[71] I.R.C.A. S.P.A. INDUSTRIA RESISTENZE CORAZZATE E AFFINI, IT
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[86] 2018-06-13 (PCT/IB2018/054308)
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[51] **Int.Cl. A61J 9/08 (2006.01) A47G 19/22 (2006.01)**
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[54] **SIPPY CUP**
[54] **GOBELET ANTIFUITE**
[72] MICHAELS, DANNIELLE LISA, AU
[72] FILER, MONIQUE MIRIAM, AU
[71] B.BOX FOR KIDS DEVELOPMENTS PTY LTD, AU
[85] 2019-12-10
[86] 2017-06-14 (PCT/IB2017/053532)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 47/62 (2017.01) A61K 38/12 (2006.01) A61P 35/00 (2006.01) C07K 1/00 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **NOVEL METHOD FOR SYNTHESIZING AMANITINS**
[54] **NOUVEAU PROCEDE DE SYNTHESE D'AMANITINES**
[72] LUTZ, CHRISTIAN, DE
[72] SIMON, WERNER, DE
[72] WERNER-SIMON, SUSANNE, DE
[72] MULLER, CHRISTOPH, DE
[72] HECHLER, THORSTEN, DE
[72] KULKE, MICHAEL, DE
[71] HEIDELBERG PHARMA RESEARCH GMBH, DE
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[86] 2018-08-06 (PCT/EP2018/071268)
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[51] **Int.Cl. G09F 13/18 (2006.01) F21V 33/00 (2006.01) G09F 13/04 (2006.01)**
[25] EN
[54] **A LIGHT FRAME**
[54] **CADRE LUMINEUX**
[72] JAMES, MARK ADRIAN, NZ
[71] ARTICULIGHT DISPLAY LIMITED, NZ
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[86] 2018-06-22 (PCT/IB2018/054602)
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[30] NZ (733152) 2017-06-23

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[51] **Int.Cl. G08B 1/08 (2006.01)**
[25] EN
[54] **DEVICE FOR SIGNALLING AUDIBLE ALARMS AND THE LIKE**
[54] **DISPOSITIF DE SIGNALISATION D'ALARMES AUDIBLES ET SIMILAIRES**
[72] FARRIS, ALESSANDRA, IT
[72] AMBU, GIORGIA, IT
[72] PINESE, ANTONIO, IT
[72] BUFFETTI, LEONARDO, IT
[72] ARCIULO, RICCARDO, IT
[71] INTENDIME SRL, IT
[85] 2019-12-10
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[30] IT (102016000085079) 2016-08-12

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[51] **Int.Cl. A23L 3/32 (2006.01) A23L 5/30 (2016.01) A23L 19/00 (2016.01) A23L 19/18 (2016.01) A23B 4/015 (2006.01) A23B 5/015 (2006.01) A23B 7/015 (2006.01) A23B 9/06 (2006.01) A23C 3/07 (2006.01) A23L 2/50 (2006.01) A23L 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A FOOD, IN PARTICULAR A SNACK PRODUCT, WITH IMPROVED INTRODUCTION OF AN ADDITIVE BY APPLICATION OF AN ELECTRIC FIELD**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT ALIMENTAIRE, NOTAMMENT UN PRODUIT DE GRIGNOTAGE, AVEC INTRODUCTION AMELIOREE D'UN ADDITIF PAR APPLICATION D'UN CHAMP ELECTRIQUE**
[72] OSTERMEIER, ROBIN, DE
[72] ROEDER, ISABELL, DE
[72] TOEPFL, STEFAN, DE
[71] ELEA VERTRIEBS- UND VERMARKTUNGSGESELLSCHAFT MBH, DE
[85] 2019-12-10
[86] 2018-06-12 (PCT/EP2018/065442)
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[30] DE (10 2017 210 328.0) 2017-06-20

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[51] **Int.Cl. A61F 5/01 (2006.01) A41B 11/00 (2006.01)**
[25] EN
[54] **SOCK FOR PREVENTING ANKLE INJURY**
[54] **CHAUSSETTE POUR EMPECHER UNE BLESSURE DE LA CHEVILLE**
[72] DE FREITAS SILVA, DIOGO CESAR, PT
[72] TOME LOPES, ALFREDO ALEXANDRE, PT
[72] FERREIRA DA SILVA MAIA, FLAVIO MIGUEL, PT
[72] DE CAMPOS SIMOES, EMANUEL JOSE, PT
[71] PEUGAS CARLOS MAIA, LDA, PT
[85] 2019-12-10
[86] 2018-06-27 (PCT/IB2018/054764)
[87] (WO2019/003145)
[30] PT (110168) 2017-06-27

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[51] **Int.Cl. C07D 413/12 (2006.01) A01N 43/80 (2006.01)**
[25] EN
[54] **HERBICIDALLY ACTIVE 3-PHENYLISOXAZOLINE-5-CARBOXAMIDES OF TETRAHYDRO AND DIHYDROFURAN CARBOXAMIDES**
[54] **3-PHENYLISOXAZOLINE-5-CARBOXAMIDES D'AMIDES D'ACIDE CARBOXYLIQUE DE TETRAHYDRO- ET DIHYDROFURANE A EFFET HERBICIDE**
[72] PETERS, OLAF, DE
[72] HAAF, KLAUS BERNHARD, DE
[72] BOJACK, GUIDO, DE
[72] LAW, KATHERINE ROSE, DE
[72] MACHETTIRA, ANU BHEEMAIAH, DE
[72] DIETRICH, HANSJORG, DE
[72] GATZWEILER, ELMAR, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] ASMUS, ELISABETH, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2019-12-10
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[87] (WO2018/228986)
[30] EP (17175780.0) 2017-06-13

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[13] A1
[51] **Int.Cl. A01N 63/00 (2006.01)**
[25] EN
[54] **MICROBIAL CONSORTIUM FOR SUPPRESSING NON-GRAS MICROORGANISMS ON A SURFACE**
[54] **CONSORTIUM MICROBIEN POUR SUPPRIMER DES MICRO-ORGANISMES NON GRAS SUR UNE SURFACE**
[72] VERSTRAETE, WILLY, BE
[72] BRANCO, VANDA ISABEL MACHADO, BE
[72] WAMBEKE, MARIANE ADELE LEONA, BE
[71] AVECOM NV, BE
[85] 2019-12-10
[86] 2018-06-14 (PCT/EP2018/065813)
[87] (WO2018/229192)
[30] BE (BE2017/5431) 2017-06-16

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[13] A1
[51] **Int.Cl. A61K 31/7042 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING OR PREVENTING CARDIOVASCULAR EVENTS IN PATIENTS WITH TYPE II DIABETES MELLITUS**
[54] **METHODE DE REDUCTION OU DE PREVENTION D'EVENEMENTS CARDIOVASCULAIRES CHEZ DES PATIENTS ATTEINTS DE DIABETE SUCRE DE TYPE II**
[72] ROSENTHAL, NORMAN R., US
[72] WAYS, DOUGLAS K., US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2019-12-10
[86] 2018-06-11 (PCT/IB2018/054208)
[87] (WO2018/229630)
[30] US (62/518,547) 2017-06-12

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[51] **Int.Cl. A23J 1/14 (2006.01) A23L 11/30 (2016.01)**
[25] EN
[54] **CHICKPEA PROTEIN CONCENTRATE**
[54] **CONCENTRE DE PROTEINES DE POIS CHICHE**
[72] REIFEN, RAM, IL
[72] BAR-EL DADON, SHIMRIT, IL
[72] SCHURING, MARTIN, DE
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSAM LTD., IL
[85] 2019-12-10
[86] 2017-07-09 (PCT/IL2017/050768)
[87] (WO2018/011786)
[30] US (62/360,388) 2016-07-10
[30] US (62/429,890) 2016-12-05

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[51] **Int.Cl. C09J 123/08 (2006.01) C08K 5/01 (2006.01) C08L 9/00 (2006.01) C08L 23/12 (2006.01) C08L 23/22 (2006.01)**
[25] EN
[54] **HOT MELT ADHESIVE**
[54] **ADHESIF THERMOFUSIBLE**
[72] KAKUDA, ATSUSHI, JP
[72] MAEDA, NAOHIRO, JP
[71] HENKEL AG & CO. KGAA, DE
[85] 2019-12-10
[86] 2018-06-15 (PCT/JP2018/022947)
[87] (WO2019/003964)
[30] JP (2017-128174) 2017-06-30

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[51] **Int.Cl. A61J 7/04 (2006.01) G16H 20/13 (2018.01) A61J 7/00 (2006.01) B25J 9/18 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **HEALTHCARE MANAGEMENT SERVICES**
[54] **SERVICES DE GESTION DE SOINS DE SANTE**
[72] MUSINI, EMANUELE, US
[72] WYMAN, JAMES MALCOLM ANDREW, US
[72] BAGLINI, EMANUELE, IT
[72] SCALMATO, ANTONELLO, IT
[72] VERNAZZA, PAOLO, IT
[72] DENEI, SIMONE, IT
[72] DULACH, ANDREA, IT
[72] DESIDERIO, ALFONSO, IT
[72] PETACCHI, LUCA, IT
[72] FENG, AIDEN Y., US
[71] PILLO, INC., US
[85] 2019-12-10
[86] 2017-06-12 (PCT/US2017/037048)
[87] (WO2017/218425)
[30] US (62/349,257) 2016-06-13
[30] US (62/464,598) 2017-02-28

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 16/32 (2009.01) H04W 72/08 (2009.01) H04W 88/06 (2009.01)**
[25] EN
[54] **USER EQUIPMENT AND BASE STATION APPARATUS**
[54] **DISPOSITIF D'UTILISATEUR ET DISPOSITIF DE STATION DE BASE**
[72] TAKAHASHI, HIDEAKI, JP
[72] UMEDA, HIROMASA, JP
[72] ANDOU, KEI, JP
[71] NTT DOCOMO, INC., JP
[85] 2019-12-10
[86] 2018-07-23 (PCT/JP2018/027486)
[87] (WO2019/031212)
[30] JP (2017-156012) 2017-08-10

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[51] **Int.Cl. A47J 31/38 (2006.01) A47J 31/00 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION MACHINE WITH MANUALLY OPERATED PUMP WITH FLOW CONTROL MEANS**
[54] **MACHINE DE PREPARATION DE BOISSONS A POMPE A ACTIONNEMENT MANUEL DOTEE DE MOYENS DE COMMANDE D'ECOULEMENT**
[72] OBLIGER, NICOLAS, FR
[72] MAGATTI, MARCO, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2019-12-10
[86] 2018-06-18 (PCT/EP2018/066040)
[87] (WO2018/234203)
[30] EP (17177285.8) 2017-06-22

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[51] **Int.Cl. C22C 38/00 (2006.01) B65D 41/12 (2006.01) C21D 9/46 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR CROWN CAP, CROWN CAP AND METHOD FOR PRODUCING STEEL SHEET FOR CROWN CAP**
[54] **TOLE D'ACIER POUR CAPSULE-COURONNE, CAPSULE-COURONNE ET PROCEDE DE FABRICATION DE TOLE D'ACIER POUR CAPSULE-COURONNE**
[72] KARIYA, NOBUSUKE, JP
[72] UENO, TAKASHI, JP
[72] YAMAMOTO, YOSHIHIDE, JP
[72] KOJIMA, KATSUMI, JP
[72] TATENO, BUNGO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2019-12-10
[86] 2018-07-25 (PCT/JP2018/027995)
[87] (WO2019/026739)
[30] JP (2017-148315) 2017-07-31

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS, DEVICES, AND METHODS OF GASTROESOPHAGEAL REFLUX DISEASE SENSITIVITY TESTING**
[54] **COMPOSITIONS, DISPOSITIFS, ET METHODES D'EVALUATION DE LA SENSIBILITE AU REFLUX GASTROESOPHAGIEN PATHOLOGIQUE**
[72] IRANI-COHEN, ZACKARY, US
[72] LADERMAN, ELISABETH, US
[71] BIOMERICA, INC., US
[85] 2019-12-10
[86] 2017-06-13 (PCT/US2017/037267)
[87] (WO2017/218546)
[30] US (62/349,196) 2016-06-13

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[13] A1
[51] **Int.Cl. A61F 2/01 (2006.01)**
[25] EN
[54] **FILTER DEVICE**
[54] **DISPOSITIF DE FILTRE**
[72] SAKAKIBARA, HAJIME, JP
[72] YAGI, TAKAHIRO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2019-12-10
[86] 2018-07-27 (PCT/JP2018/028213)
[87] (WO2019/022224)
[30] JP (2017-145440) 2017-07-27

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[51] **Int.Cl. C10G 1/02 (2006.01) C10G 1/08 (2006.01) C10G 1/10 (2006.01) C10B 53/02 (2006.01) C10B 57/06 (2006.01)**
[25] EN
[54] **EFFICIENT RECOVERY OF VALUABLE COMPONENTS FROM BIOMASS CATALYTIC PYROLYSIS EFFLUENT**
[54] **RECUPERATION EFFICACE DE CONSTITUANTS VALORISABLES CONTENUS DANS UN EFFLUENT DE PYROLYSE CATALYTIQUE DE BIOMASSE**
[72] DIGNE, ROMINA, FR
[72] RUIZ MARTINEZ, CRISTINA, NL
[72] PAGOT, ALEXANDRE BERNARD, FR
[72] JACQUIN, MARC FRANCOIS PHILIPPE, FR
[72] FEUGNET, FREDERIC JEAN-MICHEL, FR
[72] SORENSEN, CHARLES MITCHEL, US
[71] ANELLOTECH, INC., US
[85] 2019-12-10
[86] 2017-07-27 (PCT/US2017/044141)
[87] (WO2019/022743)

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[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/12 (2006.01) A61B 8/13 (2006.01) A61B 8/14 (2006.01)**
[25] EN
[54] **TRANSORAL ULTRASOUND PROBE AND METHOD OF USE**
[54] **SONDE ULTRASONORE TRANSORALE ET PROCEDE D'UTILISATION**
[72] KATZBERG, RICHARD W. (DECEASED), US
[71] ORAL DIAGNOSTIX, LLC, US
[85] 2019-12-10
[86] 2018-06-21 (PCT/US2018/038788)
[87] (WO2018/237162)
[30] US (62/524,196) 2017-06-23

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[13] A1
[51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/04 (2006.01) A01J 9/04 (2006.01)**
[25] EN
[54] **MILKING SYSTEM**
[54] **SYSTEME DE TRAITE**
[72] VAN DE MEERENDONK, ROBERTUS CAROLUS MARIA, NL
[71] LELY PATENT N.V., NL
[85] 2019-12-10
[86] 2018-06-14 (PCT/NL2018/050391)
[87] (WO2019/004820)
[30] NL (2019130) 2017-06-27

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[13] A1
[51] **Int.Cl. A23L 27/00 (2016.01) A23L 23/10 (2016.01) A23P 10/35 (2016.01)**
[25] EN
[54] **PROCESS FOR MAKING A BOUILLON TABLET OR BOUILLON CUBE**
[54] **PROCEDE DE FABRICATION D'UN COMPRIME DE BOUILLON OU D'UN CUBE DE BOUILLON**
[72] BOBE, ULRICH, DE
[72] BOZON, ANNABEL, GB
[72] KEHLENBECK, VOLKER, DE
[72] PERDANA, JIMMY, DE
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2019-12-10
[86] 2018-06-21 (PCT/EP2018/066582)
[87] (WO2019/002088)
[30] EP (17178730.2) 2017-06-29

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[13] A1
[51] **Int.Cl. C09K 8/46 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **DETECTION OF LOCATION OF CEMENT**
[54] **DETECTION DE LA LOCALISATION DE CIMENT**
[72] PEARL, WILLIAM CECIL, JR., US
[72] MAIDA, JOHN L., US
[72] STARK, DANIEL JOSHUA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-10
[86] 2017-09-27 (PCT/US2017/053769)
[87] (WO2019/066812)

[21] **3,066,888**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **INJECTOR, INTRAOCULAR LENS SYSTEM, AND RELATED METHODS**
[54] **INJECTEUR, SYSTEME DE LENTILLE INTRAOCULAIRE ET PROCEDES ASSOCIES**
[72] ZACHER, RUDOLPH F., US
[72] SUSSMAN, GLENN, US
[72] SAFABASH, JASON F., US
[71] ALCON INC., CH
[85] 2019-12-10
[86] 2018-06-26 (PCT/US2018/039586)
[87] (WO2019/005859)
[30] US (62/525,317) 2017-06-27
[30] US (62/534,988) 2017-07-20
[30] US (16/017,369) 2018-06-25

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[13] A1
[51] **Int.Cl. B63B 21/56 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING A LINE EXTENDING FROM A FLOATING VESSEL**
[54] **DISPOSITIF ET PROCEDE DE COUPE D'UNE LIGNE S'ETENDANT A PARTIR D'UN SUPPORT FLOTTANT**
[72] BIRKELAND, PETTER, NO
[71] SMART INSTALLATIONS AS, NO
[85] 2019-12-10
[86] 2018-06-14 (PCT/NO2018/050155)
[87] (WO2019/009731)
[30] NO (20171117) 2017-07-06

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[13] A1
[51] **Int.Cl. H01H 5/18 (2006.01) H01H 1/26 (2006.01) H01H 1/54 (2006.01) H01H 37/54 (2006.01)**
[25] EN
[54] **AN ELECTRICAL SWITCH AND A SWITCHING BLADE THEREFOR**
[54] **INTERRUPTEUR ELECTRIQUE ET LAME DE COMMUTATION ASSOCIEE**
[72] PALMER, ANDREW JOSEPH, NZ
[71] INTROL IP LIMITED, NZ
[85] 2019-12-10
[86] 2018-06-21 (PCT/NZ2018/050086)
[87] (WO2018/236226)
[30] NZ (732824) 2017-06-21
[30] NZ (735331) 2017-09-14

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[13] A1
[51] **Int.Cl. G02B 7/02 (2006.01) G02B 13/08 (2006.01) G02B 13/14 (2006.01)**
[25] EN
[54] **ANAMORPHIC REFRACTIVE OBJECTIVE LENS ASSEMBLY**
[54] **ENSEMBLE DE LENTILLES D'OBJECTIF ANAMORPHIQUES A REFRACTION**
[72] AVILA, MARCO, A., US
[72] NOETHEN, MARK, US
[72] HARTNETT, DOUGLAS, J., US
[71] RAYTHEON COMPANY, US
[85] 2019-12-10
[86] 2018-04-19 (PCT/US2018/028345)
[87] (WO2018/236461)
[30] US (15/626,965) 2017-06-19

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[13] A1
[51] **Int.Cl. C07K 1/18 (2006.01) C07K 1/14 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **CATION EXCHANGE CHROMATOGRAPHY WASH BUFFER**
[54] **TAMPON DE LAVAGE POUR CHROMATOGRAPHIE D'ECHANGE CATIONIQUE**
[72] WANG, LU, US
[72] KAO, ALBERT, US
[72] ZHANG, ZHAOQING, US
[72] JIN, MI, US
[72] ZHOU, TIANYI, US
[71] CEPHALON, INC., US
[85] 2019-12-10
[86] 2018-06-21 (PCT/US2018/038777)
[87] (WO2018/237159)
[30] US (62/523,038) 2017-06-21

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 14/005 (2006.01) C07K 16/30 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **HUMAN ENDOGENOUS RETROVIRAL PROTEIN**
[54] **PROTEINE RETROVIRALE ENDOGENE HUMAINE**
[72] HEIDMANN, ODILE, FR
[72] HEIDMANN, THIERRY, FR
[71] INSTITUT GUSTAVE ROUSSY, FR
[85] 2019-12-10
[86] 2018-06-22 (PCT/EP2018/066837)
[87] (WO2018/234576)
[30] EP (17305775.3) 2017-06-22

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[13] A1
[51] **Int.Cl. B01D 3/14 (2006.01)**
[25] EN
[54] **FRACTIONATION SYSTEM USING COMPACT CO-CURRENT CONTACTING SYSTEMS**
[54] **SYSTEME DE FRACTIONNEMENT UTILISANT DES SYSTEMES COMPACTS DE MISE EN CONTACT DE CO-COURANT**
[72] YEH, NORMAN K., US
[72] GRAVE, EDWARD J., US
[72] RAMKUMAR, SHWETHA, US
[72] JUAREZ, JUAN C., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-12-10
[86] 2018-04-27 (PCT/US2018/029793)
[87] (WO2018/231347)
[30] US (62/520,213) 2017-06-15

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[13] A1
[51] **Int.Cl. G06F 15/173 (2006.01)**
[25] EN
[54] **REAL-TIME CLOUD-BASED MESSAGING SYSTEM**
[54] **SYSTEME DE MESSAGERIE EN NUAGE EN TEMPS REEL**
[72] MENCHACA, LUIS GARCIA, US
[72] ROWE, BRADLEY MARKUS, US
[72] VALDES, ROBERTO, US
[72] DANTAS, BRUNO SPINELLI, US
[71] CITRIX SYSTEMS, INC., US
[85] 2019-12-10
[86] 2018-05-31 (PCT/US2018/035402)
[87] (WO2018/231535)
[30] US (62/519,809) 2017-06-14
[30] US (15/725,897) 2017-10-05

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[13] A1
[51] **Int.Cl. H04L 27/36 (2006.01) H04B 10/532 (2013.01) H04B 7/0408 (2017.01) H04B 7/10 (2017.01) H04J 14/06 (2006.01) H04L 27/26 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR MULTIPLEXING SCHEMES FOR MILLIMETER WAVE DOWNLINK SINGLE CARRIER WAVEFORMS**
[54] **TECHNIQUES ET APPAREILS ASSOCIES A DES SCHEMAS DE MULTIPLEXAGE DE FORMES D'ONDE DE PORTEUSE UNIQUE DE LIAISON DESCENDANTE A ONDES MILLIMETRIQUES**
[72] LEI, JING, US
[72] SUN, JING, US
[72] KADOUS, TAMER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-10
[86] 2018-07-10 (PCT/US2018/041417)
[87] (WO2019/014204)
[30] US (62/531,799) 2017-07-12

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[13] A1
[51] **Int.Cl. H04W 76/18 (2018.01)**
[25] EN
[54] **PARAMETER ADJUSTMENT FOR RADIO LINK FAILURE (RLF) PROCEDURE ENHANCED BY APERIODIC BEAM FAILURE RECOVERY (BFR) TRIGGERS**
[54] **AJUSTEMENT DE PARAMETRE POUR PROCEDURE DE DEFAILLANCE DE LIAISON RADIO (RLF) AMELIOREE PAR DES DECLENCHEURS DE REPRISE APRES DEFAILLANCE DE FAISCEAU (BFR) APERIODIQUES**
[72] CHAKRABORTY, KAUSHIK, US
[72] LUO, TAO, US
[72] NAM, WOOSEOK, US
[72] NAGARAJA, SUMEETH, US
[72] AKKARAKARAN, SONY, US
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] WANG, XIAO FENG, US
[72] CHEN, SHENGBO, US
[72] MONTOJO, JUAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-10
[86] 2018-07-20 (PCT/US2018/043163)
[87] (WO2019/023075)
[30] US (16/040,178) 2018-07-19
[30] US (62/536,459) 2017-07-24

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[13] A1
[51] **Int.Cl. B01D 21/01 (2006.01) B01D 21/00 (2006.01) B01D 21/08 (2006.01) B01D 21/24 (2006.01) B03D 3/06 (2006.01) C02F 1/52 (2006.01)**
[25] FR
[54] **INSTALLATION POUR LE TRAITEMENT DES EAUX PAR FLOCULATION LESTEE ET DECANTATION INTEGREES ET PROCEDE CORRESPONDANT**
[54] **WATER TREATMENT PLANT HAVING INTEGRATED BALLASTED FLOCCULATION AND DECANTATION, AND A CORRESPONDING METHOD**
[72] GAID, ABDELKADER, FR
[72] PAILLARD, HERVE, FR
[72] SAUVIGNET, PHILIPPE, FR
[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
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[54] **METHOD AND STATE MACHINE SYSTEM FOR DETECTING AN OPERATION STATUS FOR A SENSOR**
[54] **PROCEDE ET SYSTEME DE MACHINE D'ETAT POUR DETECTER UN ETAT DE FONCTIONNEMENT POUR UN CAPTEUR**
[72] RUECKERT, FRANK, DE
[72] WEILBACH, JULIANE, DE
[72] NUERNBERG, FRANK-THOMAS, DE
[71] F. HOFFMAN-LA ROCHE AG, CH
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[54] **MATERIAUX BIOCOMPATIBLES**
[72] DOVE, ANDREW, GB
[72] WEEMS, ANDREW, GB
[71] THE UNIVERSITY OF WARWICK, GB
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[86] 2018-06-04 (PCT/GB2018/051521)
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[54] **SOLENOID VALVE WITH AN INTEGRATED CHECK VALVE FUNCTIONALITY FOR AN AIR BRAKING SYSTEM OF A HEAVY VEHICLE**
[54] **ELECTROVANNE AVEC UNE FONCTIONNALITE INTEGREE DE CLAPET ANTIRETOUR POUR UN SYSTEME DE FREINAGE PNEUMATIQUE D'UN VEHICULE LOURD**
[72] HUTCHINS, CHRISTOPER H., US
[72] HOWELL, DAVID W., US
[72] HO, THANH, US
[72] PEABODY, TARAH L., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2019-12-10
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[54] **BROMHEXINE FOR THE TREATMENT OF PAIN**
[54] **BROMHEXINE POUR LE TRAITEMENT DE LA DOULEUR**
[72] KERN, KAI-UWE, DE
[71] KERN, KAI-UWE, DE
[85] 2019-12-11
[86] 2018-06-13 (PCT/EP2018/065646)
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[25] EN
[54] **METHOD FOR DETERMINING THE SUSCEPTIBILITY OF A PATIENT SUFFERING FROM PROLIFERATIVE DISEASE TO TREATMENT USING AN AGENT WHICH TARGETS A COMPONENT OF THE PD1/PD-L1 PATHWAY**
[54] **PROCEDE POUR DETERMINER LA SENSIBILITE D'UN PATIENT ATTEINT D'UNE MALADIE PROLIFERATIVE A UN TRAITEMENT UTILISANT UN AGENT QUI CIBLE UN COMPOSANT DE LA VOIE PD1/PD-L1**
[72] LODDO, MARCO, GB
[72] WILLIAMS, GARETH, GB
[72] SNELSON, KEEDA, GB
[71] ONCOLOGICA UK LTD, GB
[85] 2019-12-10
[86] 2018-06-13 (PCT/GB2018/051624)
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[54] **ACTIVE TETHERS FOR CONTROLLING UAV FLIGHT VOLUMES, AND ASSOCIATED METHODS AND SYSTEMS**
[54] **CABLES D'ATTACHE ACTIFS PERMETTANT DE COMMANDER DES VOLUMES DE VOL D'UAV ET PROCEDES ET SYSTEMES ASSOCIES**
[72] SCHUETT, NATHAN, US
[72] HAMMOND, ASA, US
[71] PRENAV, INC., US
[85] 2019-12-10
[86] 2018-06-12 (PCT/US2018/037124)
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[54] **REDUCTION OF ACRYLAMIDE FORMATION**
[54] **REDUCTION DE LA FORMATION D'ACRYLAMIDE**
[72] BAARDSETH, PERNILLE, NO
[72] BLOM, HANS, NO
[72] ENERSEN, GRETHE, NO
[72] SKREDE, GRETE, NO
[72] SLINDE, ERIK, NO
[72] SUNDT, THEA W, NO
[71] ZERACRYL AS, NO
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[86] 2018-06-19 (PCT/GB2018/051702)
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[54] **SUBSTITUTED BRIDGED DIAZEPANE DERIVATIVES AND USE THEREOF AS TASK-1 AND TASK-3 INHIBITORS**
[54] **DERIVES DE DIAZEPANE PONTES SUBSTITUES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE TASK-1 ET DE TASK-3**
[72] DELBECK, MARTINA, DE
[72] HAHN, MICHAEL, DE
[72] MULLER, THOMAS, DE
[72] LUSTIG, KLEMENS, DE
[72] MOSIG, JOHANNA, DE
[72] COLLINS, KARL, DE
[72] NICOLAI, JANINE, DE
[72] BECK-BROICHSITTER, MORITZ, DE
[72] ALBUS, UDO, DE
[72] GEHRING, DORIS, DE
[72] ROSENSTEIN, BJORN, DE
[72] DANG, HONGKAI, CN
[72] DUAN, DEHE, CN
[72] YANG, JIANFEI, CN
[72] CHEN, DENGHUI, CN
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER SCHERING PHARMA AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR ODD-EXPONENT QUADRATURE AMPLITUDE MODULATION**
[54] **TECHNIQUES ET APPAREILS DE MODULATION D'AMPLITUDE EN QUADRATURE A EXPOSANT IMPAIR**
[72] CHAKRABORTY, TUHIN SUBHRA, US
[72] GORE, ASHUTOSH DEEPAK, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-10
[86] 2018-05-21 (PCT/US2018/033651)
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[54] **MULTIVALENT CONJUGATE VACCINES WITH BIVALENT OR MULTIVALENT CONJUGATE POLYSACCHARIDES THAT PROVIDE IMPROVED IMMUNOGENICITY AND AVIDITY**
[54] **VACCINS CONJUGUES MULTIVALENTS AVEC DES POLYSACCHARIDES CONJUGUES BIVALENTS OU MULTIVALENTS QUI CONFERENT UNE IMMUNOGENICITE ET UNE AVIDITE AMELIOREES**
[72] KAPRE, SUBHASH V., US
[72] DATTA, ANUP K., US
[71] INVENTPRISE, LLC, US
[85] 2019-12-10
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[54] **INTEGRATED ACCESS SYSTEM, CONFIGURATION METHOD AND BASEBAND UNIT**
[54] **SYSTEME D'ACCES INTEGRE, PROCEDE DE CONFIGURATION ET UNITE DE TRAITEMENT DE BANDE DE BASE**
[72] FU, WEIXIANG, CN
[72] WU, XINGGUO, CN
[72] MO, LIGUANG, CN
[72] ZHANG, QIAOMING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **SYSTEM, METHOD, AND COMPOSITION FOR FRACTURING A SUBTERRANEAN FORMATION**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR FRACTURATION D'UNE FORMATION SOUTERRAINE**
[72] COOK, ROBERT LANCE, US
[71] METIS ENERGY, LLC, US
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[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **MODULAR SYSTEM FOR SECURE AND CONTROLLED ARRANGEMENT OF OPTICAL FIBRES AND COMPONENTS OF AN OPTICAL SYSTEM**
[54] **SYSTEME MODULAIRE DESTINE A UN AGENCEMENT SECURISE ET COMMANDE DE FIBRES OPTIQUES ET DE COMPOSANTS D'UN SYSTEME OPTIQUE**
[72] RAISIN, PHILIPPE RICHARD, CH
[72] BACHER, CHRISTOPH, CH
[72] LUDER SCHAIBLE, ANDRES, CH
[72] RYSER, MANUEL ALAIN, CH
[72] JENK, ADRIAN, CH
[71] UNIVERSITAT BERN, CH
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR SUBSTANCE USE DISORDER VACCINE FORMULATIONS AND USES THEREOF**
[54] **METHODES ET COMPOSITIONS DESTINEES A DES FORMULATIONS VACCINALES CONTRE DES TROUBLES LIES A UNE SUBSTANCE, ET LEURS UTILISATIONS**
[72] JANDA, KIM, US
[72] ON HO, SAM, US
[72] FUJII, GARY, US
[71] MOLECULAR EXPRESS, INC., US
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[86] 2018-06-11 (PCT/US2018/036904)
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[54] **PROCEDE DE COMMANDE DE PUISSANCE POUR LIAISON ET PRODUIT ASSOCIE**
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
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[25] EN
[54] **CORN ELITE EVENT MZIR098**
[54] **EVENEMENT ELITE DE MAIS MZIR098**
[72] NOE, ANDREW, US
[72] CONVILLE, JARED, US
[72] GU, WEINING, US
[72] JIANG, YAPING, US
[72] CARLIN, RYAN WILLIAM, US
[72] YU, WENJIN, US
[72] MITTENDORF, VOLKER, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/00 (2006.01) C07K 16/30 (2006.01)**
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[54] **ANTICORPS ANTI-IL1RAP ET CONJUGUES ANTICORPS-MEDICAMENT**
[72] GU, TINGLEI, US
[72] LONNING, SCOTT MICHAEL, US
[72] BEAUDET, JASON G., US
[72] BEAUSOLEIL, SEAN A., US
[72] PEDERSON, NELS ERIC, US
[72] MULHERN, DANIEL, US
[71] BLUEFIN BIOMEDICINE, INC., US
[85] 2019-12-10
[86] 2018-06-12 (PCT/US2018/037101)
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[51] **Int.Cl. H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] CHEN, WENHONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
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[51] **Int.Cl. C07K 16/32 (2006.01) A61K 47/68 (2017.01)**
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[54] **ENGINEERED ANTIBODY COMPOUNDS AND CONJUGATES THEREOF**
[54] **COMPOSES D'ANTICORPS MODIFIES ET CONJUGUES DE CEUX-CI**
[72] BACICA, MICHAEL JAMES, US
[72] FENG, YIQING, US
[72] LEUNG, DONMIENNE DOEN MUN, US
[72] LINNIK, MATTHEW D., US
[72] MEZO, ADAM ROBERT, US
[72] PARKER, JAMES THOMAS, US
[72] TRIVEDI, PURVA VIVEK, US
[72] VALENZUELA, FRANCISCO ALCIDES, US
[72] XU, JIANGHUAI, US
[71] ELI LILLY AND COMPANY, US
[85] 2019-12-10
[86] 2018-06-14 (PCT/US2018/037495)
[87] (WO2018/232088)
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[51] **Int.Cl. H04W 72/04 (2009.01) H04B 7/26 (2006.01)**
[25] EN
[54] **MONITORING METHOD AND TERMINAL APPARATUS IN INTERNET-OF-VEHICLES SYSTEM**
[54] **PROCEDE ET APPAREIL TERMINAL DE SURVEILLANCE DANS UN SYSTEME DE L'INTERNET DES VEHICULES**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61K 31/522 (2006.01)**
[25] EN
[54] **NOVEL SUBSTITUTED XANTHINE DERIVATIVES**
[54] **NOUVEAUX DERIVES DE XANTHINE SUBSTITUES**
[72] GERLACH, KAI, DE
[72] EICKMAIER, CHRISTIAN, DE
[72] SAUER, ACHIM, DE
[72] JUST, STEFAN, DE
[72] CHENARD, BERTRAND L., US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[71] HYDRA BIOSCIENCES, LLC, US
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[30] EP (17180721.7) 2017-07-11

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD, DEVICE, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSMISSION D'INFORMATIONS**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-09-07 (PCT/CN2017/100902)
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE SCHEDULING METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE D'ORDONNANCEMENT DE RESSOURCES, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-08-04 (PCT/CN2017/096118)
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[51] **Int.Cl. G06Q 10/02 (2012.01) G08G 1/14 (2006.01)**
[25] EN
[54] **PARKING INVENTORY AND RESERVATION MANAGEMENT SYSTEM FOR FLEXIBLE PARKING SUBSCRIPTIONS**
[54] **SYSTEME DE GESTION D'INVENTAIRE ET DE RESERVATION DE STATIONNEMENT POUR ABONNEMENTS DE STATIONNEMENT FLEXIBLES**
[72] BAER, LAURENCE, US
[72] EONE, JACQUES, US
[71] BAER, LAURENCE, US
[71] EONE, JACQUES, US
[85] 2019-12-10
[86] 2018-06-14 (PCT/US2018/037565)
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[30] US (15/634,730) 2017-06-27

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[51] **Int.Cl. F03D 80/40 (2016.01) F03D 17/00 (2016.01) F03D 80/60 (2016.01)**
[25] EN
[54] **ELECTRICAL CONTACT FAULT DIAGNOSIS**
[54] **DIAGNOSTIC DE DEFAUT DE CONTACT ELECTRIQUE**
[72] WOOD, ARRAN, GB
[72] BUGGY, STEPHEN, GB
[72] BENGTSON, JOHN, DK
[71] VESTAS WIND SYSTEMS A/S, DK
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[30] DK (PA 2017 70534) 2017-06-30

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[51] **Int.Cl. H04W 16/10 (2009.01)**
[25] EN
[54] **METHOD, DEVICE, STORAGE MEDIUM, AND SYSTEM FOR DETERMINING TIME-DOMAIN RESOURCE**
[54] **PROCEDE, DISPOSITIF, SUPPORT DE STOCKAGE ET SYSTEME POUR DETERMINER UNE RESSOURCE DU DOMAINE TEMPOREL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-09-14 (PCT/CN2017/101786)
[87] (WO2019/051731)

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[13] A1
[51] **Int.Cl. B24C 7/00 (2006.01)**
[25] EN
[54] **ABRASIVE BLAST SYSTEM**
[54] **SYSTEME DE JET ABRASIF**
[72] LIND, ROBERT J., US
[72] TURNER, JOHN W., US
[71] GRACO MINNESOTA INC., US
[85] 2019-12-10
[86] 2018-06-14 (PCT/US2018/037578)
[87] (WO2018/232141)
[30] US (62/519,235) 2017-06-14

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 4/00 (2018.01)**
[25] EN
[54] **METHOD FOR RESOURCE ALLOCATION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE D'ATTRIBUTION DE RESSOURCES, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-09-15 (PCT/CN2017/101919)
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[51] **Int.Cl. G16H 50/30 (2018.01) C12Q 1/6886 (2018.01) G16H 50/50 (2018.01) G16B 5/00 (2019.01)**
[25] EN
[54] **PROGNOSTIC INDICATORS OF POOR OUTCOMES IN PRAEGNANT METASTATIC BREAST CANCER COHORT**
[54] **INDICATEURS DE PRONOSTIC DE RESULTATS MEDIOCRES CHEZ UNE COHORTE DE FEMMES ENCEINTES ATTEINTES D'UN CANCER DU SEIN METASTATIQUE**
[72] SZETO, CHRISTOPHER, US
[72] BENZ, STEPHEN CHARLES, US
[72] NGUYEN, ANDREW, US
[71] NANTOMICS, LLC, US
[85] 2019-12-10
[86] 2018-06-15 (PCT/US2018/037876)
[87] (WO2018/232320)
[30] US (62/521,267) 2017-06-16
[30] US (62/594,345) 2017-12-04

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 39/39 (2006.01) C07K 14/465 (2006.01) C07K 14/705 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **NOVEL NUCLEIC ACID MOLECULES**
[54] **NOUVELLES MOLECULES D'ACIDE NUCLEIQUE**
[72] FOTIN-MLECZEK, MARIOLA, DE
[72] FIEDLER, KATJA, DE
[72] KOWALCZYK, ALEKSANDRA, DE
[72] HEIDENREICH, REGINA, DE
[71] CUREVAC AG, DE
[85] 2019-12-11
[86] 2018-07-03 (PCT/EP2018/068015)
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[51] **Int.Cl. H04W 28/18 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING SIGNAL, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE SIGNAL, DISPOSITIF DE RESEAU, ET DISPOSITIF TERMINAL**
[72] SHI, ZHIHUA, CN
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[51] **Int.Cl. F23D 14/70 (2006.01)**
[25] EN
[54] **BAFFLE ASSEMBLY FOR MODIFYING TRANSITIONAL FLOW EFFECTS BETWEEN DIFFERENT CAVITIES**
[54] **ENSEMBLE DE DEFLECTEUR POUR MODIFIER DES EFFETS DE FLUX D'ECOULEMENT TRANSITIONNEL ENTRE DIFFERENTES CAVITES**
[72] MATHIS, STEVE, US
[72] VANDEGRIFT, CHRIS E., US
[72] SU, GUOGUANG, US
[71] SELAS HEAT TECHNOLOGY COMPANY LLC, US
[85] 2019-12-10
[86] 2018-06-19 (PCT/US2018/038285)
[87] (WO2018/236868)
[30] US (62/521,861) 2017-06-19

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE INDICATION METHOD, USER EQUIPMENT, NETWORK DEVICE AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE D'INDICATION DE RESSOURCE, EQUIPEMENT UTILISATEUR, DISPOSITIF DE RESEAU ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] SHEN, JIA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-11-16 (PCT/CN2017/111415)
[87] (WO2019/095225)

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[13] A1
[51] **Int.Cl. B02C 4/08 (2006.01) B02C 4/30 (2006.01)**
[25] EN
[54] **CRUSHING TOOL AND METHOD FOR PRODUCING A CRUSHING TOOL**
[54] **OUTIL DE CONCASSAGE ET PROCEDE SERVANT A FABRIQUER UN OUTIL DE CONCASSAGE**
[72] IRMAK, BARIS, DE
[72] TIGGES, MARC, DE
[72] EVERMANN, DANIEL, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2019-12-11
[86] 2018-06-25 (PCT/EP2018/066884)
[87] (WO2019/002172)
[30] DE (10 2017 210 780.4) 2017-06-27

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[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/519 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS THAT INTERACT WITH THE RAS SUPERFAMILY FOR THE TREATMENT OF CANCERS, INFLAMMATORY DISEASES, RASOPATHIES, AND FIBROTIC DISEASE**
[54] **COMPOSES INTERAGISSANT AVEC LA SUPERFAMILLE RAS DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE CANCERS, DE MALADIES INFLAMMATOIRES, DE RASOPATHIES ET DE MALADIES FIBROTIQUES**
[72] HADARI, YARON R., US
[72] CARTA, LUCA, US
[72] SCHMERTZLER, MICHAEL, US
[72] WILLIAMS, THERESA M., US
[72] REYNOLDS, CHARLES H., US
[72] HUTCHESON, REBECCA, US
[71] SHY THERAPEUTICS LLC, US
[85] 2019-12-10
[86] 2018-06-20 (PCT/US2018/038613)
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[30] US (62/523,114) 2017-06-21

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[13] A1
[51] **Int.Cl. H04W 8/18 (2009.01) H04W 8/00 (2009.01)**
[25] EN
[54] **INTERNET OF THINGS SERVICES ARCHITECTURE**
[54] **ARCHITECTURE DE SERVICES DE L'INTERNET DES OBJETS**
[72] XU, RICHARD H., US
[72] YURCHENKO, VITALIY G., US
[72] JOSEPH, AJAY, US
[72] PELLEGRINI, RICHARD M., US
[71] IBASIS, INC., US
[85] 2019-12-10
[86] 2018-06-27 (PCT/US2018/039759)
[87] (WO2019/005970)
[30] US (15/634,692) 2017-06-27

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[13] A1
[51] **Int.Cl. G06F 17/27 (2006.01) G06F 16/9532 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR OBTAINING RECOMMENDATION INFORMATION, AND ELECTRONIC DEVICE**
[54] **PROCEDE ET APPAREIL POUR L'OBTENTION D'INFORMATIONS DE RECOMMANDATION, ET DISPOSITIF ELECTRONIQUE**
[72] TANG, BIAO, CN
[72] ZHANG, GONG, CN
[72] SU, JING, CN
[72] GUO, HAOJIE, CN
[72] QIN, YUQING, CN
[72] HOU, PEIXU, CN
[71] 10353744 CANADA LTD., CA
[85] 2019-12-11
[86] 2017-12-29 (PCT/CN2017/120045)
[87] (WO2019/019554)
[30] CN (201710618792.2) 2017-07-26

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[13] A1
[51] **Int.Cl. G01N 3/12 (2006.01) G01N 19/02 (2006.01)**
[25] EN
[54] **PIPE TESTING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ESSAI DE TUYAU**
[72] ROBERTS, PETER, GB
[72] WALKER, ALASTAIR, GB
[71] VERDERG PIPE TECHNOLOGY LIMITED, GB
[85] 2019-12-11
[86] 2018-06-19 (PCT/GB2018/051699)
[87] (WO2018/234782)
[30] GB (1709817.9) 2017-06-20

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[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) C07K 14/705 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED ASGR1 LOCUS**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS ASGR1 HUMANISE**
[72] MUJICA, ALEXANDER O., US
[72] GUSAROVA, VIKTORIA, US
[72] WANG, CHENG, US
[72] KYRATSOUS, CHRISTOS, US
[72] POTOCKY, TERRA, US
[72] CYGNAR, KATHERINE, US
[72] MARTIN, JOEL, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-10
[86] 2018-06-27 (PCT/US2018/039864)
[87] (WO2019/006034)
[30] US (62/525,524) 2017-06-27

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[13] A1
[51] **Int.Cl. C07K 14/015 (2006.01) A61K 35/76 (2015.01) A61K 48/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/35 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **TROPISM-MODIFIED RECOMBINANT VIRAL VECTORS AND USES THEREOF FOR THE TARGETED INTRODUCTION OF GENETIC MATERIAL INTO HUMAN CELLS**
[54] **VECTEURS VIRAUX RECOMBINES A TROPISME MODIFIE ET UTILISATIONS ASSOCIEES POUR L'INTRODUCTION CIBLEE DE MATERIEL GENETIQUE DANS DES CELLULES HUMAINES**
[72] KYRATSOUS, CHRISTOS, US
[72] MURPHY, ANDREW J., US
[72] WANG, CHENG, US
[72] SABIN, LEAH, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-10
[86] 2018-06-27 (PCT/US2018/039874)
[87] (WO2019/006043)
[30] US (62/525,704) 2017-06-27

[21] **3,066,948**
[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **3-HYDROXYBUTYRATE COMPOUNDS FOR USE IN REDUCING LIVER FAT**
[54] **COMPOSES 3-HYDROXYBUTYRATE DESTINES A ETRE UTILISES DANS LA REDUCTION DE LA GRAISSE HEPATIQUE**
[72] CLARKE, KIERAN, GB
[71] TDELTAS LIMITED, GB
[85] 2019-12-11
[86] 2018-06-22 (PCT/GB2018/051752)
[87] (WO2019/002828)
[30] GB (1710229.4) 2017-06-27

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[13] A1
[51] **Int.Cl. C07K 14/315 (2006.01) A61K 48/00 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **TROPISM-MODIFIED RECOMBINANT VIRAL PARTICLES AND USES THEREOF FOR THE TARGETED INTRODUCTION OF GENETIC MATERIAL INTO HUMAN CELLS**
[54] **PARTICULES VIRALES RECOMBINEES A TROPISME MODIFIE ET UTILISATIONS ASSOCIEES POUR L'INTRODUCTION CIBLEE DE MATERIEL GENETIQUE DANS DES CELLULES HUMAINES**
[72] SABIN, LEAH, US
[72] SCHOENHERR, CHRISTOPHER, US
[72] ECONOMIDES, ARIS N., US
[72] KYRATSOUS, CHRISTOS, US
[72] MURPHY, ANDREW J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-10
[86] 2018-06-27 (PCT/US2018/039878)
[87] (WO2019/006046)
[30] US (62/525,708) 2017-06-27

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/48 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61K 47/42 (2017.01)**
[25] EN
[54] **DISSOLVING FILM FOR DELIVERY OF A CLOSTRIDIAL DERIVATIVE**
[54] **FILM SOLUBLE POUR L'ADMINISTRATION D'UN DERIVE CLOSTRIDIAL**
[72] BRIN, MITCHELL F., US
[72] HUGHES, PATRICK M., US
[72] LU, GUANG WEI, US
[71] ALLERGAN, INC., US
[85] 2019-12-10
[86] 2018-06-28 (PCT/US2018/039964)
[87] (WO2019/006098)
[30] US (62/527,212) 2017-06-30

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR CD33 AND METHODS OF THEIR USE**
[54] **ANTICORPS MONOCLONAUX HUMAINS SPECIFIQUES DE CD33 ET LEURS PROCEDES D'UTILISATION**
[72] DIMITROV, DIMITER S., US
[72] CHEN, WEIZAO, US
[72] ZHU, ZHONGYU, US
[72] ORENTAS, RIMAS J., US
[72] DROPULIC, BORO, US
[72] SCHNEIDER, DINA, US
[71] LENTIGEN TECHNOLOGY, INC., US
[71] THE U.S.A., AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND MAN SERVICES, US
[85] 2019-12-10
[86] 2018-06-29 (PCT/US2018/040257)
[87] (WO2019/006280)
[30] US (62/527,165) 2017-06-30

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[13] A1
[51] **Int.Cl. E01F 9/50 (2016.01) E01F 9/529 (2016.01)**
[25] EN
[54] **DIRECTIONAL SURFACE MARKING SAFETY AND GUIDANCE DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES DE SECURITE ET DE GUIDAGE DE MARQUAGE DE SURFACE DIRECTIONNEL**
[72] DRISKELL, GREGORY, US
[72] GREEN, MICHAEL, US
[71] DRISKELL HOLDINGS LLC, US
[85] 2019-12-11
[86] 2018-08-10 (PCT/IB2018/056045)
[87] (WO2018/229741)
[30] US (62/518,112) 2017-06-12
[30] US (15/871,962) 2018-01-15

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[13] A1
[51] **Int.Cl. C12Q 1/18 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTION OF ANTIBIOTIC RESISTANCE**
[54] **METHODES ET SYSTEMES DE DETECTION DE LA RESISTANCE AUX ANTIBIOTIQUES**
[72] NGUYEN, MINH MINDY BAO, US
[72] ANDERSON, DWIGHT L., US
[72] GIL, JOSE S., US
[72] ERICKSON, STEPHEN E., US
[72] BROWN, MATTHEW J., US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2019-12-10
[86] 2018-07-03 (PCT/US2018/040710)
[87] (WO2019/010177)
[30] US (62/529,689) 2017-07-07

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[13] A1
[51] **Int.Cl. H04N 7/173 (2011.01) H04L 12/08 (2006.01) H04N 7/08 (2006.01) H04N 7/10 (2006.01) H04N 7/16 (2011.01) H04N 7/18 (2006.01)**
[25] EN
[54] **CABLE TELEVISION ENTRY ADAPTER**
[54] **ADAPTATEUR D'ENTREE DE TELEVISION PAR CABLE**
[72] ALKAN, ERDOGAN, US
[72] MARTINEAU, ANDRE, US
[71] PPC BROADBAND, INC., US
[85] 2019-12-10
[86] 2018-07-06 (PCT/US2018/041006)
[87] (WO2019/010364)
[30] US (62/529,009) 2017-07-06

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[51] **Int.Cl. H04L 27/36 (2006.01) H04B 10/532 (2013.01) H04B 7/0408 (2017.01) H04B 7/10 (2017.01) H04J 14/06 (2006.01) H04L 27/26 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR MULTIPLEXING SCHEMES FOR MILLIMETER WAVE DOWNLINK SINGLE CARRIER WAVEFORMS**
[54] **TECHNIQUES ET APPAREILS POUR DES SCHEMAS DE MULTIPLEXAGE POUR FORMES D'ONDE DE PORTEUSE UNIQUE DE LIAISON DESCENDANTE A ONDES MILLIMETRIQUES**
[72] LEI, JING, US
[72] SUN, JING, US
[72] KADOUS, TAMER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-10
[86] 2018-07-10 (PCT/US2018/041413)
[87] (WO2019/014200)
[30] US (62/531,799) 2017-07-12
[30] US (16/030,319) 2018-07-09

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[13] A1
[51] **Int.Cl. C05G 3/00 (2006.01) C05G 3/02 (2006.01) C05G 3/04 (2006.01) C05G 3/08 (2006.01)**
[25] EN
[54] **MIXTURES COMPRISING AT LEAST TWO DIFFERENT NITRIFICATION INHIBITORS SELECTED FROM 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIC ACID (DMPSA), 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG) AND OTHER COMPOUNDS, ESPECIALLY A MIXTURE COMPRISING DMPSA AND DMP/DMPP OR A MIXTURE COMPRISING DMPSA AND DCD**
[54] **MELANGES COMPRENANT AU MOINS DEUX INHIBITEURS DE NITRIFICATION DIFFERENTS CHOISIS PARMI L'ACIDE 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIQUE (DMPSA), LE GLYCOLATE DE 3,4-DIMETHYLPYRAZOLIUM (DMPG) ET D'AUTRES COMPOSES, EN PARTICULIER UN MELANGE COMPRENANT DU DMPSA ET DU DMP/DMPP OU UN MELANGE COMPRENANT DU DMPSA ET DU DCD**
[72] NAVE, BARBARA, DE
[72] PASDA, GREGOR, DE
[72] WISSEMEIER, ALEXANDER, DE
[72] STAAL, MAARTEN, DE
[72] SCHNEIDER, KARL-HEINRICH, DE
[72] SCHMID, MARKUS, DE
[72] ZERULLA, WOLFRAM, DE
[72] LOHE, DANIELLA, DE
[72] ZHU, SASCHA SHUXIA, DE
[72] WEIGELT, WOLFGANG, DE
[72] DAUMANN, MANUEL, DE
[71] BASF SE, DE
[85] 2019-12-11
[86] 2018-07-05 (PCT/IB2018/054953)
[87] (WO2019/012383)
[30] EP (17180504.7) 2017-07-10
[30] EP (17198973.4) 2017-10-27
[30] EP (17205830.7) 2017-12-07

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[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **A GAS-FILTERING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FILTRATION DE GAZ**
[72] ARCHETTI, MAURIZIO, CH
[72] GALANTI OCCULTI LEANDRO, IT
[71] ECOSPRAY TECHNOLOGIES S.R.L., IT
[85] 2019-12-11
[86] 2018-07-03 (PCT/IB2018/054919)
[87] (WO2019/008511)
[30] IT (102017000074132) 2017-07-03

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[13] A1
[51] **Int.Cl. H04N 19/52 (2014.01)**
[25] EN
[54] **SELECTION AND SIGNALING OF MOTION VECTOR (MV) PRECISIONS**
[54] **SELECTION ET SIGNALEMENT DE PRECISIONS DE VECTEURS DE MOUVEMENT (MV)**
[72] LIU, SHAN, US
[72] WANG, WEI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-11
[86] 2018-06-07 (PCT/CN2018/090181)
[87] (WO2018/228260)
[30] US (62/518,402) 2017-06-12
[30] US (15/982,865) 2018-05-17

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[13] A1
[51] **Int.Cl. E04G 7/30 (2006.01) E04G 1/15 (2006.01) E04G 5/14 (2006.01) E04G 7/32 (2006.01)**
[25] EN
[54] **MODIFIED LEDGER AND MODULAR SCAFFOLD SYSTEM WITH CONTINUOUS WORK SURFACE**
[54] **LONGERON MODIFIE ET SYSTEME D'ECHAFAUDAGE MODULAIRE A SURFACE DE TRAVAIL CONTINUE**
[72] ROGERS, PETER, CN
[71] AT-PAC CHINA BUSINESS TRUST, LU
[85] 2019-11-12
[86] 2018-05-08 (PCT/EP2018/061766)
[87] (WO2018/206525)
[30] US (62/503,604) 2017-05-09

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[13] A1
[51] **Int.Cl. C07D 491/10 (2006.01) A61K 31/438 (2006.01) A61P 35/00 (2006.01) C07D 491/20 (2006.01)**
[25] EN
[54] **MODULATORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **MODULATEURS D'INDOLAMINE 2,3-DIOXYGENASE**
[72] DE LA ROSA, MARTHA ALICIA, US
[72] DENG, HONGFENG, US
[72] EVINDAR, GHOTAS, US
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[72] MILLER, JOHN FRANKLIN, US
[72] SAMANO, VICENTE, US
[72] WASHIO, YOSHIAKI, GB
[72] XIA, BING, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2019-12-11
[86] 2018-06-27 (PCT/IB2018/054767)
[87] (WO2019/003148)
[30] US (62/666,779) 2018-05-04
[30] US (62/525,892) 2017-06-28

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[13] A1
[51] **Int.Cl. H04W 28/24 (2009.01)**
[25] EN
[54] **METHOD, USER EQUIPMENT AND BASE STATION FOR DELIVERING DATA PACKETS**
[54] **PROCEDE, EQUIPEMENT UTILISATEUR ET STATION DE BASE PERMETTANT DE DISTRIBUER DES PAQUETS DE DONNEES**
[72] CHANG, NINGJUAN, CN
[72] LIU, RENMAO, CN
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2019-12-11
[86] 2018-06-11 (PCT/CN2018/090619)
[87] (WO2018/228326)
[30] CN (201710461611.X) 2017-06-16

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[13] A1
[51] **Int.Cl. B65D 47/08 (2006.01) B65D 47/32 (2006.01) B65D 49/04 (2006.01)**
[25] EN
[54] **A BOTTLE POURER**
[54] **BEC VERSEUR DE BOUTEILLE**
[72] LIMBREY, DOMINIC, GB
[71] POURA LTD, GB
[85] 2019-12-11
[86] 2018-04-13 (PCT/GB2018/050984)
[87] (WO2019/002805)
[30] GB (1710357.3) 2017-06-28

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[13] A1
[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/4545 (2006.01) A61P 35/00 (2006.01) C07D 211/06 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **MODULATORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **MODULATEURS D'INDOLAMINE 2,3-DIOXYGENASE**
[72] EVINDAR, GHOTAS, US
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[72] MILLER, JOHN FRANKLIN, US
[72] SAMANO, VICENTE, US
[72] SUWANDI, LITA, US
[72] TEMELKOFF, DAVID, US
[72] WASHIO, YOSHIAKI, GB
[72] XIA, BING, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2019-12-11
[86] 2018-06-27 (PCT/IB2018/054761)
[87] (WO2019/003142)
[30] US (62/525,912) 2017-06-28

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[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO INJECTION WELLS**
[54] **PERFECTIONNEMENTS APPORTES A DES PUITS D'INJECTION OU ASSOCIES A CEUX-CI**
[72] SANTARELLI, FREDERIC JOSEPH, NO
[71] GEOMEC ENGINEERING LIMITED, GB
[85] 2019-12-11
[86] 2018-06-21 (PCT/GB2018/051728)
[87] (WO2018/234806)
[30] GB (1709960.7) 2017-06-22

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[13] A1
[51] **Int.Cl. A61M 1/06 (2006.01)**
[25] EN
[54] **BREAST PUMP SYSTEM**
[54] **SYSTEME TIRE-LAIT**
[72] O'TOOLE, JONATHAN, GB
[72] ROLLO, ADAM, GB
[72] CARR, ANDREW, GB
[72] LEVY, BENJAMIN, GB
[72] COGGINS, JACK, GB
[72] ROSS, CLARE, GB
[72] POOLE, REBECCA, GB
[72] PESTANA, NESTOR, GB
[71] CHIARO TECHNOLOGY LIMITED, GB
[85] 2019-12-11
[86] 2018-06-15 (PCT/GB2018/051659)
[87] (WO2018/229504)
[30] GB (1709566.2) 2017-06-15
[30] GB (1709564.7) 2017-06-15
[30] GB (1709561.3) 2017-06-15
[30] GB (1809036.5) 2018-06-01

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07H 21/00 (2006.01) C12N 5/16 (2006.01) C12N 15/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODIES CAPABLE OF BINDING HLA-A2/TYRD IN AN HLA RESTRICTED MANNER AND USES THEREOF**
[54] **ANTICORPS CAPABLES DE SE LIER A HLA-A2/TYRD D'UNE MANIERE LIMITEE PAR HLA ET LEURS UTILISATIONS**
[72] JAKOBOVITS, AYA, US
[72] FOORD, ORIT, US
[72] SATPAYEV, DAULET KADYL, US
[72] PELED KAMAR, MIRA, IL
[72] DENKBERG, GALIT, IL
[72] REITER, YORAM, IL
[72] BEER, ILAN, IL
[72] SINIK, KEREN, IL
[72] TEBOUL (ELBAZ), YAEL, IL
[72] SHPERBER (SERY), YAEL, IL
[72] EREL SEGAL, REUT, IL
[72] OREN, RAVIT, IL
[72] ALISHEKEVITZ, DROR SHMUEL, IL
[71] ADICET BIO INC., US
[85] 2019-12-11
[86] 2017-06-14 (PCT/IB2017/053539)
[87] (WO2018/229530)

[21] **3,066,973**
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[51] **Int.Cl. C07D 213/74 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 285/08 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **MODULATORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **MODULATEURS D'INDOLAMINE 2,3-DIOXYGENASE**
[72] DE LA ROSA, MARTHA ALICIA, US
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2019-12-11
[86] 2018-06-27 (PCT/IB2018/054762)
[87] (WO2019/003143)
[30] US (62/525,794) 2017-06-28
[30] US (62/666,772) 2018-05-04

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[51] **Int.Cl. C09D 15/00 (2006.01) B27K 5/00 (2006.01) C08F 20/18 (2006.01) C08F 220/18 (2006.01) C09K 5/20 (2006.01)**
[25] EN
[54] **POLYMERISABLE COMPOSITION COMPRISING TEMPO COMPOUND**
[54] **COMPOSITION POLYMERISABLE COMPRENANT UN COMPOSE DE TEMPO**
[72] GIBSON, ROBIN RIYADH, GB
[72] TINDALE, NEIL, GB
[72] STENSON, PHILIP ANDREW, GB
[71] LUCITE INTERNATIONAL UK LIMITED, GB
[85] 2019-12-11
[86] 2018-06-18 (PCT/GB2018/051687)
[87] (WO2018/234774)
[30] GB (1709764.3) 2017-06-19

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[13] A1
[51] **Int.Cl. G01N 3/12 (2006.01) F16L 1/12 (2006.01)**
[25] EN
[54] **METHOD OF DESIGNING A PIPE JOINT FOR USE IN A SUBSEA PIPELINE**
[54] **PROCEDE DE CONCEPTION D'UN JOINT DE TUYAU POUR UTILISATION DANS UN PIPELINE SOUS-MARIN**
[72] ROBERTS, PETER, GB
[72] WALKER, ALASTAIR, GB
[72] HEFFERNAN, JANET, GB
[71] VERDERG PIPE TECHNOLOGY LIMITED, GB
[85] 2019-12-11
[86] 2018-06-19 (PCT/GB2018/051695)
[87] (WO2018/234779)
[30] GB (1709816.1) 2017-06-20

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[51] **Int.Cl. A47L 5/24 (2006.01) A46B 13/02 (2006.01) A46B 13/08 (2006.01) A47L 9/06 (2006.01)**
[25] EN
[54] **HANDHELD CORDLESS DUST REMOVAL APPLIANCE**
[54] **APPAREIL PORTATIF DE DEPOUSSIERAGE SANS FIL**
[72] TOLCHARD, CODY C., CA
[71] TOLCHARD, CODY C., CA
[85] 2019-12-11
[86] 2018-02-12 (PCT/IB2018/000119)
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[25] EN
[54] **CHEMICAL COMPOUNDS AS H-PGDS INHIBITORS**
[54] **COMPOSES CHIMIQUES UTILISES EN TANT QU'INHIBITEURS DE H-PGDS**
[72] DEATON, DAVE NORMAN, US
[72] SHEARER, BARRY GEORGE, US
[72] YOUNGMAN, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2019-12-11
[86] 2018-06-11 (PCT/IB2018/054206)
[87] (WO2018/229629)
[30] US (62/522,869) 2017-06-21
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[25] EN
[54] **BLOOD SERUM FOR USE IN THE TREATMENT OF NEURODEGENERATIVE OPHTHALMOLOGICAL PATHOLOGIES**
[54] **SERUM SANGUIN A UTILISER DANS LE TRAITEMENT DE PATHOLOGIES OPHTALMOLOGIQUES NEURODEGENERATIVES**
[72] CAMPOS, EMILIO C., IT
[72] VERSURA, PIERA, IT
[72] BUZZI, MARINA, IT
[72] BISTI, SILVIA, IT
[72] VELATI, CLAUDIO, IT
[71] ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA, IT
[71] AZIENDA OSPEDALIERO-UNIVERSITARIA POLICLINICO S. ORSOLA MALPIGHI-BOLOG, IT
[71] UNIVERSITA' DEGLI STUDI DELL'AQUILA, IT
[85] 2019-12-11
[86] 2018-06-15 (PCT/IB2018/054410)
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[51] **Int.Cl. A23P 10/25 (2016.01) B02C 13/13 (2006.01)**
[25] EN
[54] **DELUMPER AND METHOD OF DELUMPING EDIBLE MATERIAL**
[54] **DISPOSITIF DE DISSOCIATION ET PROCEDE DE DISSOCIATION DE MATIERE COMESTIBLE**
[72] GREEN, DANIEL R., US
[72] ENGSTROM, MICHAEL J., US
[72] GALE, DAVID, US
[71] GENERAL MILLS, INC., US
[85] 2019-12-11
[86] 2018-05-16 (PCT/US2018/032918)
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[30] US (15/657,335) 2017-07-24

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[51] **Int.Cl. H02J 7/34 (2006.01) G05B 19/00 (2006.01) G05F 1/613 (2006.01)**
[25] EN
[54] **FIELD DEVICE CHARGING POWER REGULATION**
[54] **REGULATION DE L'ENERGIE DE CHARGE D'UN PERIPHERIQUE SUR RESEAU**
[72] WIENHOLD, NICHOLAS AARON, US
[72] WYMAN, MATTHEW DAVID, US
[72] BRONCZYK, ANDREW JAMES, US
[71] ROSEMOUNT INC., US
[85] 2019-12-11
[86] 2018-04-12 (PCT/US2018/027219)
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[51] **Int.Cl. A61F 13/08 (2006.01) A61F 13/00 (2006.01) F03G 7/06 (2006.01)**
[25] EN
[54] **CONTRACTIBLE BAND FOR USE IN A WEARABLE GARMENT COMPRISING A SHAPE MEMORY MATERIAL PART**
[54] **BANDE CONTRACTILE DESTINEE A ETRE UTILISEE DANS UN VETEMENT POUVANT ETRE PORTE COMPRENANT UNE PARTIE DE MATERIAU A MEMOIRE DE FORME**
[72] ALVES DA COSTA GONCALVES, CARLOS DIOGO, PT
[72] FERREIRA SIMOES, RICARDO JOAO, PT
[72] TEIXEIRA DE BARROS FERREIRA DA SILVA, ALEXANDRE MANUEL, PT
[72] DE CARVALHO GOMES, JOAO MANUEL, PT
[71] CENTITVC- CENTRO DE NANOTECNOLOGIA E MATERIAIS TECNICOS, FUNCIONAIS E TELIGENTES, PT
[71] UNIVERSIDADE DO MINHO, PT
[71] IPCA - INSTITUTO POLITECNICO DO CAVADO E AVE, PT
[85] 2019-12-11
[86] 2018-06-11 (PCT/IB2018/054216)
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[30] EP (17175389.0) 2017-06-11
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[51] **Int.Cl. C05D 1/00 (2006.01)**
[25] EN
[54] **COMPACTED POLYHALITE AND POTASH MIXTURE AND A PROCESS FOR THE PRODUCTION THEREOF**
[54] **MELANGE COMPACTE DE POLYHALITE ET DE POTASSE ET SON PROCEDE DE PRODUCTION**
[72] SOCOLOVSKY, RUBEN, IL
[72] ABU RABEAH, KHALIL, IL
[72] ALHOWASHLA, AYOUB, IL
[72] LEVY, YACOV, IL
[72] GEINIK, NATALIA, IL
[72] MAVHUNGA, NIZBERT, GB
[72] COHEN, OFIR, IL
[71] ICL EUROPE COOPERATIEF U.A., NL
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[86] 2018-06-12 (PCT/IL2018/050639)
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[25] EN
[54] **DIHYDRO-PYRROLO-PYRIDINE DERIVATIVES**
[54] **DERIVES DE DIHYDRO-PYRROLO-PYRIDINE**
[72] BECK, ELIZABETH MARY, GB
[72] BRODNEY, MICHAEL AARON, US
[72] BROWN, MATTHEW FRANK, US
[72] BUTLER, CHRISTOPHER RYAN, US
[72] GILBERT, ADAM MATTHEW, US
[72] LACHAPELLE, ERIK ALPHIE, US
[72] MCALLISTER, LAURA ANN, US
[72] UCCELLO, DANIEL PAUL, US
[72] ZHANG, LEI, US
[71] PFIZER INC., US
[85] 2019-12-11
[86] 2018-06-14 (PCT/IB2018/054390)
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[51] **Int.Cl. A61K 31/357 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **LICOFLIGOZIN FOR THE TREATMENT OF NON-ALCOHOLIC STEATOHEPATITIS**
[54] **LICOFLIGOZIN POUR LE TRAITEMENT DE LA STEATOHEPATITE NON ALCOOLIQUE**
[72] KLICKSTEIN, LLOYD, US
[72] MEYERS, C. DANIEL, US
[72] UKOMADU, CHINWEIKE, US
[71] NOVARTIS AG, CH
[85] 2019-12-11
[86] 2018-06-20 (PCT/IB2018/054554)
[87] (WO2018/235020)
[30] US (62/522,735) 2017-06-21

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[13] A1
[51] **Int.Cl. G01D 5/32 (2006.01) G01K 11/32 (2006.01)**
[25] EN
[54] **SYSTEM FOR SIMULTANEOUS MULTI-POINT DYNAMIC PARAMETER MEASUREMENT IN DISTRIBUTED OPTICAL SENSING, AND METHODS THEREOF**
[54] **SYSTEME DE MESURE MULTIPOINT SIMULTANEE DE PARAMETRES DYNAMIQUES DANS UNE DETECTION OPTIQUE DISTRIBUEE, ET PROCEDES ASSOCIES**
[72] SRINIVASAN, BALAJI, IN
[72] VENKITESH, DEEPA, IN
[72] SOMEPALLI, BHARGAV, IN
[71] INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT MADRAS), IN
[85] 2019-12-11
[86] 2018-05-11 (PCT/IN2018/050295)
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[51] **Int.Cl. C05G 3/00 (2006.01) A01P 13/00 (2006.01) C05G 3/02 (2006.01) C05G 3/04 (2006.01) C05G 3/08 (2006.01)**
[25] EN
[54] **MIXTURES COMPRISING A HERBICIDE AND A NITRIFICATION INHIBITOR SUCH AS 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIC ACID (DMPSA) OR 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)**
[54] **MELANGES COMPRENANT UN HERBICIDE ET UN INHIBITEUR DE NITRIFICATION TEL QUE L'ACIDE 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIQUE (DMPSA) OU LE 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)**
[72] NAVE, BARBARA, DE
[72] PASDA, GREGOR, DE
[72] WISSEMEIER, ALEXANDER, DE
[72] STAAL, MAARTEN, DE
[72] SCHNEIDER, KARL-HEINRICH, DE
[72] SCHMID, MARKUS, DE
[72] ZERULLA, WOLFRAM, DE
[72] LOHE, DANIELLA, DE
[72] ZHU, SASCHA SHUXIA, DE
[71] BASF SE, DE
[85] 2019-12-11
[86] 2018-07-05 (PCT/IB2018/054948)
[87] (WO2019/012378)
[30] EP (17180506.2) 2017-07-10

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[51] **Int.Cl. C05G 3/00 (2006.01) A01P 3/00 (2006.01) C05G 3/02 (2006.01) C05G 3/04 (2006.01) C05G 3/08 (2006.01)**
[25] EN
[54] **MIXTURES COMPRISING A FUNGICIDE AND A NITRIFICATION INHIBITOR SUCH AS 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIC ACID (DMPSA) OR 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)**
[54] **MELANGES COMPRENANT UN FONGICIDE ET UN INHIBITEUR DE NITRIFICATION TEL QUE L'ACIDE 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL) SUCCINIQUE (DMPSA) OU LE GLYCOLATE 3,4-DIMETHYLIQUE DE PYRAZOLIUM (DMPG)**
[72] NAVE, BARBARA, DE
[72] PASDA, GREGOR, DE
[72] WISSEMEIER, ALEXANDER, DE
[72] STAAL, MAARTEN, DE
[72] SCHNEIDER, KARL-HEINRICH, DE
[72] SCHMID, MARKUS, DE
[72] ZERULLA, WOLFRAM, DE
[72] LOHE, DANIELLA, DE
[72] ZHU, SASCHA SHUXIA, DE
[71] BASF SE, DE
[85] 2019-12-11
[86] 2018-07-05 (PCT/IB2018/054950)
[87] (WO2019/012380)
[30] EP (17180509.6) 2017-07-10

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[51] **Int.Cl. C05G 3/00 (2006.01) C05G 3/02 (2006.01) C05G 3/04 (2006.01) C05G 3/08 (2006.01)**
[25] EN
[54] **MIXTURES COMPRISING AN UREASE INHIBITOR (UI) AND A NITRIFICATION INHIBITOR SUCH AS 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIC ACID (DMPSA) OR 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)**
[54] **MELANGES COMPRENANT UN INHIBITEUR D'UREASE (UI) ET UN INHIBITEUR DE NITRIFICATION TEL QUE L'ACIDE 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIQUE (DMPSA) OU LE 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)**
[72] NAVE, BARBARA, DE
[72] PASDA, GREGOR, DE
[72] WISSEMEIER, ALEXANDER, DE
[72] STAAL, MAARTEN, DE
[72] SCHNEIDER, KARL-HEINRICH, DE
[72] SCHMID, MARKUS, DE
[72] ZERULLA, WOLFRAM, DE
[72] LOHE, DANIELLA, DE
[72] ZHU, SASCHA SHUXIA, DE
[72] WEIGELT, WOLFGANG, DE
[72] DAUMANN, MANUEL, DE
[71] BASF SE, DE
[85] 2019-12-11
[86] 2018-07-05 (PCT/IB2018/054952)
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[51] **Int.Cl. G01C 21/32 (2006.01) G08G 1/01 (2006.01) G08G 1/13 (2006.01) G09B 29/00 (2006.01)**
[25] EN
[54] **MAP DATA STORAGE METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE STOCKAGE DE DONNEES DE CARTE**
[72] FUJITA, SUSUMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-11
[86] 2017-06-13 (PCT/JP2017/021829)
[87] (WO2018/229872)

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[13] A1
[51] **Int.Cl. H04L 1/16 (2006.01) H04W 28/04 (2009.01) H04L 27/26 (2006.01)**
[25] EN
[54] **TERMINAL APPARATUS, BASE STATION APPARATUS, AND COMMUNICATION METHOD**
[54] **DISPOSITIF TERMINAL, DISPOSITIF STATION DE BASE ET PROCEDE DE COMMUNICATION**
[72] LIU, LIQING, JP
[72] SUZUKI, SHOICHI, JP
[72] OUCHI, WATARU, JP
[72] YOSHIMURA, TOMOKI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-12-11
[86] 2018-06-13 (PCT/JP2018/022572)
[87] (WO2018/230605)
[30] JP (2017-118525) 2017-06-16

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE, BASE STATION DEVICE, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF DE TERMINAL, DISPOSITIF DE STATION DE BASE, PROCEDE DE COMMUNICATION ET CIRCUIT INTEGRE**
[72] TAKAHASHI, HIROKI, JP
[72] YAMADA, SHOHEI, JP
[72] TSUBOI, HIDEKAZU, JP
[72] YOKOMAKURA, KAZUNARI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-12-11
[86] 2018-06-14 (PCT/JP2018/022800)
[87] (WO2018/230667)
[30] JP (2017-117490) 2017-06-15

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[13] A1
[51] **Int.Cl. C01B 25/32 (2006.01) A61L 27/12 (2006.01) A61L 27/42 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING OCTACALCIUM PHOSPHATE SHAPED PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN ARTICLE MOULE EN PHOSPHATE D'OCTAVUS DE CALCIUM**
[72] SUGIURA, YUKI, JP
[72] ISHIKAWA, KUNIO, JP
[71] GC CORPORATION, JP
[85] 2019-12-11
[86] 2018-06-15 (PCT/JP2018/022823)
[87] (WO2018/230675)
[30] JP (2017-118406) 2017-06-16

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[51] **Int.Cl. H04W 74/08 (2009.01) H04W 16/28 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE, BASE STATION DEVICE, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF TERMINAL, DISPOSITIF DE STATION DE BASE, PROCEDE DE COMMUNICATION ET CIRCUIT INTEGRE**
[72] TAKAHASHI, HIROKI, JP
[72] YAMADA, SHOHEI, JP
[72] TSUBOI, HIDEKAZU, JP
[72] YOKOMAKURA, KAZUNARI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
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[25] EN
[54] **FASTENING DEVICES FOR EXPLOSION-PROOF ENCLOSURES**
[54] **DISPOSITIFS DE FIXATION POUR ENCEINTES ANTIDEFLAGRANTES**
[72] MANAHAN, JOSEPH MICHAEL, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2013-03-11
[41] 2013-11-07
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[30] US (61/640,827) 2012-05-01

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[25] EN
[54] **GENETIC POLYMORPHISMS ASSOCIATED WITH STATIN RESPONSE AND CARDIOVASCULAR DISEASES, METHODS OF DETECTION AND USES THEREOF**
[54] **POLYMORPHISMES GENETIQUES ASSOCIES A LA REPONSE A LA STATINE ET AUX MALADIES CARDIOVASCULAIRES, PROCEDES DE DETECTION ET LEURS UTILISATIONS**
[72] SHIFFMAN, DOV, US
[72] DEVLIN, JAMES J., US
[72] LUKE, MAY, US
[72] ROSS, DAVID, US
[71] CELERA CORPORATION, US
[22] 2011-04-15
[41] 2011-10-27
[62] 2,796,880
[30] US (61/325,689) 2010-04-19
[30] US (61/332,509) 2010-05-07
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[51] **Int.Cl. G06T 5/00 (2006.01) G16H 30/40 (2018.01) A61B 5/00 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **DIAGNOSIS ASSISTING DEVICE, AND IMAGE PROCESSING METHOD IN DIAGNOSIS ASSISTING DEVICE**
[54] **APPAREIL D'AIDE AU DIAGNOSTIC ET METHODE DE TRAITEMENT D'IMAGE DANS L'APPAREIL D'AIDE AU DIAGNOSTIC**
[72] MATSUNAGA, KAZUHISA, JP
[71] CASIO COMPUTER CO., LTD., JP
[22] 2017-07-31
[41] 2018-03-02
[62] 2,974,777
[30] JP (2016-171595) 2016-09-02
[30] JP (2017-081594) 2017-04-17

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MOBILE, MODULAR, ELECTRICALLY POWERED SYSTEM FOR USE IN FRACTURING UNDERGROUND FORMATIONS**
[54] **SYSTEME ELECTRIQUE MOBILE ET MODULAIRE UTILISE POUR FRACTURER DES FORMATIONS SOUTERRAINES**
[72] COLI, TODD, CA
[72] SCHELSKE, ELDON, CA
[71] EVOLUTION WELL SERVICES, LLC, US
[22] 2012-04-10
[41] 2012-10-07
[62] 2,966,672
[30] US (61/472,861) 2011-04-07

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[51] **Int.Cl. B28C 7/02 (2006.01) B28C 5/42 (2006.01) B28C 7/04 (2006.01) B28C 7/14 (2006.01) G01N 11/00 (2006.01)**
[25] EN
[54] **DELIVERY VEHICLE MIXING DRUM CONCRETE VOLUME REPORTING**
[54] **INDICATION DE VOLUME DE BETON CONTENU DANS UN TAMBOUR DE MELANGE D'UN VEHICULE DE DISTRIBUTION**
[72] ROBERTS, MARK F., US
[72] JORDAN, RICHARD K., US
[72] COOLEY, ROY J., US
[72] KOEHLER, ERIC P., US
[72] BAH IRA, MERIEM, US
[71] VERIFI LLC, US
[22] 2013-10-11
[41] 2014-04-24
[62] 2,887,602
[30] US (61/713/935) 2012-10-15

[21] **3,060,797**
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[25] EN
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[71] AVIATION PARTNERS, INC., US
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[41] 2012-12-13
[62] 2,839,492
[30] US (61/495,236) 2011-06-09

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[51] **Int.Cl. A47J 37/07 (2006.01) F24C 15/00 (2006.01)**
[25] EN
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[71] HESTAN COMMERCIAL CORPORATION, US
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[41] 2017-06-29
[62] 3,010,671
[30] US (62/387,494) 2015-12-23

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[51] **Int.Cl. C09D 7/63 (2018.01) C09D 5/08 (2006.01)**
[25] EN
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[71] THE BOEING COMPANY, US
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[62] 2,904,222
[30] US (13/866,805) 2013-04-19

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[41] 2012-02-29
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[30] US (61/378,369) 2010-08-30

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[41] 2014-08-21
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[30] US (61/767,335) 2013-02-21

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[72] GELL, DAVID, US
[72] STANWOOD, KENNETH, US
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[30] US (61/505,262) 2011-07-07
[30] US (13/367,229) 2012-02-06

[21] **3,063,931**
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[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/16 (2006.01) E21B 47/00 (2012.01)**
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[41] 2019-12-04
[30] US (62/783,351) 2017-12-21
[30] CA (3,028,406) 2018-12-21

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LAKEWOOD AMEDEX, INC 3,066,722
LAMANT, SEBASTIEN 3,065,459
LAMBACH, JAMES L. 3,065,311
LANE, DAVID JAMES 3,066,391
LANGDON, GRANT 3,066,298
LANGEDIJK, JOHANNES PETRUS MARIA 3,066,573
LANGFORD, KYLE 3,066,745
LANUZA CERZOCIMO, CARLA 3,066,305
LANZHOU DEKE ENGINEERING MATERIALS CO., LTD 3,066,862
LAROSE, IAN 3,066,760
LASER POINT S.R.L. 3,066,538
LAUTNER, CHRISTIAN 3,066,647
LAVILLE, ELISABETH 3,065,459
LAW, KATHERINE ROSE 3,066,852
LAW, KATHERINE ROSE 3,066,872
LE CALLOCH, LAURENT 3,065,468
LE SENECHAL, PASCAL 3,065,468
LEBLANC, JACQUES 3,066,754
LEBO, KEVIN JAMES 3,066,750
LEBRUN, CHARLES 3,066,526
LECLAIRE, YVES 3,066,662
LEDER, GABRIELE 3,066,859
LEE, ELIAN 3,066,744
LEE, GARY K. 3,066,641
LEE, TIEN 3,066,463
LEE, TIEN 3,066,465
LEE, TZEHO 3,065,758
LEHN, PETER WALDEMAR 3,066,649
LEI, JING 3,066,784
LEI, JING 3,066,897
LEI, JING 3,066,957
LEICA BIOSYSTEMS MELBOURNE PTY LTD 3,066,282
LEICA BIOSYSTEMS MELBOURNE PTY LTD 3,066,283
LEICA BIOSYSTEMS MELBOURNE PTY LTD 3,066,429
LEIGH INDUSTRIES, LTD. 3,066,552
LEIGHTON, TIMOTHY 3,066,184
LELY PATENT N.V. 3,066,885
LENG, CHIH-HSIANG 3,066,640
LENTIGEN TECHNOLOGY, INC. 3,066,953
LEONARD, ROSS 3,066,229
LEPRETRE, SAMUEL 3,066,179
LEROUX, KEVIN 3,066,289
LERPARD, PATRIK 3,066,845
LEUNG, DONMIENNE DOEN MUN 3,066,920
LEUZINGER, THOMAS 3,066,303
LEVY, BENJAMIN 3,066,971
LEVY, YACOV 3,066,985
LEWIS, NICHOLAS 3,066,408
LI, HAOZE 3,066,309
LI, JUNYI 3,066,207
LI, KANG 3,066,518
LI, LINGLING 3,066,844
LI, PENGFEI 3,066,680
LIACHKO, IVAN 3,066,745
LIANG, FENG 3,066,236
LIANG, RICHARD 3,066,288
LIMA, NICOLE ELIZABETH 3,066,287
LIMBREY, DOMINIC 3,066,967
LIN, JEN C. 3,066,252
LIN, YANAN 3,066,171
LIN, YANAN 3,066,673
LIN, YINGPEI 3,066,685
LIN, ZHIPENG 3,066,681
LINCOLN, DAVID L. 3,066,211
LINCOLN, DAVID L. 3,066,748
LIND, ROBERT J. 3,066,928
LINDELL, STEPHEN DAVID 3,066,852
LING, YIU KEUNG 3,066,294
LINIUS (AUST) PTY LTD. 3,066,323
LINNANEN, TERO 3,066,196
LINNIK, MATTHEW D. 3,066,920
LISI AEROSPACE 3,066,170
LISI AEROSPACE 3,066,174
LISI AEROSPACE 3,066,176
LITTLE, JOHN 3,066,245
LITTLE, SEAN 3,066,728
LIU, AARON 3,066,483
LIU, AARON 3,066,815
LIU, GUODONG 3,066,423
LIU, JIANHUA 3,066,655
LIU, JIANHUA 3,066,827
LIU, JING 3,066,516
LIU, JINHUA 3,066,191
LIU, JUNQIANG 3,066,352
LIU, LIQING 3,066,995
LIU, QIAN 3,066,857
LIU, RENMAO 3,066,180
LIU, RENMAO 3,066,965

LIU, SHAN 3,066,961
LIU, SHUANG 3,066,650
LIU, WENQING 3,066,860
LIU, YUEDAN 3,053,603
LLEDO-GARCIA, ROCIO 3,066,298
LLOYD, DAVID J. 3,066,251
LOBIE, PETER EDWARD 3,066,217
LOCINOX 3,066,301
LOCK II, L.L.C. 3,065,310
LOCKLEAR, BRANDON C. 3,066,348
LODDO, MARCO 3,066,905
LOHE, DANIELLA 3,066,958
LOHE, DANIELLA 3,066,989
LOHE, DANIELLA 3,066,990
LOHE, DANIELLA 3,066,991
LONGHI, MATTEO 3,066,193
LONGLEY, AMANDA LYNN 3,065,758
LONNING, SCOTT MICHAEL 3,066,918
LOOIJE, ADRIAN PETER 3,066,496
LORENSON, TROY 3,066,289
LOUMAYE, ERNEST 3,066,188
LOUMAYE, ERNEST 3,066,190
LOURENCO CALDEIRA PINTO, ANDRE 3,066,724
LOW, SUSAN 3,066,658
LOWINGER, TIMOTHY B. 3,066,754
LTS LOHMANN THERAPIE-SYSTEME AG 3,066,515
LU, DONGLAI 3,066,737
LU, GUANG WEI 3,066,951
LU, LIN 3,066,358
LU, PENG-CHENG 3,066,164
LU, SHAOPING 3,066,483
LU, SHAOPING 3,066,815
LU, SHU-CHEN 3,066,251
LUCITE INTERNATIONAL UK LIMITED 3,066,974
LUDER SCHAIBLE, ANDRES 3,066,914
LUDVIG SVENDSEN, BJARKE LYKKE 3,066,399
LUGLI, MARIO 3,066,542
LUNDKVIST, MATS 3,066,688
LUNDSTROM, MARCUS 3,066,845
LUO, TAO 3,066,898
LUSTIG, KLEMENS 3,066,909
LUTRON TECHNOLOGY COMPANY LLC 3,066,729
LUTRON TECHNOLOGY COMPANY LLC 3,066,765
LUTZ, CHRISTIAN 3,066,867
LUX, FRANCOIS 3,066,505
LYNAUGH, RYAN 3,066,404
LYNDRA, INC. 3,066,658
MACDONALD, DOUGLAS 3,066,779
MACDONALD, DWIGHT 3,066,499
MACHADO, SILVIO 3,066,200
MACHETTIRA, ANU BHEEMAIAH 3,066,852
MACHETTIRA, ANU BHEEMAIAH 3,066,872
MACLEAN, STEVE 3,066,636
MACLEOD, CALUM 3,066,166
MADDEN, STEPHEN ANTHONY 3,066,459
MADSEN, TOMMY ERTBOELLE 3,066,764
MADUTA, ROBERT 3,066,495
MAEDA, NAOHIRO 3,066,876
MAGATTI, MARCO 3,066,879
MAGIC LEAP, INC. 3,066,221
MAGIC LEAP, INC. 3,066,228
MAGIC LEAP, INC. 3,066,743
MAGNA INTERNATIONAL INC. 3,066,258
MAGNOLIA MEDICAL TECHNOLOGIES, INC. 3,066,670
MAGSWITCH TECHNOLOGY WORLDWIDE PTY LTD. 3,066,394
MAIDA, JOHN L. 3,066,887
MAILHET, PIERRICK 3,066,843
MAITRE, NICOLAS 3,066,662
MAITY, PRANTIK 3,066,260
MAJEED, MUHAMMED 3,065,332
MAJEED, MUHAMMED 3,066,446
MAJEED, MUHAMMED 3,066,772
MAKAY, MICHAEL CHAD 3,066,769
MAKHOTIN, M. OLEG 3,066,609
MALIK, MEGHNA 3,066,220
MALISIEWICZ, TOMASZ JAN 3,066,228
MALONE, RYAN 3,066,700
MALVASI, CARLO 3,066,621
MANENTI, LUIGI 3,066,747
MANGALA, RAMKUMAR 3,066,585
MANLY, DAVID 3,066,743
MANN, SAMUEL EDWARD 3,066,166
MANSI, CHRISTOPHER 3,066,644
MAPEI S.P.A. 3,066,508
MARCER, SANDRO 3,066,865
MARRERO NODARSE, ANIEBRYS 3,066,026
MARSH, CHELSEA 3,066,780
MARTIN, JAMEISON BEAR 3,066,254
MARTIN, JAMEISON BEAR 3,066,255
MARTIN, JOEL 3,066,945
MARTIN, WILLIAM 3,066,757
MARTINEAU, ANDRE 3,066,956
MARTINEAU-ROUSSEAU, PHILIPPE 3,066,319
MARTINEZ-RUBI, YADIENKA 3,066,290
MARTON, ROBERT 3,066,709
MASHIMO, TOMOJI 3,066,599
MASQUELIER, DON 3,066,253
MASSOW, UTE 3,066,298
MASTROLEO, FELICE 3,066,501
MATHIESON, JOHN T. 3,062,166
MATHIS, STEVE 3,066,935
MATIASH, NICHOLAS 3,066,687
MATSUO, SHINYA 3,066,343
MATTSSON, ROBERT 3,066,316
MAURO DE FEO, DEMIAN 3,061,584
MAVHUNGA, NIZBERT 3,066,985
MAVLANKAR, ADITYA 3,066,736
MAXWELL, BARRY A. 3,066,381
MAYO, MELISSA ANN 3,066,642
MAYO, MELISSA ANN 3,066,767
MAZZOTTI, ANTHONY R. 3,066,224
MCALLISTER, LAURA ANN 3,066,986
MCCLINTOCK, DENNIS 3,066,226
MCCRAE, RICHARD 3,066,314
MCCREADY, DEREK ROBERTSON 3,066,496
MCCULLOUGH, ADAM B. 3,066,399
MCDERMOTT, MICHAEL 3,066,780
MCDERMOTT, ROBERT 3,066,620
MCGAVOCK, RICHARD ALAN, JR. 3,065,761
MCGILLICUDDY, DENNIS 3,066,754
MCINTIRE, TIMOTHY MARK 3,066,718
MCMAHON, WILLIAM F. 3,066,762
MCMILLAN, JOSEPH 3,066,467
MCRAE, JEREMY FRANCIS 3,066,534
MCRAE, JEREMY FRANCIS 3,066,775
MEATY MEATS INC. 3,049,288
MEDICPEN AB 3,066,607
MEDIZINISCHE UNIVERSITAT INNSBRUCK 3,066,240
MEERPOEL, LIEVEN 3,066,166
MEIFFRE, LOIC 3,066,170
MEIFFRE, LOIC 3,066,174
MEIFFRE, LOIC 3,066,176
MEIJER, MARCEL PETER 3,066,546
MEIJERINK, WOUTER ROGIER 3,066,546
MEIRAGTX UK II LIMITED 3,066,654
MELANDER, MATIAS 3,066,399
MELLE, ALBERTO GIOVANNI 3,049,783
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,066,648
MENAND, STEPHANE 3,066,610
MENCHACA, LUIS GARCIA 3,066,896
MENEZO, SYLVIE 3,066,432
MENG, FANYIN 3,066,611
MERCHIERS, PASCAL 3,066,547
MERCHIERS, PASCAL 3,066,553
MERCHIERS, PASCAL 3,066,555
MERSANA THERAPEUTICS, INC. 3,066,754
MESNAGER, JULIEN, FRANCOIS, MARIE, ANTOINE, PHILIPPE 3,066,629
METIS ENERGY, LLC 3,066,913
METZGER, TRACY 3,066,427
MEURER, GUIDO 3,066,863
MEVELEC, MARIE-NOELLE 3,066,314
MEYER PRODUCTS, LLC 3,066,409
MEYERS, C. DANIEL 3,066,987
MEZO, ADAM ROBERT 3,066,920
MIAN, ALEC 3,066,246
MIAZGA, JAY M. 3,066,670
MICHAELS, DANNIELLE LISA 3,066,866
MILLER, ERIK 3,066,650
MILLER, J. CLAYTON 3,065,310
MILLER, JOHN FRANKLIN 3,066,964
MILLER, JOHN FRANKLIN 3,066,969
MILLER, MATHEW G. 3,066,642
MILLER, MATHEW G. 3,066,767
MILLER, OLIVER JON 3,066,708
MILLER, PETER 3,066,474
MILLIFF, BRIAN 3,066,418
MIMA, SHINJI 3,066,325
MIMA, SHINJI 3,066,616

MIMA, SHINJI 3,066,624
MIN, BRIAN 3,066,661
MINAGAWA, MASANORI 3,066,356
MINEZAWA, AKIRA 3,066,204
MIODUSZEWSKI, ZBIGNIEW 3,066,283
MIRET CASALS, LAIA 3,066,698
MITSUBISHI ELECTRIC CORPORATION 3,066,204
MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD. 3,066,209
MITSUI CHEMICALS AGRO, INC. 3,066,591
MITTAL, KHUSHBOO 3,066,216
MITTENDORF, VOLKER 3,066,917
MIXTER, COLIN 3,066,361
MIYAHARA, OSAMU 3,066,336
MIYAZAKI, MASAYUKI 3,066,345
MIYOSHI, HAYATO 3,066,325
MO, LIGUANG 3,066,912
MODFIND LLC 3,066,735
MOHAMED, YOUSRA HAZEM KHALIL HELMY 3,066,544
MOHLE, KERSTIN 3,066,026
MOIRE, NATHALIE 3,066,314
MOLECULAR EXPRESS, INC. 3,066,915
MOLINA, DAVID 3,066,407
MOLINA, DAVID 3,066,410
MOLINS ALBANELL, FRANCISCO JAVIER 3,066,243
MOLLATT, TORBJORN 3,066,540
MOLLOY, ANDREW 3,066,344
MOMENTIVE PERFORMANCE MATERIALS GMBH 3,049,783
MOMODA, JUNJI 3,066,345
MONGKOLSAPAYA, JUTHATHIP 3,066,488
MONSANTO TECHNOLOGY LLC 3,066,746
MONTEIRO, MICHAEL 3,065,322
MONTOJO, JUAN 3,066,898
MOON, HYUNG RYONG 3,066,717
MOON, JOHN A. 3,066,535
MOORTHY, DINESH SUNDARA 3,066,729
MOORTHY, DINESH SUNDARA 3,066,765
MOREAU, CELINE 3,065,459
MORISAKA, HIROYUKI 3,066,599
MORIYA, YOSHIMI 3,066,204
MORTIMER, SAMUEL JOHN 3,066,082
MORTON, DAVID H. 3,066,394
MOSIG, JOHANNA 3,066,909
MOTOROLA SOLUTIONS, INC. 3,066,612
MOTOZUKA, HIROYUKI 3,066,208
MOULDER, KEVIN 3,066,547
MOULDER, KEVIN 3,066,553
MOULDER, KEVIN 3,066,555
MOURITZEN, ULRIK 3,066,523
MOWAT, JEFFREY STUART 3,066,859
MTAUWEG, SAMER 3,066,108
MUELLER, WERNER 3,066,793
MUJICA, ALEXANDER O. 3,066,945
MULDER, IMKE ELISABETH 3,066,189
MULDER, IMKE ELISABETH 3,066,557
MULDER, IMKE ELISABETH 3,066,561
MULHERN, DANIEL 3,066,918
MULLER, CHRISTOPH 3,066,867
MULLER, SAMUEL 3,066,477
MULLER, THOMAS 3,066,909
MULPURI, RAO 3,066,285
MULQUEEN, RYAN 3,066,424
MUNDKUR, LAKSHMI 3,065,332
MUNDKUR, LAKSHMI 3,066,446
MUNKO, ANDREAS 3,066,495
MUNNELLY, JENNIFER 3,066,378
MURPHY, ANDREW J. 3,066,947
MURPHY, ANDREW J. 3,066,950
MUSCHENICH, MARKUS 3,066,647
MUSER, ANDREW P. 3,066,416
MUSINI, EMANUELE 3,066,877
MYANT INC. 3,066,291
NADEAU, MARC 3,066,319
NAGABHUSHANAM, KALYANAM 3,065,332
NAGABHUSHANAM, KALYANAM 3,066,446
NAGABHUSHANAM, KALYANAM 3,066,772
NAGARAJA, SUMEETH 3,066,898
NAITO, RYOHEI 3,066,591
NAKAHATA, TATSUO 3,066,343
NAKANE, JUNICHI 3,066,589
NAM, WOOSEOK 3,066,898
NANAC, BRANISLAV 3,066,319
NANJINGJINSIRUI SCIENCE & TECHNOLOGY BIOLOGY CORP. 3,066,182
NANO DISPERSIONS TECHNOLOGY, INC. 3,066,864
NANOTECH ENERGY, INC. 3,066,739
NANTKWEST, INC. 3,066,463
NANTKWEST, INC. 3,066,465
NANTOMICS, LLC 3,066,245
NANTOMICS, LLC 3,066,648
NANTOMICS, LLC 3,066,930
NAPLES, BENEDETTO A. 3,066,263
NAPLES, BENEDETTO A. 3,066,280
NAPLES, BENEDETTO A. 3,066,281
NARASIMHAN, JANA 3,066,224
NASALEVICH, MAXIM ALEKSANDROVICH 3,066,546
NATHAN, YANIV 3,066,005
NATIONAL HEALTH RESEARCH INSTITUTE 3,066,640
NATIONAL RESEARCH COUNCIL OF CANADA 3,066,290
NATIONAL RESEARCH COUNCIL OF CANADA 3,066,640
NATIONAL UNIVERSITY OF SINGAPORE 3,066,217
NAVE, BARBARA 3,066,958
NAVE, BARBARA 3,066,989
NAVE, BARBARA 3,066,990
NAVE, BARBARA 3,066,991
NAVNE, MATHIAS 3,066,845
NAWANDAR, DHANANJAY MANIKLAL 3,066,750
NEALIS, MONICA 3,066,291
NEBEL, ERNESTO 3,066,678
NECHAENKO, ALEKSANDR 3,066,292
NELLUMS, ROBERT ROSS 3,066,225
NELSON, JENNIFER 3,066,789
NELSON, WILLIAM G. 3,066,350
NEMIROSKI, ALEX 3,066,535
NESS, KEVIN 3,066,253
NETFLIX, INC. 3,066,736
NEUHAUS, ROLAND 3,066,859
NEVILLE, ALLAN 3,066,751
NEVILLE, CRAIG M. 3,066,616
NEVILLE, CRAIG M. 3,066,624
NEWELL, MATTHEW 3,066,408
NEWMAN, FREDRIC MARK 3,066,414
NEWMAN, MARSHA JO 3,066,414
NEWMAN, PETER CLARKE 3,066,483
NEWMAN, PETER CLARKE 3,066,815
NGUYEN, ANDREW 3,066,930
NGUYEN, MINH MINDY BAO 3,066,955
NGUYEN, PHILIP D. 3,066,346
NH THERAGUIX 3,066,505
NIBBE, MARK J. 3,066,708
NICHOLS, SCOTT 3,066,768
NICKELSTON, ANDREW 3,066,638
NICLAES, CHRISTOPHE 3,066,497
NICOLAI, JANINE 3,066,909
NIELSEN, DAN MONSTER 3,066,851
NIELSEN, JIMMY SOLVSTEEN 3,066,192
NIELSEN, JOHNNY 3,066,697
NIELSEN, SARAWUT 3,066,374
NIEWELS, JOACHIM JOHANNES 3,066,500
NILSEN, JAMES 3,065,758
NILSEN, RYAN M. 3,066,612
NILSSON, JOAKIM 3,066,521
NIPE, LARS GUSTAV MAGNUS 3,066,249
NIPPON SODA CO., LTD. 3,066,212
NIPPON STEEL CORPORATION 3,066,336
NIPPON STEEL CORPORATION 3,066,342
NISHINO, MASAFUMI 3,066,325
NISHINO, MASAFUMI 3,066,624
NISSAN MOTOR CO., LTD. 3,066,341
NISSAN MOTOR CO., LTD. 3,066,993
NMR 360 INC 3,066,422
NMR 360 INC 3,066,431
NOBES, RYAN W 3,066,787
NOE, ANDREW 3,066,917
NOEHRING, LEE 3,066,728
NOETHEN, MARK 3,066,892
NOFZINGER, ERIC A. 3,066,232
NOGUCHI, TAKAO 3,066,345
NOISHIKI, TSUYOSHI 3,066,212
NORBERG, STEVEN 3,066,424
NORDLING, ERIK 3,066,521
NORDSTAD, SIMON 3,066,477
NOTENBOOM, ARNOUD WILLEM 3,066,546
NOURYON CHEMICALS INTERNATIONAL B.V. 3,066,844
NOVARTIS AG 3,066,711

NOVARTIS AG 3,066,747
NOVARTIS AG 3,066,774
NOVARTIS AG 3,066,987
NOVELIS INC. 3,066,372
NOWAK, JOSHUA 3,066,376
NTT DOCOMO, INC. 3,066,878
NUERNBERG, FRANK-THOMAS 3,066,900
NUGENT, REBECCA 3,066,744
NUHN, PHILIPP 3,066,350
NYSTUEN, PAUL 3,066,218
O'CONNOR, RACHEL, W. 3,066,774
O'DAY, JOSEPH MORGAN 3,066,652
O'FLYNN, PADRAIG M. 3,066,378
O'HANLON, FINBAR 3,066,323
O'NEAL, TIARA ELIZABETH 3,066,844
O'TOOLE, JONATHAN 3,066,971
OAKDEN-GRAUS, JONATHON P. 3,066,362
OBA, TAKAHIRO 3,066,338
OBLIGER, NICOLAS 3,066,879
OBSEVA S.A. 3,066,188
OBSEVA S.A. 3,066,190
OFFRINGA, RIENK 3,066,859
OGAB LIMITED 3,066,489
OH-AINLE, DONNCHADH 3,066,282
OH-AINLE, DONNCHADH 3,066,429
OHKURI TADAHIRO 3,066,340
OHLENSCHLAEGER, RASMUS 3,066,399
OHYAMA, YASUHIRO 3,066,356
OKADA, HIROKAZU 3,066,336
OLSMAN, RAYMOND 3,066,546
OLSON, STEVEN 3,066,757
OLSON, WILLIAM 3,066,779
OMNIPEP ESTABLISHMENT 3,066,214
ON HO, SAM 3,066,915
ONCOLOGICA UK LTD 3,066,905
OONO, NORIYOSHI 3,066,600
OPTIKON 2000 S.P.A. 3,066,621
ORAL DIAGNOSTIX, LLC 3,066,884
ORAZEM, LOUIS M. 3,066,409
ORBIS CORPORATION 3,066,762
OREGON HEALTH & SCIENCE UNIVERSITY 3,066,424
OREN, RAVIT 3,066,972
ORENTAS, RIMAS J. 3,066,953
ORGANOFAB TECHNOLOGIES, INC. 3,066,421
ORSINI, RICHARD 3,065,758
OSAKA UNIVERSITY 3,066,599
OSBORNE, NICHOLAS 3,066,756
OSHMARINA, INNA 3,066,292
OSIPOV, MAKSIM 3,066,260
OSIPOV, MAKSIM 3,066,789
OSTERMEIER, ROBIN 3,066,870
OTA, TAKAFUMI 3,066,209
OUCHI, WATARU 3,066,995
OUTOTEC (FINLAND) OY 3,066,495
OV LOOP, INC. 3,066,344
OVERFIELD, THOMAS 3,066,716
OW, HOOISWENG 3,066,236
OXFORD NANOPORE TECHNOLOGIES LIMITED 3,066,715
OZTURK, MUSTAFA NACI 3,066,172
PACE, CRAIG S. 3,065,328
PACKSIZE LLC 3,066,481
PAGET, MICHAEL ANDREW 3,066,810
PAGOT, ALEXANDRE BERNARD 3,066,883
PAILLARD, HERVE 3,066,899
PALMER, ANDREW JOSEPH 3,066,890
PALMER, JOETTA RENEE 3,066,471
PALMER, MIKE 3,066,415
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,066,208
PANDA, MANORANJAN 3,065,309
PANDEY, VIJAY KUMAR 3,066,217
PANKNIN, OLAF 3,066,859
PAPA, RENATO 3,066,496
PARADIS BAS, MARTA 3,066,698
PARAGONIX TECHNOLOGIES, INC. 3,066,625
PARASURAMAN, SUDHA 3,066,778
PARENTEAU, DWAYNE 3,066,289
PARKER, JAMES THOMAS 3,066,920
PARTH, JAIN 3,066,291
PASCHON, DAVID 3,066,641
PASDA, GREGOR 3,066,958
PASDA, GREGOR 3,066,989
PASDA, GREGOR 3,066,990
PASDA, GREGOR 3,066,991
PASHKOVSKI, EUGENE 3,066,524
PASTRANA-RIOS, BELINDA 3,066,441
PATEL, HRISHIKESH 3,066,546
PATEL, JIGAR 3,066,224
PATEL, SANDIP C. 3,066,492
PATERSON, ALISON 3,066,774
PATTERSON, JAMES J. 3,066,229
PATTERSON, REID A. 3,066,524
PATTERSON, THOMAS ALAN 3,066,285
PAULSSON, STEFAN 3,066,845
PAYEUR, STEPHANE 3,066,636
PEABODY, TARAH L. 3,066,902
PEARL, WILLIAM CECIL, JR. 3,066,887
PEDERSEN, ANDREAS VIGAND 3,066,192
PEDERSON, NELS ERIC 3,066,918
PEGUERO LORENZ, ANGEL 3,066,305
PEGUET, LIONEL 3,066,606
PEKKER, LEONID 3,066,404
PELED KAMAR, MIRA 3,066,972
PELLEGRINI, RICHARD M. 3,066,940
PELLEGRINO, SERGIO 3,066,538
PENFIELD, JONATHAN S. 3,066,642
PENFIELD, JONATHAN S. 3,066,767
PENG, WENJIE 3,066,516
PENTOPOULOS, MARC 3,066,284
PEOPLES, OLIVER P. 3,066,220
PEQUENO, R. ERIC 3,066,348
PERDANA, JIMMY 3,066,886
PEREIRA MIGUEL, SONIA ALEXANDRA 3,066,321
PERERA, ANTHONY 3,066,418
PESCE, KATHRYN AUSTIN 3,066,407
PESTANA, NESTOR 3,066,971
PETACCHI, LUCA 3,066,877
PETER, MARIA 3,066,546
PETERS, OLAF 3,066,852
PETERS, OLAF 3,066,872
PETERSEN, KIRSTIN 3,066,859
PETERSON, MARK L. 3,066,499
PETIGNAUD, CECILE 3,066,526
PETITON, VALERY 3,066,659
PETROLEO BRASILEIRO S.A. - PETROBRAS 3,066,487
PETTERSEN, EIRIK EIDE 3,066,192
PEUGAS CARLOS MAIA, LDA 3,066,871
PF3 GLOBAL, LLC 3,026,886
PFIZER INC. 3,066,986
PHAM, KHIEM 3,066,370
PHASE GENOMICS INC. 3,066,745
PHILLIPS, MARCUS DAMIAN 3,066,073
PICCHI, FABIO 3,066,574
PIGEON, YORAN ELI 3,066,659
PILLO, INC. 3,066,877
PINESE, ANTONIO 3,066,869
PINTO, JOSEPH FRANCIS 3,066,759
PIRATLA, VINAY LEELADHAR 3,066,369
PITIS, PHILIP MICHAEL 3,066,423
PLAMBECH, CHRISTIAN 3,066,399
PLOY, GERNOT 3,066,693
PLUGIS, NICHOLAS MCCARTNEY 3,066,750
PODO ACTIVA, S.L. 3,066,305
POHL, OLIVIER 3,066,188
POIRIER, JOHN THOMAS 3,066,648
POISCHBEG, JENS 3,066,520
POKHOLOK, DMITRY K. 3,066,424
POLARIS INDUSTRIES INC. 3,066,362
PONCELET, VIRGINIE SOPHIE 3,066,166
POOLE, REBECCA 3,066,971
POTOCKY, TERRA 3,066,945
POURA LTD 3,066,967
POWERS, JAY PATRICK 3,066,260
POWERS, JAY PATRICK 3,066,789
POWERS, PAUL J. 3,066,213
PPC BROADBAND, INC. 3,066,956
PPG COATINGS (TIANJIN) CO., LTD. 3,066,860
PRADHAN, SULOLIT 3,066,768
PRANADI, FERY 3,065,758
PREMJI, RAHIM 3,066,005
PRENAV, INC. 3,066,907
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,066,733
PRIEFERT MFG. CO. INC. 3,066,427
PRIEFERT, WILLIAM 3,066,427
PRIESTLEY, ELDON SCOTT 3,065,309
PRINCE, SIMON 3,066,483
PRINCE, SIMON 3,066,815
PRINZ, BIANKA 3,066,547
PRINZ, BIANKA 3,066,553
PRINZ, BIANKA 3,066,555
PRINZ, BIANKA 3,066,774
PROBI AB 3,066,312
PROFUSA, INC. 3,066,768
PROST, FABRICE 3,066,509
PROTEIN DYNAMIC SOLUTIONS, INC. 3,066,441

PROULX, JARED J. 3,066,751
PTC THERAPEUTICS INC. 3,066,224
PUDI, SATYANARAYANA MURTY 3,066,585
PUIG DURAN, CARLOS 3,066,698
PULIDO, JAIME 3,066,458
PULMOPHARMA IVS 3,066,851
PUROHIT, ANKIT 3,066,222
PUSAN NATIONAL UNIVERSITY INDUSTRY-UNIVERSITY COOPERATION FOUNDATION 3,066,717
PUTNAM, GEOFFREY H. 3,066,404
PYRON, ROGER 3,066,118
QI, QINZHOU 3,066,518
QIAO, LINLIN 3,053,603
QIN, YUQING 3,066,941
QIU, CHUNYUAN 3,066,632
QU, GUANG 3,066,358
QUALCOMM INCORPORATED 3,066,207
QUALCOMM INCORPORATED 3,066,784
QUALCOMM INCORPORATED 3,066,897
QUALCOMM INCORPORATED 3,066,898
QUALCOMM INCORPORATED 3,066,910
QUALCOMM INCORPORATED 3,066,957
QUEROLLE, OLIVIER ALEXIS GEORGES 3,066,166
QUERZOLI, GIORGIO 3,066,621
RABINOVICH, ANDREW 3,066,228
RAFTO, THOR OYVIND 3,066,719
RAHARDJA, DANIEL 3,066,006
RAISIN, PHILIPPE RICHARD 3,066,914
RAJA, KANUPARTHY NAGA 3,066,585
RAKUTEN MEDICAL, INC. 3,066,354
RALPH, JEFFREY M 3,066,328
RALSTON, TYLER S. 3,066,783
RAMAN, KRISHNAN 3,066,164
RAMANAN, ABILASHA 3,066,249
RAMKUMAR, SHWETHA 3,066,895
RAMOS TOMILLERO, IVAN 3,066,698
RAMSEY, TIMOTHY F. 3,066,670
RANA, NEHA 3,066,746
RANGAPPA, SHOBITH 3,066,217
RAO, GOVIND 3,066,247
RAPPAPORT FAMILY INSTITUTE FOR RESEARCH IN THE MEDICAL SCIENCES 3,066,054
RASMUSSEN, ERIC JOSEPH 3,066,700
RASSEK, OLIVER 3,066,026
RAVANELLI, ANDREW 3,066,798
RAVINA, BERNARD 3,065,471
RAVIV, ZIV 3,066,054
RAWSON, NEILL JOHN 3,066,082
RAWSON, NEILL JOHN 3,066,090
RAYE, MICHAEL 3,066,408
RAYMOND, ANDREW 3,066,404
RAYNARD, NATHAN 3,066,744
RAYTHEON CANADA LTD. 3,066,787
RAYTHEON COMPANY 3,066,892
REBAR, EDWARD J. 3,066,641
RECORDATI INDUSTRIA CHIMICA E FARMACEUTICA SPA 3,066,193
RED BULL GMBH 3,066,318
REED, MICHAEL H. 3,066,394
REGENERON PHARMACEUTICALS, INC. 3,066,569
REGENERON PHARMACEUTICALS, INC. 3,066,779
REGENERON PHARMACEUTICALS, INC. 3,066,945
REGENERON PHARMACEUTICALS, INC. 3,066,947
REGENERON PHARMACEUTICALS, INC. 3,066,950
REHDER, DOUG 3,065,328
REICH, ADAM 3,066,218
REID, LOLA M. 3,066,710
REID, MERON 3,066,702
REID, STEPHEN 3,066,199
REIFEN, RAM 3,066,875
REIL, GORAN 3,066,307
REIL, VLADIMIR 3,066,307
REILLY, MAUREEN KAY 3,066,260
REILLY, MAUREEN KAY 3,066,789
REISSER, LUKAS 3,066,318
REITER, DANIEL 3,066,194
REITER, YORAM 3,066,972
REMAUT, HAN 3,066,715
REN, BAICHUAN 3,053,603
REN, BAIXIANG 3,053,603
REN, HONGJI 3,066,535
REN, ZONGMING 3,053,603
RENEHAN, THOMAS 3,066,378
RENMARKER, PONTUS 3,066,374
RESHETNYAK, YANA K. 3,066,384
RESILIENT PLC 3,066,490
RESPIRATORY MOTION, INC. 3,066,578
RESPIRATORY MOTION, INC. 3,066,632
REY, FELIX 3,066,488
REYNOLDS, CHARLES H. 3,066,939
RHEEM MANUFACTURING COMPANY 3,066,582
RHEEM MANUFACTURING COMPANY 3,066,656
RHODE ISLAND COUNCIL ON POSTSECONDARY EDUCATION 3,066,384
RHODIA OPERATIONS 3,066,512
RICCOMINI, ROBERT ANGELO 3,066,769
RICHARD, LUC 3,066,499
RICHARD, SHANE 3,066,233
RICHARD, SHANE 3,066,237
RICHARDSON, CHRISTOPHER W. 3,066,323
RICHARDSON, ROSS 3,066,751
RICHTER, JEREMY 3,065,309
RIDDLE, LEE RICHARD 3,066,500
RIDGEWELL, PETER 3,066,488
RIDGWAY, AARON 3,066,283
RIEDEMANN, NIELS R. 3,066,689
RIEDER, KLAUS-ALEXANDER 3,066,849
RIEGER, JAYSON MICHAEL 3,066,079
RIGGINS, JAMES NICHOLAS 3,066,642
RIGGINS, JAMES NICHOLAS 3,066,767
RIMINI, NOA 3,066,206
RIVA, CARLO 3,066,193
RIZZO, ANTHONY 3,065,758
ROBERTS, PETER 3,066,944
ROBERTS, PETER 3,066,975
ROBEY, LAUREN E. 3,066,580
ROBINSON, JOHN A. 3,066,026
ROEDER, ISABELL 3,066,870
ROGERS, DARREN 3,066,694
ROGERS, PETER 3,066,963
ROJAS, JUAN JOSE 3,066,396
ROLLO, ADAM 3,066,971
RONEY, TIMOTHY 3,066,120
ROSE, ANDREAS 3,066,354
ROSEMOUNT INC. 3,066,983
ROSENBAUM, TAMAR 3,066,789
ROSENSTEIN, BJORN 3,066,909
ROSENTHAL, NORMAN R. 3,066,874
ROSINGER, CHRISTOPHER HUGH 3,066,852
ROSINGER, CHRISTOPHER HUGH 3,066,872
ROSS, CLARE 3,066,971
ROSSETI, FABIEN 3,066,505
ROSSI, BENJAMIN 3,066,514
ROSSI, BENJAMIN 3,066,571
ROSSI, TOMMASO 3,066,621
ROTHER, MATTHIAS 3,066,675
ROUNDTRIPPING LTD. 3,065,346
ROUVINSKI, ALEXANDER 3,066,488
ROWE, BRADLEY MARKUS 3,066,896
ROZBICKI, ROBERT T. 3,066,285
ROZENBERG, ELIYAHU 3,066,201
RS LIFE360 SOCIETA A RESPONSABILITA LIMITATA 3,066,201
RSM IMAGINEERING AS 3,066,540
RUDIN, CHARLES MICHAEL 3,066,648
RUDOLFSSON, JENNY 3,066,312
RUECKERT, FRANK 3,066,900
RUEEGGER, PETER 3,066,467
RUIZ MARTINEZ, CRISTINA 3,066,883
RUSSELL, SERENA LOUISA 3,066,082
RYSER, MANUEL ALAIN 3,066,914
SABATOS-PEYTON, CATHERINE ANNE 3,066,747
SABATOS-PEYTON, CATHERINE, ANNE 3,066,774
SABIN, LEAH 3,066,947
SABIN, LEAH 3,066,950
SAFABASH, JASON F. 3,066,888
SAFEGUARD BIOSYSTEMS HOLDINGS LTD. 3,066,627
SAFRAN 3,066,302
SAFRAN 3,066,848
SAFRANY, JEAN-SYLVESTRE 3,066,606
SAHA, KRISHANU 3,065,326

SAHIN, UGUR 3,066,308
SAIJA, LEO MARIO 3,066,542
SAINT-GOBAIN GLASS FRANCE 3,066,179
SAINT-GOBAIN GLASS FRANCE 3,066,181
SAKAKIBARA, HAJIME 3,066,882
SAKHARKAR, ANANT 3,066,764
SAKURADA, AKANE 3,066,591
SALAHIEH, AMR 3,066,361
SALAMAT, GOLCHEHREH 3,066,346
SALESFORCE.COM, INC. 3,066,254
SALESFORCE.COM, INC. 3,066,255
SALIMU, JOSEPHINE 3,066,547
SALIMU, JOSEPHINE 3,066,553
SALIMU, JOSEPHINE 3,066,555
SALZBURG TRADING COMPANY, LTD. 3,066,726
SAMANO, VICENTE 3,066,964
SAMANO, VICENTE 3,066,969
SAMI LABS LIMITED 3,065,332
SAMI LABS LIMITED 3,066,446
SAMI LABS LIMITED 3,066,772
SAMUELSSON, MATS 3,066,845
SAMUNI, ERAN 3,066,206
SANBORN, JOHN ZACHARY 3,066,245
SANDVIK INTELLECTUAL PROPERTY AB 3,066,324
SANGAMO THERAPEUTICS, INC. 3,066,641
SANOFI BIOTECHNOLOGY 3,066,317
SANTARELLI, FREDERIC JOSEPH 3,066,970
SANTOS, RENZ ANGELO 3,066,716
SAOTOME, YASUSHI 3,066,767
SAS INSTITUTE INC. 3,066,480
SATIR, SARP 3,066,783
SATPAYEV, DAULET KADYL 3,066,972
SAUDI ARABIAN OIL COMPANY 3,066,236
SAUER, ACHIM 3,066,922
SAUL, TOM 3,066,361
SAURIN, CLAUDIO 3,066,203
SAUVAGEAU, YVES 3,066,319
SAUVIGNET, PHILIPPE 3,066,899
SAVATSKY, BRUCE J. 3,066,348
SAVIGNAC, HELENE 3,066,189
SAVIGNAC, HELENE 3,066,557
SAVIGNAC, HELENE 3,066,561
SAYED, MOHAMMED 3,066,236
SCALMATO, ANTONELLO 3,066,877
SCAVOLA, EUGENE 3,066,079
SCENTRICS INFORMATION SECURITY TECHNOLOGIES LTD 3,066,701
SCHAEFER, JASON 3,066,743
SCHARTNER, QUINN WILLIAM 3,066,740
SCHEBLEIN, JOSEPH WILLIAM 3,066,116
SCHEEL, MARIA 3,065,471
SCHEIB, CHARLES J. 3,066,527
SCHLUMBERGER CANADA LIMITED 3,066,396
SCHMEES, NORBERT 3,066,859
SCHMERTZLER, MICHAEL 3,066,939
SCHMID, MARKUS 3,066,958
SCHMID, MARKUS 3,066,989
SCHMID, MARKUS 3,066,990
SCHMID, MARKUS 3,066,991
SCHMIDT, GEORG 3,066,181
SCHNEIDER, DINA 3,066,953
SCHNEIDER, KARL-HEINRICH 3,066,958
SCHNEIDER, KARL-HEINRICH 3,066,989
SCHNEIDER, KARL-HEINRICH 3,066,990
SCHNEIDER, KARL-HEINRICH 3,066,991
SCHNEIDER, MARK 3,066,520
SCHOENHERR, CHRISTOPHER 3,066,569
SCHOENHERR, CHRISTOPHER 3,066,950
SCHONFELDT, TROELS 3,066,192
SCHOTSMANS, WENDY CONY RIA 3,066,066
SCHOTT, GUY 3,066,696
SCHUETT, NATHAN 3,066,907
SCHURING, MARTIN 3,066,875
SCHUT, XAVIER 3,066,630
SCHWAGER, CAECILIA 3,066,372
SCHWARTZ, CAMILLE R. 3,066,245
SCHWARTZ, SARIT 3,066,648
SCHWELLER, RYAN 3,066,768
SCIOTEQ BVBA 3,066,522
SCORTICATI, DAVIDE 3,066,538
SCOTT, GLENN 3,066,479
SCOTT, TIMOTHY D. 3,066,582
SCREATON, GAVIN 3,066,488
SEABORG APS 3,066,192
SEARS, GORDON 3,066,282
SEASUCKER, LLC 3,066,720
SECKER, THOMAS 3,066,184
SECTURION SYSTEMS, INC. 3,066,728
SEELIGER, ROBERT 3,066,318
SEERY, MARTIN 3,066,410
SELAS HEAT TECHNOLOGY COMPANY LLC 3,066,935
SENEZ, VINCENT 3,065,459
SENSINI, ALBERTO 3,066,699
SENSORY TECHNOLOGIES OF CANADA INC. 3,066,810
SEO, YOUNG HOON 3,066,512
SHAKED, YUVAL 3,066,054
SHANDONG NORMAL UNIVERSITY 3,053,603
SHANGHAI HUTCHISON PHARMACEUTICALS LIMITED 3,050,146
SHANGHAI UNITED IMAGING HEALTHCARE CO., LTD. 3,066,504
SHANGHAI UNIVERSITY OF TRADITIONAL CHINESE MEDICINE 3,050,146
SHAO, HUA 3,066,517
SHARKNINJA OPERATING LLC 3,066,751
SHARMA, BHAVESH 3,066,585
SHARP KABUSHIKI KAISHA 3,066,180
SHARP KABUSHIKI KAISHA 3,066,965
SHARP KABUSHIKI KAISHA 3,066,995
SHARP KABUSHIKI KAISHA 3,066,997
SHARP KABUSHIKI KAISHA 3,067,001
SHAVER, JEREMY MARTIN 3,066,223
SHAW, STEVEN ROBERT 3,066,776
SHAWE-TAYLOR, JOHN STEWART 3,066,701
SHEARER, BARRY GEORGE 3,066,979
SHEFFER, YARON 3,066,678
SHELDON, DONALD A. 3,066,486
SHELLENBERGER, TIMOTHY J. 3,066,656
SHEN, DANPING 3,050,146
SHEN, JIA 3,066,936
SHEREMETIEV, DMITRY 3,066,378
SHI, DONGFANG 3,066,680
SHI, RUOYUN 3,066,649
SHI, ZHIHUA 3,066,671
SHI, ZHIHUA 3,066,674
SHI, ZHIHUA 3,066,682
SHI, ZHIHUA 3,066,690
SHI, ZHIHUA 3,066,933
SHIFAMED HOLDINGS, LLC 3,066,361
SHIMIZU, YASUTOMO 3,066,345
SHIRAKAWA, TOMOMI 3,066,591
SHORT BROTHERS PLC 3,066,202
SHPERBER (SERY), YAEL 3,066,972
SHRIVASTAVA, DHAIRYA 3,066,285
SHU, WEI 3,066,774
SHUAI, YUTAO 3,066,853
SHUNATONA, HUNTER PAUL 3,066,260
SHUNATONA, HUNTER PAUL 3,066,789
SHY THERAPEUTICS LLC 3,066,939
SIDDOWAY, CRAIG 3,066,612
SIEJA, EDWARD MICHAEL 3,066,716
SIEMENS MOBILITY, INC. 3,065,761
SIGL, DENNIS ROLAND 3,066,619
SIGL, DENNIS ROLAND 3,066,666
SIGL, DENNIS ROLAND 3,066,677
SIGL, DENNIS ROLAND 3,066,687
SIGMA ALDRICH CO. LLC 3,066,798
SIGMA-ALDRICH CO. LLC 3,066,790
SILVESTON-KEITH, REBECCA B. 3,066,368
SIMA, BOGDAN 3,066,344
SIMARD, BENOIT 3,066,290
SIMMONS ENGINEERING COMPANY 3,066,355
SIMMONS, SEAN BRACKEN 3,066,771
SIMON, WERNER 3,066,867
SIMONE, TESSA MERCEDES 3,066,623
SINGH, PRATIK RAJ 3,066,715
SINGH, VIVEK 3,066,311
SINGLE BUOY MOORINGS INC. 3,066,630
SINIK, KEREN 3,066,972
SINKULAR, JASMIN JIJINA 3,066,258
SIU, BERNARD FAI KIN 3,066,476
SIU, MEREK C. 3,066,483
SIU, MEREK C. 3,066,815
SKINNER, GARY MARK 3,066,535
SKINNER, GARY MARK 3,066,734
SKINNER, GARY MARK 3,066,815
SKRALY, FRANK ANTHONY 3,066,220

SKRALY, FRANK ANTHONY 3,066,470
SKREDE, GRETE 3,066,908
SLEPCHENKOV, MIKHAIL 3,066,387
SLEPCHENKOV, MIKHAIL 3,066,434
SLINDE, ERIK 3,066,908
SLOAN WATER TECHNOLOGY LIMITED 3,066,184
SLOAN, DEREK 3,065,328
SLUKVIN, IGOR 3,066,799
SMART BEAT PROFITS LIMITED 3,066,704
SMART BEAT PROFITS LIMITED 3,066,705
SMART INSTALLATIONS AS 3,066,889
SMEETS, NIELS MATHIEU BARBARA 3,066,629
SMITH & NEPHEW PLC 3,066,073
SMITH, BRENDAN GERARD 3,066,243
SMITH, DAMIAN 3,066,073
SMITH, DAVID BRUCE 3,066,617
SMITH, GREGORY 3,066,168
SMITH, GREGORY HOWARD 3,066,116
SMITH, JILL P. 3,066,756
SMITH, TIMOTHY R. 3,066,524
SNELL, KRISTI D. 3,066,220
SNELL, KRISTI D. 3,066,470
SNELSON, KEEDA 3,066,905
SNIPES, ROSE GUNTER 3,066,298
SOBREIRA CORREIA, ILIDIO JOAQUIM 3,066,321
SOCIETE DES PRODUITS NESTLE S.A. 3,066,879
SOCIETE DES PRODUITS NESTLE S.A. 3,066,886
SOCIETES DES PRODUITS NESTLE S.A. 3,066,847
SOCOLOVSKY, RUBEN 3,066,985
SODERQVIST, SVEN-GUNNAR 3,066,845
SOLA, KYLE 3,066,467
SOMAYAJI, VINU 3,066,678
SOMEPALLI, BHARGAV 3,066,988
SON, SU JIN 3,066,717
SONG, LIMING 3,066,860
SONNE, KIM 3,066,523
SOONG, THEODORE 3,066,649
SORENSEN, CHARLES MITCHEL 3,066,883
SOUCY INTERNATIONAL INC. 3,066,319
SOUTH CHINA INSTITUTE OF ENVIRONMENTAL SCIENCES.MEP 3,053,603
SPALTEN, RANDY 3,066,254
SPANDLEY, LUKE 3,066,684
SPANDLEY, LUKE 3,066,694
SPARK THERAPEUTICS, INC. 3,066,358
SPARX SMART PODS INC. 3,066,494
SPEEDX PTY LTD 3,066,287
SPEERSCHNEIDER, AIMEE CROMBIE 3,066,423
SPILGIES, HEIKO 3,066,515
SPOHN, MICHAEL 3,066,780
SPRICK, WILLIAM D. 3,066,564
SQUINZI, MARCO 3,066,508
SRINIVASAN, BALAJI 3,066,988
ST. MICHAEL'S HOSPITAL 3,066,002
STAAL, MAARTEN 3,066,958
STAAL, MAARTEN 3,066,989
STAAL, MAARTEN 3,066,990
STAAL, MAARTEN 3,066,991
STALEY, TRAVIS 3,066,757
STAMPS.COM INC. 3,066,472
STANISLAUS, SHANAKA 3,066,251
STANSFIELD, IAN 3,066,166
STARIKOV, IVAN ALEKSANDROVICH 3,066,604
STARK, DANIEL JOSHUA 3,066,225
STARK, DANIEL JOSHUA 3,066,887
STAUB, SELINE 3,066,303
STECK, JURG 3,066,303
STEEMERS, FRANK J. 3,066,424
STEENHUIS, ANDRE LUUR JAN 3,066,363
STEFAN, GABRIEL 3,066,291
STEFANCHIK, DAVID 3,066,471
STEIN, ANDREW MARC 3,066,747
STEINBECK, MARTIN 3,066,686
STEINBERG, BARRETT ETHAN 3,065,813
STEINER, JAMES 3,066,765
STEINER, JAMES P. 3,066,729
STEINMAIR, GERNOT 3,066,258
STELTER, ACHIM 3,066,186
STENGEL, BRUNO FREDERIC 3,066,727
STENGEL, GUDRUN 3,066,708
STENHOLT, LARS 3,066,399
STENSON, PHILIP ANDREW 3,066,974
STEPHENSON, HEATHER 3,065,328
STESZYN, MICHAEL 3,066,467
STEWARD, DANIEL LEE 3,066,082
STJERNSCHANTZ, CAMILLA 3,066,196
STOCKIGT, DETLEF 3,066,859
STRAKA, ADRIAN 3,066,291
STRATOSPHERE, S.A. 3,066,724
STREIT, URSINA 3,066,303
STRODER, MICHAEL 3,066,495
STRONG, MARK H. 3,066,578
STRONG, MARK H. 3,066,632
STROOP, HUBERT 3,066,183
STRUCTO PTE LTD 3,066,723
STRUVE, NICHOLAS 3,066,218
STUDER, SCOTT 3,066,238
STUKE, KAI MICHAEL 3,066,520
STURGIS, DAVID ARTHUR 3,066,177
SU, GUOGUANG 3,066,935
SU, JING 3,066,832
SU, JING 3,066,941
SU, YI 3,066,803
SUBARU CORPORATION 3,066,343
SUBRAMANIAN, KULANDAYAN, KASI 3,066,774
SUBRAMANIAN, SUNDAR 3,066,207
SUEHIRO, TAKAFUMI 3,066,616
SUGIMOTO, KAZUO 3,066,204
SUGIURA, YUKI 3,066,999
SULLIVAN, SHAWN THOMAS 3,066,745
SUN, JING 3,066,784
SUN, JING 3,066,897
SUN, JING 3,066,957
SUN, PICHRACHANA 3,066,344
SUNDARAM, LAKSSHMAN 3,066,775
SUNDBACK, CATHRYN A. 3,066,616
SUNDBACK, CATHRYN A. 3,066,624
SUNDT, THEA W 3,066,908
SUNTORY HOLDINGS LIMITED 3,066,340
SURFACE ONCOLOGY, INC. 3,066,774
SURYS 3,066,659
SUSSMAN, GLENN 3,066,888
SUTERS, ROBERTUS CHRISTIAAN JOSEPHUS 3,066,501
SUTHAR, MEGH 3,066,544
SUTTON, LYNDA 3,066,756
SUWANDI, LITA 3,066,969
SUWONO, BOYLE 3,066,723
SUZUKI, SHOICHI 3,066,995
SUZUKI, YUHEI 3,066,342
SVENSSON GELIUS, STEFAN 3,066,521
SWEDISH ORPHAN BIOVITRUM AB (PUBL) 3,066,521
SWEET SENSE INC. 3,066,119
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CASIO COMPUTER CO., LTD.	3,060,762
CELERA CORPORATION	3,060,628
CENOVUS ENERGY INC.	3,063,931
COLI, TODD	3,060,766
COOLEY, ROY J.	3,060,793
DEVLIN, JAMES J.	3,060,628
DRAGANI, JARRETT	3,063,931
EATON INTELLIGENT POWER LIMITED	3,060,304
EVOLUTION WELL SERVICES, LLC	3,060,766
GELL, DAVID	3,061,846
GRATZER, LOUIS B.	3,060,797
HESTAN COMMERCIAL CORPORATION	3,060,798
JORDAN, RICHARD K.	3,060,793
KASSAM, NADIM	3,063,931
KINLEN, PATRICK JOHN	3,060,801
KOEHLER, ERIC P.	3,060,793
LUKE, MAY	3,060,628
MANAHAN, JOSEPH MICHAEL	3,060,304
MATSUNAGA, KAZUHISA	3,060,762
MOBILE NEWMEDIA LTD.	3,060,802
NILSSEN, RAY	3,060,798
PENNER, DOUGLAS	3,060,805
RANDHAWA, TEJINDER S.	3,060,802
RICHARDS, JOHN	3,060,802
ROBERTS, MARK F.	3,060,793
RODDY, WARREN	3,061,846
ROSS, DAVID	3,060,628
SAPPER, ERIK DAVID	3,060,801
SCHELSKE, ELDON	3,060,766
SHIFFMAN, DOV	3,060,628
STANWOOD, KENNETH	3,061,846
THE BOEING COMPANY	3,060,801
VERIFI LLC	3,060,793
WENZEL, HANS F.	3,060,798
WI-LAN LABS, INC.	3,061,846
XU, HAIBO	3,061,846
ZHANG, XIN	3,063,931