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CIPO OPIC

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:

None

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

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

Aucun

9. Applications Open to Public Inspection

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 However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*.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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$260**

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **260 $**

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

* Les frais seront réduits de:

- **260 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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Date de modification : 17 juin 2019

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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 28, 2020 contains applications open to public inspection from January 12, 2020 to January 18, 2020.

15. Demandes canadiennes mises à la disponibilité du public

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

Canadian Patents Issued

January 28, 2020

Brevets canadiens délivrés

28 janvier 2020

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[54] **IDENTIFICATION AND ENGINEERING OF ANTIBODIES WITH VARIANT FC REGIONS AND METHODS OF USING SAME**
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[54] **DEVICE AND METHOD FOR SINGLE-NEEDLE IN VIVO ELECTROPORATION**
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[72] BELLEROSE, RENE, CA
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[54] **METHOD AND APPARATUS FOR ENHANCING DIGITAL VIDEO EFFECTS (DVE)**
[54] **PROCEDE ET APPAREIL POUR AMELIORER DES EFFETS VIDEO NUMERIQUES (DVE)**
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[54] **METHODE DE BALAYAGE, D'ANALYSE ET D'IDENTIFICATION DE SOURCES DE CHAMPS ELECTROMAGNETIQUES**
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[54] **POMPE A JET DESTINEE A SERVIR AVEC UN SYSTEME DE TUBAGE A RAMES MULTIPLES ET SA METHODE D'UTILISATION POUR LE NETTOYAGE ET L'ESSAI DE PUITS**
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[72] FLORES OROPEZA, EUGENIO ALEJANDRO, MX
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[54] **VARIANTS DE LOCI DES GENES CLU/APOJ, PICALM, ABCA7, CR1 ET BIN1 ET LE GROUPEMENT DU GENE MS4A SERVANT AU DIAGNOSTIC DE LA MALADIE D'ALZHEIMER**
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[54] **PROCEDES ET AGENCEMENTS UTILISES DANS UN RESEAU DE TELECOMMUNICATIONS MOBILES**
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[54] **ENCAPSULATION DE CELLULES NICHEES**
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[72] JOHNSON, CHRISTOPHER JAMES, GB
[72] ODENWALDER, PATRICK KLAUS, DE
[72] JAYASINGHE, SUWAN NALIN, GB
[73] PLASTICELL LTD,
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[54] **ENERGY STORAGE ON AN ELEVATED PLATFORM AND TRANSFER METHOD**
[54] **STOCKAGE D'ENERGIE SUR PLATEFORME SURELEVEE ET METHODE DE TRANSFERT**
[72] MCCABE, PAUL P., US
[72] RADLER, DANIEL G., US
[73] THE RAYMOND CORPORATION,
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[54] **SYSTEM AND METHOD FOR DISPOSING WASTE PACKAGES SUCH AS DIAPERS**
[54] **SYSTEME ET PROCEDE D'ELIMINATION DE PAQUETS DE DECHETS TELS QUE DES COUCHES-CULOTTES**
[72] DUNN, STEVEN B., US
[72] HATHERILL, MARK A., US
[72] JOHNSON, KEVIN D., US
[73] MUNCHKIN, INC.,
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[54] **TEMPERATURE CONTROL DEVICE**
[54] **DISPOSITIF DE CONTROLE THERMIQUE**
[72] CROTTEREAU, OLIVIER, FR
[72] FERNANDEZ, JOSE, FR
[73] WINTECH,
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[54] **FORMLATION D'HUILE LUBRIFIANTE COMPORTANT DU DISTILLAT PARAFFINEUX, DE L'HUILE DE RICIN ET DE L'HUILE DE LIN**
[72] NACSON, SABATINO, CA
[73] NACSON, SABATINO,
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[54] **RADIO FREQUENCY IDENTIFICATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IDENTIFICATION PAR RADIOFREQUENCE**
[72] RAPTIS, MARK, US
[72] ROSS, GRAHAM, US
[73] CAREFUSION 303, INC.,
[85] 2012-07-17
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[54] **PEPTIDOMIMETIQUES FIXES AU BRIN MATRICE AYANT UNE ACTIVITE MODULATRICE DES CXCR7**
[72] GOMBERT, FRANK OTTO, CH
[72] LEDERER, ALEXANDER, CH
[72] LOEWE, RALF, CH
[72] OBRECHT, DANIEL, CH
[72] ROMAGNOLI, BARBARA, CH
[72] ZIMMERMANN, JOHANN, DE
[72] PATEL, KALPANA, FR
[73] POLYPHOR AG,
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[54] **ACCESSORY CROSS BAR FOR A BICYCLE TRAILER**
[54] **BARRE TRANSVERSALE ACCESSOIRE POUR REMORQUE DE VELO**
[72] BRITTON, DANIEL W., CA
[72] FLEMING, WESLEY JUSTIN, CA
[72] SINGH, PARAMJIT, CA
[73] THULE CHILD TRANSPORT SYSTEMS LTD.,
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[54] **METHOD FOR LOAD REGULATION OF AN AMMONIA PLANT**
[54] **METHODE DE REGULATION DE CHARGE D'UNE USINE D'AMMONIAC**
[72] OSTUNI, RAFFAELE, IT
[72] ZARDI, FEDERICO, IT
[73] CASALE SA,
[86] (2790545)
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[25] EN
[54] **MODULAR FRAME FOR FASTENING A CONDUIT AT A CONSTRUCTION PART**
[54] **CADRE MODULAIRE POUR FIXER UN CONDUIT A UNE PIECE DE CONSTRUCTION**
[72] MONDEN, THOMAS, DE
[73] HILTI AKTIENGESELLSCHAFT,
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[54] **ERGONOMIC, SHOCK ABSORBING HAND GRIP**
[54] **POIGNEE ERGONOMIQUE ABSORBANT LES CHOCS**
[72] DOHERTY, SARAH, CA
[72] PERREUR-LLOYD, KERITH, CA
[72] POERSCHKE, BARBARA, CA
[73] SIDESTIX VENTURES INC.,
[86] (2792886)
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[54] **REMOVABLE PUSH ELECTRICAL FITTING FOR ELECTRICAL METALLIC TUBING OR EMT HAVING IMPROVED PULLOUT RESISTANCE**
[54] **RACCORD ELECTRIQUE ENFONCE AMOVIBLE POUR TUBAGE METALLIQUE ELECTRIQUE OU TUBAGE METALLIQUE ELECTRIQUE AYANT UNE RESISTANCE AMELIOREE A L'EXTRACTION**
[72] SMITH, LAWRENCE J., US
[73] BRIDGEPORT FITTINGS, INC.,
[86] (2795576)
[87] (2795576)
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[54] **METHOD FOR PIPELINE INSPECTION**
[54] **METHODE D'INSPECTION DE PIPELINE**
[72] BATZINGER, THOMAS JAMES, GB
[72] SUTHERLAND, JEFFREY EARLE, GB
[72] BAUERNSCHMITT, RUEDIGER, GB
[72] HUGGER, ACHIM, GB
[72] PAIGE, DAVID MARTIN, GB
[73] PII LIMITED,
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[25] EN
[54] **METHOD OF ANALYSING A CELL OR OTHER BIOLOGICAL MATERIAL CONTAINING A NUCLEIC ACID**
[54] **PROCEDE D'ANALYSE D'UNE CELLULE OU D'UN AUTRE MATERIEL BIOLOGIQUE CONTENANT UN ACIDE NUCLEIQUE**
[72] SMITH, PAUL JAMES, GB
[72] ERRINGTON, RACHEL J., GB
[72] PATTERSON, LAURENCE HYLTON, GB
[73] BIOSTATUS LIMITED,
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[54] **SYSTEM AND METHOD FOR POWER DISTRIBUTION**
[54] **SYSTEME ET METHODE DE DISTRIBUTION D'ALIMENTATION**
[72] SIHLER, CHRISTOF, US
[72] ROSADO, SEBASTIAN PEDRO, US
[73] GENERAL ELECTRIC COMPANY,
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[54] **METHOD TO CONTROL ELECTRONIC EXPANSION VALVE**
[54] **PROCEDE PERMETTANT DE COMMANDER UNE SOUPAPE D'EXPANSION ELECTRONIQUE**
[72] QU, YI, US
[72] CRAWFORD, CARL, US
[73] LENNOX INDUSTRIES INC.,
[86] (2798399)
[87] (2798399)
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[54] **APPARATUS FOR DETERMINING AN AIR TEMPERATURE**
[54] **APPAREIL POUR DETERMINER UNE TEMPERATURE D'AIR**
[72] PARSONS, JOHN PATRICK, US
[73] UNISON INDUSTRIES, LLC,
[86] (2798810)
[87] (2798810)
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[54] **A CRYSTALLINE FORM OF (R)-7-CHLORO-N-(QUINUCLIDIN-3-YL)BENZO[B]THIOPHENE-2-CARBOXAMIDE HYDROCHLORIDE MONOHYDRATE**
[54] **FORME CRISTALLINE DE MONOHYDRATE D'HYDROCHLORURE DE (R)-7-CHLORO-N-(QUINUCLIDIN-3-YL)BENZO[B]THIOPHENE-2-CARBOXAMIDE**
[72] OLIVER-SHAFFER, PATRICIA, US
[72] SHAPIRO, GIDEON, US
[72] CHESWORTH, RICHARD, US
[72] KISHIDA, MUNEKI, JP
[72] ISHIGE, TAKAYUKI, JP
[73] FORUM PHARMACEUTICALS INC.,
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[54] **REACTIVE POWER CONTROLLER FOR CONTROLLING REACTIVE POWER IN A WIND FARM**
[54] **REGULATEUR DE PUISSANCE REACTIVE POUR REGULER LA PUISSANCE REACTIVE DANS UN PARC EOLIEN**
[72] KIRCHNER, ANDREAS, DE
[72] UBBEN, ENNO, DE
[72] BRAAM, THOMAS, DE
[73] GENERAL ELECTRIC COMPANY,
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[54] **RESPIRATORY SYNCYTIAL VIRUS ANTIGENIC COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ANTIGENIQUES DU VIRUS RESPIRATOIRE SYNCYTIAL ET METHODES ASSOCIEES**
[72] POWELL, THOMAS J., US
[72] BOYD, JAMES GORHAM, US
[73] ARTIFICIAL CELL TECHNOLOGIES, INC.,
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[54] **CYSTEAMINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF NASH**
[54] **DERIVES CYSTEAMINE ET LEUR UTILISATION DANS LE TRAITEMENT DE STEATOPATHIES NON ALCOOLIQUES (NASH)**
[72] KANDULA, MAHESH, IN
[73] KRISANI BIOSCIENCES (P) LTD,
[85] 2012-11-30
[86] 2011-06-03 (PCT/IB2011/001550)
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[54] **FOLLICULOSTIMULINE (FSH) RECOMBINANTE HUMAINE AMELIOREE**
[72] GOLETZ, STEFFEN, DE
[72] STOCKL, LARS, DE
[73] GLYCOTOPE GMBH,
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[54] **INJECTION MOLDING PROCESS AND PRODUCT PRODUCED USING THE SAME**
[54] **PROCEDE DE MOULAGE PAR INJECTION ET PRODUIT OBTENU SELON CE PROCEDE**
[72] FELTS, JOHN T., US
[72] GIRAUD, JEAN-PIERRE, US
[72] FISK, THOMAS, US
[72] FERGUSON, JOHN, US
[72] FREEDMAN, JONATHAN, US
[72] PANGBORN, ROBERT, US
[72] SAGONA, PETER, US
[72] RABINNE, BRUCE, FR
[72] PICHOT, HERVE, FR
[72] ABRAMS, ROBERT, US
[73] SIO2 MEDICAL PRODUCTS, INC.,
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[54] **INTERLAMINAR STRESS REDUCING CONFIGURATION FOR COMPOSITE TURBINE COMPONENTS**
[54] **CONFIGURATION REDUISANT LA CONTRAINTE INTERLAMINAIRE POUR DES COMPOSANTS DE TURBINES COMPOSITES**
[72] JAMISON, JOSHUA BRIAN, US
[73] GENERAL ELECTRIC COMPANY,
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[25] EN
[54] **PROCESS AND APPARATUS FOR SPINNING FIBRES AND IN PARTICULAR FOR PRODUCING A FIBROUS-CONTAINING NONWOVEN**
[54] **PROCEDE ET APPAREIL DESTINES A FILER DES FIBRES ET, EN PARTICULIER, A PRODUIRE UN NON-TISSE CONTENANT DES FIBRES**
[72] BOSCOLO, GALLIANO, IT
[73] BOMA ENGINEERING SRL,
[85] 2013-02-05
[86] 2011-08-10 (PCT/EP2011/063770)
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[54] **SNOWMOBILE STEERING SKI**
[54] **SKI DE DIRECTION POUR MOTONEIGE**
[72] HANDFIELD, ROBERT, CA
[72] BESSETTE, ROBERT, CA
[73] KIMPEX INC.,
[86] (2809170)
[87] (2809170)
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[54] **HEAT EXCHANGER USING NON-PURE WATER FOR STEAM GENERATION**
[54] **ECHANGEUR DE CHALEUR UTILISANT DE L'EAU NON PURE POUR LA GENERATION DE VAPEUR**
[72] NATERER, GREG, CA
[72] WANG, ZHAOLIN, CA
[72] SECNIK, EDWARD, CA
[73] NATERER, GREG,
[73] WANG, ZHAOLIN,
[73] SECNIK, EDWARD,
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[54] **A DEVICE FOR TRAVERSING AN OBJECT**
[54] **DISPOSITIF POUR PENETRER DANS UN OBJET**
[72] HAYDEN, GARY JAMES, AU
[73] WHITE PUMA PTY LIMITED,
[85] 2013-04-18
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[54] **PRODUCTS WITH IMPROVED FOAMING PROPERTIES**
[54] **PRODUITS AUX PROPRIETES MOUSSANTES AMELIOREES**
[72] MORA, FREDERICO, CH
[72] LELOUP, VALERIE MARTINE JEANINE, CH
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2013-05-17
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[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING CHOCOLATE CORES**
[54] **APPAREIL ET PROCEDE POUR PRODUIRE DES COEURS DE CHOCOLAT**
[72] HOCHAPFEL, BIRK, DE
[72] HILKER, ERHARD, DE
[73] CHOCOTECH GMBH,
[86] (2822101)
[87] (2822101)
[22] 2013-07-24
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[25] EN
[54] **DIAGNOSTIC DRUG AND DIAGNOSTIC METHOD FOR ALZHEIMER'S DISEASE**
[54] **MEDICAMENT DE DIAGNOSTIC ET PROCEDE DE DIAGNOSTIC POUR LA MALADIE D'ALZHEIMER**
[72] HASHIMOTO, MASAKAZU, JP
[72] NAKAGAWA, HIROYUKI, JP
[72] AOKI, MIKIO, JP
[72] TJERNBERG, LARS O., SE
[72] WINBLAD, BENGT, SE
[73] SUMITOMO DAINIPPON PHARMA CO., LTD.,
[85] 2013-06-27
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[54] **HEADBAND WITH 360-DEGREE GLITTER PATTERN**
[54] **SERRE-TETE A MOTIF DE SCINTILLEMENT SUR 360 DEGRES**
[72] PASSARELLO, DARI, US
[73] SPARKLY SOUL INC.,
[85] 2013-07-09
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[54] **CHEMICAL CARBON DIOXIDE GAS GENERATOR**
[54] **GENERATEUR DE DIOXYDE DE CARBONE GAZEUX CHIMIQUE**
[72] VAN VLIET, LAURENS DANIEL, NL
[72] VAN PUL-VERBOOM, VIOLA, NL
[72] SCHUURBIERS, CORNELIS ANTHONIUS HUBERTUS, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOETNO,
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[51] **Int.Cl. B65B 59/00 (2006.01) B65B 27/00 (2006.01) B65B 35/30 (2006.01)**
[25] EN
[54] **AUTOMATED PALLETIZATION METHOD, SYSTEM AND SOFTWARE**
[54] **PROCEDE, SYSTEME ET LOGICIEL DE PALETTISATION AUTOMATISEE**
[72] PRIEBE, BRIAN, CA
[72] MILLAR, ROBERT, CA
[73] LIQUOR CONTROL BOARD OF ONTARIO,
[86] (2826533)
[87] (2826533)
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[54] **FIBER OPTIC ADAPTER MOUNT**
[54] **SUPPORT POUR ADAPTATEUR DE FIBRE OPTIQUE**
[72] COX, TERRY D., US
[72] FABRYKOWSKI, GRZEGORZ, PL
[72] MATTHIES, JURGEN, DE
[72] RODRIGUEZ, DIANA, US
[73] CORNING OPTICAL COMMUNICATIONS LLC,
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[25] EN
[54] **PLASTIC PROTECTIVE AND DECORATIVE PANELS HAVING IMPROVED RESISTANCE TO HEAT BUILD**
[54] **PANNEAUX DE PLASTIQUE PROTECTEURS ET DECORATIFS PRESENTANT UNE RESISTANCE SUPERIEURE A L'ACCUMULATION DE CHALEUR**
[72] BUEHNE, WILLIAM J., US
[73] CCL LABEL, INC.,
[86] (2830597)
[87] (2830597)
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[54] **CURRENT DIFFERENTIAL PROTECTION**
[54] **PROTECTION DE DIFFERENTIEL DE COURANT**
[72] PAN, YAN, US
[72] PREMERLANI, WILLIAM JAMES, US
[73] GENERAL ELECTRIC COMPANY,
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[87] (2831115)
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[54] **APPARATUS AND METHOD FOR MAKING A WINDOW COVERING HAVING OPERABLE VANES**
[54] **DISPOSITIF ET PROCEDE PERMETTANT DE REALISER UN COUVRE-FENETRE DOTE DE DEFLECTEURS MOBILES**
[72] COLSON, WENDELL B., US
[72] FOGARTY, DANIEL M., US
[72] DANN, KEVIN M., US
[72] HARTMAN, DAVID P., US
[72] KOVACH, JOSEPH E., US
[73] HUNTER DOUGLAS INC.,
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[54] **METHOD AND APPARATUS FOR MOUNTING A PRINTING PLATE**
[54] **PROCEDE ET APPAREIL DE MONTAGE D'UNE PLAQUE D'IMPRESSION**
[72] LEADER, CHARLES BURLEIGH, US
[72] EDDY, JAMES R., US
[72] MANZELLA, MICHAEL J., US
[72] CASLER, DAVID L., US
[73] LEADER ENGINEERING-FABRICATION, INC.,
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[54] **INSULATION FORMULATIONS**
[54] **FORMULATIONS D'ISOLANT**
[72] ESSEGHIR, MOHAMED, US
[72] HARRIS, WILLIAM J., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
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[54] **AUTOMATED CREDENTIALING OF DEVICE NEWLY ADDED TO A NETWORK**
[54] **ACCREDITATION AUTOMATISEE D'UN DISPOSITIF NOUVELLEMENT AJOUTE A UN RESEAU**
[72] FARBER, JORDAN ARI, US
[73] THE CHAMBERLAIN GROUP, INC.,
[86] (2836172)
[87] (2836172)
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[54] **MARINE THREAT MONITORING AND DEFENSE SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET DE DEFENSE CONTRE LES MENACES MARITIMES**
[72] GAGLIARDI, JOSEPH R., US
[72] FLYNN, DES, GB
[72] GRANT, JOHN, GB
[73] ION GEOPHYSICAL CORPORATION,
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF CHLORINATED PROPENES**
[54] **PROCEDE POUR LA PRODUCTION DE PROPENES CHLORES**
[72] TIRTOWIDJOJO, MAX MARKUS, US
[72] KRUPER, WILLIAM J., JR., US
[72] FISH, BARRY B., US
[72] LAITAR, DAVID STEPHEN, US
[73] BLUE CUBE IP LLC,
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[54] **COMPONENT WITH MULTIPLE LAYERS**
[54] **COMPOSANTE A COUCHES MULTIPLES**
[72] GROSS, ANDREW, US
[72] WIGHTMAN, LEONA, US
[73] SERTA, INC.,
[86] (2839603)
[87] (2839603)
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[54] **METHOD FOR STARTING A TURBOMACHINE THAT REDUCES THE THERMAL IMBALANCE**
[54] **PROCEDE DE DEMARRAGE D'UNE TURBOMACHINE REDUISANT LE BALOURD THERMIQUE**
[72] MOUZE, YANN, FR
[72] BATLLE, FREDERIC FERDINAND JACQUES, FR
[72] HAEHNER, EDGAR, FR
[72] SEGURA, FREDERIC, FR
[73] TURBOMECA,
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[25] EN
[54] **BINDER COMPOSITION FOR AGGLOMERATION OF FINE MINERALS AND PELLETIZING PROCESS**
[54] **COMPOSITION LIANTE DESTINEE A L'AGGLOMERATION DE MINERAIS FINS ET PROCEDE DE PELLETISATION**
[72] DILSKY, STEFAN, DE
[72] TOOGE, CARLOS AUGUSTO BLASQUES, BR
[72] ARIAS MEDINA, JORGE ANTONIO, BR
[72] BARTALINI, NILSON MAR, BR
[72] SANTOS, ALMIR T., BR
[72] DA SILVA, WAGNER CLAUDIO, BR
[72] SPECK CASSOLA, MONICA, BR
[73] CLARIANT FINANCE (BVI) LIMITED,
[73] CLARIANT S.A.,
[85] 2014-01-20
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[54] **HYDROGEL MATERIALS INCORPORATING ELUTING CERAGENIN COMPOUND**
[54] **MATERIAUX HYDROGEL CONTENANT UN COMPOSE CERAGENINE D'ELUTION**
[72] SAVAGE, PAUL B., US
[73] BRIGHAM YOUNG UNIVERSITY,
[85] 2014-01-20
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[54] **SUPPORT MODULE FOR AN UNDERWATER ANTENNA**
[54] **MODULE DE SUPPORT DESTINE A UNE ANTENNE SOUS-MARINE**
[72] JUNGE, WILFRIED, DE
[72] MINSCHKE, MIKE, DE
[73] ATLAS ELEKTRONIK GMBH,
[85] 2014-01-20
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[54] **SYSTEMS AND METHODS FOR TREATING A TISSUE SITE WITH REDUCED PRESSURE INVOLVING A REDUCED-PRESSURE INTERFACE HAVING A CUTTING ELEMENT**
[54] **SYSTEMES ET METHODES DE TRAITEMENT D'UN SITE TISSULAIRE AU MOYEN D'UNE PRESSION REDUITE, IMPLIQUANT UNE INTERFACE A PRESSION REDUITE DOTEE D'UN ELEMENT DE DECOUPE**
[72] TOUT, AIDAN MARCUS, GB
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] ROBINSON, TIMOTHY MARK, GB
[73] KCI LICENSING, INC.,
[85] 2014-01-27
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[51] **Int.Cl. H04L 12/733 (2013.01) H04L 12/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RESILIENT ROUTING OF CONTROL TRAFFIC IN A SPLIT-ARCHITECTURE SYSTEM**
[54] **PROCEDE ET APPAREIL PERMETTANT UN ROUTAGE FLEXIBLE D'UN TRAFIC DE CONTROLE DANS UN SYSTEME A ARCHITECTURE DIVISEE**
[72] BEHESHTI-ZAVAREH, NEDA, US
[72] ZHANG, YING, US
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL),
[85] 2014-01-28
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[54] **AUTOMATIC FAUCETS**
[54] **ROBINETS AUTOMATIQUES**
[72] HERBERT, KAY, US
[72] MO, XIAOXIONG, US
[72] KRULL, JEFF, US
[72] DAHER, JEAN F., US
[72] CHEN, QIAOHONG, US
[72] VISH, RONALD J., US
[72] GULER, FATIH, US
[72] WANG, XU, US
[73] SLOAN VALVE COMPANY,
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[25] EN
[54] **RECOVERY OF CARBOXYLIC ACID FROM THEIR MAGNESIUM SALTS BY PRECIPITATION USING HYDROCHLORIC ACID, USEFUL FOR FERMENTATION BROTH WORK-UP**
[54] **RECUPERATION D'ACIDE CARBOXYLIQUE A PARTIR DE SES SELS DE MAGNESIUM PAR PRECIPITATION EN UTILISANT DE L'ACIDE CHLORHYDRIQUE, UTILE POUR LA PURIFICATION DE BOUILLON DE FERMENTATION**
[72] DE HAAN, ANDRE BANIER, NL
[72] VAN BREUGEL, JAN, NL
[72] VAN DER WEIDE, PAULUS LODUVICUS JOHANNES, NL
[72] JANSEN, PETER PAUL, NL
[72] VIDAL LANCIS, JOSE MARIA, NL
[72] CERDA BARO, AGUSTIN, NL
[73] PURAC BIOCHEM B.V.,
[85] 2014-02-04
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[30] EP (11177633.2) 2011-08-16
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[54] **POUDRES CERMET**
[72] ZIMMERMANN, STEFAN, DE
[72] GRIES, BENNO, DE
[73] H.C. STARCK SURFACE TECHNOLOGY AND CERAMIC POWDERS GMBH,
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[25] EN
[54] **RECEPTION DEVICE, RECEPTION METHOD, PROGRAM, AND INFORMATION PROCESSING SYSTEM**
[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION, PROGRAMME ET SYSTEME DE TRAITEMENT DE DONNEES**
[72] KITAZATO, NAOHISA, JP
[73] SONY CORPORATION,
[85] 2014-02-13
[86] 2012-09-03 (PCT/JP2012/072354)
[87] (WO2013/042531)
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[51] **Int.Cl. F23N 5/12 (2006.01) F23N 1/00 (2006.01)**
[25] EN
[54] **WATER HEATING DEVICE AND METHOD FOR MEASURING A FLAME CURRENT IN A FLAME IN A WATER HEATING DEVICE**
[54] **DISPOSITIF DE CHAUFFAGE D'EAU ET PROCEDE POUR MESURER UN COURANT DE FLAMME D'UNE FLAMME DANS UN DISPOSITIF DE CHAUFFAGE D'EAU**
[72] BARELS, HARM HENDRIK, NL
[73] INTERGAS HEATING ASSETS B.V.,
[85] 2014-02-17
[86] 2012-08-28 (PCT/NL2012/050588)
[87] (WO2013/032324)
[30] NL (2007310) 2011-08-29

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[54] **SCAVENGING OXYGEN**
[54] **DESOXYGENATION**
[72] CARMICHAEL, ADRIAN JOHN, GB
[72] ELKIN, ANDREW, GB
[72] FROST, MARK, GB
[72] MOLONEY, STEVEN JOHN, GB
[72] OVEREND, ANDREW STUART, GB
[72] TATTUM, STEVEN BURGESS, GB
[73] COLORMATRIX HOLDINGS, INC.,
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[54] **A METHOD AND SYSTEM FOR 3D ROOT CANAL TREATMENT PLANNING**
[54] **PROCEDE ET SYSTEME DE PLANIFICATION D'UN TRAITEMENT DE CANAL RADICULAIRE EN 3D**
[72] VAN LIERDE, CARL, BE
[72] PATTIJN, VEERLE, BE
[72] VALLOTTON, PAUL-HENRI, CH
[73] MAILLEFER INSTRUMENTS HOLDING SARL,
[73] DENTSPLY IMPLANTS NV,
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[54] **REMOTE PROCESS EXECUTION MANAGEMENT**
[54] **GESTION D'EXECUTION DE PROCESSUS A DISTANCE**
[72] JENKINS, JONATHAN A., US
[72] TAYLOR, BRETT R., US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2014-03-13
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[25] EN
[54] **MATCHBOX OVEN**
[54] **FOUR EN BOITE D'ALLUMETTES**
[72] MCKEE, PHILIP R., US
[73] OVENTION, INC.,
[85] 2014-03-19
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[54] **POWDERED RESINS WITH FILLERS**
[54] **RESINES EN POUDRE AVEC DES CHARGES**
[72] BAXTER, PAUL S., US
[72] FOWLER, RAYMOND D., US
[72] COTHRAN, JOHN D., US
[72] BUNN, AUBRA K., US
[73] GEORGIA-PACIFIC CHEMICALS LLC,
[85] 2014-03-24
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[25] EN
[54] **FORMING INSULATED CONDUCTORS USING A FINAL REDUCTION STEP AFTER HEAT TREATING**
[54] **FORMATION DE CONDUCTEURS ISOLES METTANT EN OEUVRE UNE ETAPE DE REDUCTION FINALE APRES TRAITEMENT THERMIQUE**
[72] NOEL, JUSTIN MICHAEL, US
[72] SHAFFER, ROBERT ANTHONY, US
[72] DE ST. REMEY, EDWARD EVERETT, US
[72] HERRERA, GILBERT LUIS, US
[72] CRANEY, TREVOR ALEXANDER, US
[72] HARLEY, ROBERT GUY, US
[72] ARORA, DHRUV, US
[72] BURNS, DAVID BOOTH, US
[73] SALAMANDER SOLUTIONS INC.,
[85] 2014-04-01
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[30] US (61/544,797) 2011-10-07

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[13] C
[51] **Int.Cl. E04G 7/30 (2006.01) E04G 7/32 (2006.01) E04G 7/34 (2006.01)**
[25] EN
[54] **COUPLING MEMBER FOR SCAFFOLDINGS**
[54] **ELEMENT D'ACCOUPLEMENT POUR ECHAFAUDAGES**
[72] WALLTHER, HARRY, SE
[73] PLUSEIGHT TECHNOLOGY AB,
[85] 2014-04-02
[86] 2012-09-27 (PCT/SE2012/051033)
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[30] SE (1150930-4) 2011-10-10

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[13] C
[51] **Int.Cl. G01R 27/22 (2006.01) G01N 27/08 (2006.01)**
[25] EN
[54] **CONDUCTIVITY MEASUREMENT OF FLUIDS**
[54] **MESURE DE CONDUCTIVITE DE FLUIDES**
[72] DRUGA, MICHAEL, US
[72] DUFF, JOHN ALAN, US
[72] SIMUNOVIC, JOSIP, US
[73] HBC HOLDING COMPANY, LLC,
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[25] FR
[54] **INERTIA WHEEL ARCHITECTURE FOR STORING**
[54] **ARCHITECTURE DE ROUE D'INERTIE POUR LE STOCKAGE D'ENERGIE**
[72] CAVALIERE, FREDERIC, FR
[72] ALIAGA, DANIEL, FR
[72] SAINT MLEUX, MICHEL, FR
[73] LEVISYS,
[73] EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE,
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[51] **Int.Cl. G05D 23/19 (2006.01) F24F 11/88 (2018.01)**
[25] EN
[54] **THERMOSTAT WITH WIRING TERMINALS CONFIGURED FOR SPATIAL COMPACTNESS AND EASE OF WIRE INSTALLATION**
[54] **THERMOSTAT AVEC BORNES DE CABLAGE CONFIGUREES POUR UNE COMPACITE SPATIALE ET UNE INSTALLATION FACILE DES FILS**
[72] FILSON, JOHN BENJAMIN, US
[72] DANIELS, ERIC B., US
[72] HUPPI, BRIAN, US
[72] SLOO, DAVID, US
[73] GOOGLE LLC,
[85] 2014-04-22
[86] 2012-09-22 (PCT/US2012/056765)
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[25] FR
[54] **TURBINE ENGINE COMPRISING AN ELECTRICALLY ACTIVATED FUEL SUPPLY PUMP, AND TURBINE ENGINE FUEL SUPPLY METHOD**
[54] **TURBOMACHINE COMPORTANT UNE POMPE D'ALIMENTATION EN CARBURANT A ACTIVATION ELECTRIQUE ET PROCEDE D'ALIMENTATION EN CARBURANT D'UNE TURBOMACHINE**
[72] LINDEMAN, JEAN, FR
[72] BENEZECH, PHILIPPE JEAN RENE MARIE, FR
[72] FREALLE, JEAN-LUC CHARLES GILBERT, FR
[72] MOINE, BERTRAND, FR
[73] TURBOMECA,
[85] 2014-04-24
[86] 2012-11-28 (PCT/FR2012/052742)
[87] (WO2013/098498)
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[51] **Int.Cl. G11C 16/02 (2006.01) G11C 16/06 (2006.01)**
[25] EN
[54] **MEMORY LIFE EXTENSION SYSTEM AND METHOD**
[54] **SYSTEME DE PROLONGATION DE LA DUREE UTILE DE LA MEMOIRE ET METHODE**
[72] DONG, YI, CA
[73] LEVVEN AUTOMATION INC.,
[86] (2854055)
[87] (2854055)
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[25] EN
[54] **TUBE FOR STORING UNIT DOSES OF A DRUG, METHOD AND DEVICE FOR FILLING SAME AND DISPENSING CABINET USING SAME**
[54] **TUBE DE STOCKAGE DE DOSES UNITAIRES DE MEDICAMENT, PROCEDE ET DISPOSITIF DE REMPLISSAGE DE CE TUBE ET ARMOIRE DE DISTRIBUTION COMPRENANT CE TUBE**
[72] LOPEZ LOSADA, RAFAEL MARIA, ES
[72] ARGUELLO MARTINEZ, JOSE MARIA, ES
[72] MONTERDE JUNYENT, JOSEP, ES
[72] MARTINEZ CUTILLAS, JULIO, ES
[73] ISISH HEALTHCARE SYSTSEM, S.L.,
[85] 2014-05-06
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[25] EN
[54] **IMPROVED EFFICIENCY HEATING, VENTILATING, AND AIR CONDITIONING THROUGH INDIRECT EXTENSION OF COMPRESSOR RUN TIMES**
[54] **RENDEMENT AMELIORE DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION PAR EXTENSION INDIRECTE DE TEMPS DE FONCTIONNEMENT DE COMPRESSEUR**
[72] CHILDS, JOSEPH E., US
[72] ROGNLI, ROGER W., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-05-16
[86] 2012-11-19 (PCT/US2012/065880)
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[30] US (61/561,609) 2011-11-18

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[25] FR
[54] **ANTI-REFLECTING LINING STRUCTURE WITH A DIFFRACTION GRATING USING RESONANT ELEMENTS**
[54] **STRUCTURE DE REVETEMENT ANTI-REFLEXION A RESEAU DE DIFFRACTION UTILISANT DES ELEMENTS RESONANTS**
[72] THAIN, ANDREW, FR
[72] PERES, GILLES, FR
[73] EUROPEAN AERONAUTIC DEFENCE AND SPACE COMPANY EADS FRANCE,
[85] 2014-05-26
[86] 2012-12-04 (PCT/EP2012/074382)
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[51] **Int.Cl. F16K 31/04 (2006.01) H02P 23/16 (2016.01) H02P 23/00 (2016.01)**
[25] EN
[54] **VAVLE ACTUATORS**
[54] **ACTIONNEURS DE SOUPAPE**
[72] COOPER, BRIAN, GB
[72] CLARKE, PETER GEORGE, GB
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-05-28
[86] 2012-11-27 (PCT/EP2012/073655)
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[30] GB (1120464.1) 2011-11-28

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[13] C
[51] **Int.Cl. F16K 31/40 (2006.01)**
[25] EN
[54] **SOLENOID PILOT VALVE FOR A HYDRAULIC VALVE, IN PARTICULAR FOR HOUSEHOLD APPLIANCES**
[54] **ELECTROVANNE PILOTE POUR UNE VANNE HYDRAULIQUE, EN PARTICULIER POUR DES APPAREILS MENAGERS**
[72] DA PONT, PAOLO, IT
[72] RAVEDATI, PAOLO, IT
[72] CAPIZZI, GIOSUE, IT
[72] RENDESI, MAURIZIO, IT
[72] PARIS, FABRIZIO, IT
[72] BOSIO, ROBERTO, IT
[72] DI BENEDETTO, FRANCESCO, IT
[73] ELBI INTERNATIONAL S.P.A.,
[85] 2014-05-28
[86] 2012-12-12 (PCT/IB2012/057231)
[87] (WO2013/088364)
[30] IT (TO2011A001148) 2011-12-14

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[51] **Int.Cl. C08F 2/38 (2006.01) C08F 4/38 (2006.01) C08F 10/02 (2006.01)**
[25] EN
[54] **INTERPOLYMER COMPOSITIONS AND METHODS FOR MAKING SAME**
[54] **COMPOSITIONS INTERPOLYMERIQUES ET SES PROCEDES DE FABRICATION**
[72] SENGUPTA, SAURAV S., US
[72] SMITH, MICHAEL L., US
[72] OSBY, JOHN O., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-06-11
[86] 2012-11-21 (PCT/US2012/066191)
[87] (WO2013/095862)
[30] US (61/578,590) 2011-12-21

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[25] EN
[54] **SEISMIC MONITORING**
[54] **SURVEILLANCE SISMIQUE**
[72] LUMENS, PAUL GERARD EDMOND, NL
[72] GRANDI, SAMANTHA, NL
[73] OPTASENSE HOLDINGS LIMITED,
[85] 2014-06-12
[86] 2012-12-19 (PCT/GB2012/053188)
[87] (WO2013/093460)
[30] GB (1122229.6) 2011-12-23

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[13] C
[51] **Int.Cl. A47L 15/44 (2006.01) A47L 15/14 (2006.01) A47L 15/46 (2006.01)**
[25] EN
[54] **A METHOD OF SEPARATING CHEMISTRIES IN A DOOR-TYPE DISHMACHINE**
[54] **PROCEDE DE SEPARATION DE COMPOSITIONS CHIMIQUES DANS UN LAVE-VAISSELLE DE TYPE A PORTE**
[72] MONSRUD, LEE J., US
[72] ELLINGSON, JEFFREY PAUL, US
[72] CARLSON, BRIAN PHILIP, US
[72] HOLZMAN, LOUIS MARK, US
[72] RUSTAD, THOMAS C., US
[72] HARTZ, ADRIAN EUGENE, US
[72] MAKENS, MATTHEW, US
[72] MATTIA, PAUL J., US
[72] CHAMBERLAIN, JAMES W., US
[73] ECOLAB USA INC.,
[85] 2014-06-13
[86] 2012-12-12 (PCT/US2012/069277)
[87] (WO2013/090445)
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[25] EN
[54] **METHOD FOR ISOLATING A CARBOXYLIC ACID FROM AN AQUEOUS SOLUTION**
[54] **PROCEDE POUR L'ISOLATION D'UN ACIDE CARBOXYLIQUE A PARTIR D'UNE SOLUTION AQUEUSE**
[72] DE HAAN, ANDRE BANIER, NL
[72] VAN KRIEKEN, JAN, NL
[72] DEKIC ZIVKOVIC, TANJA, NL
[73] PURAC BIOCHEM BV,
[85] 2014-06-18
[86] 2012-12-21 (PCT/EP2012/076741)
[87] (WO2013/093047)
[30] EP (11195691.8) 2011-12-23
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[25] EN
[54] **SLEEVE FOR A CABLE SPOOL**
[54] **MANCHON POUR UNE BOBINE DE CABLE**
[72] NAHM, CHANG YOON, AU
[73] FORETREK SYSTEMS PTY LTD,
[85] 2014-06-20
[86] 2012-12-21 (PCT/AU2012/001581)
[87] (WO2013/091013)
[30] AU (2011905375) 2011-12-22

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[25] EN
[54] **COMPOSITIONS FOR THE PRODUCTION OF A HYDROPHILIC POLYSTYRENE ARTICLE**
[54] **COMPOSITIONS POUR LA PRODUCTION D'UN ARTICLE DE POLYSTYRENE HYDROPHILE**
[72] KOLDITZ, PIRKO, DE
[73] CLARIANT FINANCE (BVI) LIMITED,
[85] 2014-07-04
[86] 2012-12-19 (PCT/EP2012/005264)
[87] (WO2013/102479)
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[25] EN
[54] **DISPERSANT FOR INORGANIC PARTICLES**
[54] **AGENT DISPERSANT POUR PARTICULES INORGANIQUES**
[72] DENGLER, JOACHIM, DE
[72] KRAUS, ALEXANDER, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH,
[85] 2014-07-10
[86] 2012-12-07 (PCT/EP2012/074797)
[87] (WO2013/104472)
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[25] EN
[54] **PYROTECHNIC PRESSURE ACCUMULATOR**
[54] **ACCUMULATEUR DE PRESSION PYROTECHNIQUE**
[72] COPPEDGE, CHARLES DON, US
[72] LOUVIER, DEWEY JAMES, US
[72] RONALDS, ANNA AZZOLARI, US
[72] RUMANN, HILDEBRAND A., US
[73] BASTION TECHNOLOGIES, INC.,
[85] 2014-07-16
[86] 2013-02-25 (PCT/US2013/027680)
[87] (WO2013/126903)
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[25] EN
[54] **WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE**
[54] **TRICOT A MAILLES JETEES COMPRENANT DU POLYTRIMETHYLENE TEREPHTALATE ET SON PROCEDE DE FABRICATION**
[72] ZHANG, LIZHI, CN
[73] DUPONT INDUSTRIAL BIOSCIENCES USA, LLC,
[85] 2014-07-16
[86] 2013-01-15 (PCT/US2013/021514)
[87] (WO2013/109513)
[30] CN (201210012455.6) 2012-01-16

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[25] FR
[54] **METHOD FOR DRAWING VITRIFIABLE MATERIALS**
[54] **PROCEDE DE FIBRAGE DE MATIERES VITRIFIABLES**
[72] MAUGENDRE, STEPHANE, FR
[72] SZALATA, FRANCOIS, FR
[72] CLATOT, RICHARD, FR
[73] SAINT-GOBAIN ISOVER,
[85] 2014-06-20
[86] 2012-12-18 (PCT/FR2012/052978)
[87] (WO2013/098504)
[30] FR (1162500) 2011-12-28

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[13] C
[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **FEED SYSTEM AND METHOD FOR THE FEEDING OF ANIMALS**
[54] **SYSTEME D'ALIMENTATION ET PROCEDE POUR L'ALIMENTATION D'ANIMAUX**
[72] WISSE, DIK-JAN, NL
[72] VAN KUILENBURG, JAN MARTINUS, NL
[72] VAN DEN BERG, KAREL, NL
[72] KIK, PIETER JACOB, NL
[73] LELY PATENT N.V.,
[85] 2014-07-22
[86] 2013-03-14 (PCT/NL2013/050175)
[87] (WO2013/157928)
[30] NL (2008671) 2012-04-20

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[51] **Int.Cl. F01D 5/14 (2006.01) F04D 29/32 (2006.01)**
[25] FR
[54] **JET ENGINE FAN BLADE**
[54] **AUBE POUR SOUFFLANTE DE TURBOREACTEUR**
[72] POUZADOUX, FREDERIC, FR
[72] BOIS, BEATRICE NATHALIE, FR
[72] ROUX, JEAN-MICHEL, FR
[72] TILL, FLORENT, FR
[73] SNECMA,
[85] 2014-07-22
[86] 2013-01-28 (PCT/FR2013/050168)
[87] (WO2013/114030)
[30] FR (1250838) 2012-01-30

[11] **2,862,361**
[13] C
[51] **Int.Cl. G16H 40/63 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPLAYING OBJECTS AT A MEDICAL TREATMENT APPARATUS DISPLAY SCREEN**
[54] **SYSTEMES ET PROCEDES D'AFFICHAGE D'OBJETS SUR L'ECRAN DE VISUALISATION D'UN APPAREIL DE TRAITEMENT MEDICAL**
[72] DOYLE, MATTHEW J., US
[72] PARNELL, NATHANIEL M., US
[72] BROWN, ALEX, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC.,
[85] 2014-07-22
[86] 2013-02-01 (PCT/US2013/024361)
[87] (WO2013/116660)
[30] US (13/365,714) 2012-02-03

[11] **2,863,511**
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[51] **Int.Cl. C03C 27/10 (2006.01) C03C 3/087 (2006.01) C03C 13/06 (2006.01)**
[25] FR
[54] **SIZING COMPOSITION FOR FIBRES, IN PARTICULAR MINERAL FIBRES, BASED ON HUMIC AND/OR FULVIC ACID, AND RESULTING INSULATING PRODUCTS**
[54] **COMPOSITION D'ENCOLLAGE POUR FIBRES, NOTAMMENT MINERALES, A BASE D'ACIDE HUMIQUE ET/OU FULVIQUE, ET PRODUITS ISOLANTS RESULTANTS**
[72] DIDIER, BENOIT, FR
[73] SAINT-GOBAIN ISOVER,
[85] 2014-07-09
[86] 2013-01-17 (PCT/FR2013/050109)
[87] (WO2013/107990)
[30] FR (1250463) 2012-01-17

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[13] C
[51] **Int.Cl. C02F 1/32 (2006.01) B67D 3/00 (2006.01)**
[25] EN
[54] **DISPENSING SPOUT WITH REVERSED FLOW ALLOWING UV WATER DISINFECTION**
[54] **BEC VERSEUR A ECOULEMENT INVERSE PERMETTANT LA DESINFECTION DE L'EAU PARUV**
[72] SABIN, STEPHEN JOHN, IE
[72] KENNEDY, JOHN FRANCIS, IE
[72] BUSICK, LOUIS M., US
[73] LVD ACQUISITION, LLC,
[85] 2014-08-21
[86] 2013-02-22 (PCT/US2013/027310)
[87] (WO2013/126692)
[30] US (61/602,376) 2012-02-23

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[13] C
[51] **Int.Cl. B01J 29/70 (2006.01) B01D 53/56 (2006.01) B01D 53/94 (2006.01) B01J 29/76 (2006.01) B01J 29/78 (2006.01)**
[25] EN
[54] **HYDROTHERMALLY STABLE, LOW-TEMPERATURE NOX REDUCTION NH3-SCR CATALYST**
[54] **CATALYSEUR NH3-SCR, DE REDUCTION DE NOX A BASSE TEMPERATURE, HYDROTHERMALEMENT STABLE**
[72] NARULA, CHAITANYA K., US
[72] YANG, XIAOFAN, US
[73] UT-BATTELLE, LLC,
[85] 2014-08-21
[86] 2013-02-22 (PCT/US2013/027206)
[87] (WO2013/126619)
[30] US (13/404,071) 2012-02-24

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[13] C
[51] **Int.Cl. C09J 201/10 (2006.01) C09J 7/20 (2018.01) C09J 7/30 (2018.01) A61L 15/58 (2006.01) C09J 11/00 (2006.01) C09J 133/00 (2006.01) C09J 145/00 (2006.01) C09J 193/04 (2006.01)**
[25] EN
[54] **BREATHABLE SELF-ADHESIVE ARTICLES**
[54] **ARTICLES AUTO-ADHESIFS PERMEABLES A L'AIR**
[72] GOUBARD, DAVID, FR
[73] BOSTIK SA,
[85] 2014-08-26
[86] 2012-03-12 (PCT/IB2012/000603)
[87] (WO2013/136108)

[11] **2,865,764**
[13] C
[51] **Int.Cl. B62D 61/12 (2006.01)**
[25] FR
[54] **ROAD TRAILER WITH ORIENTABLE SECONDARY WHEELSET**
[54] **REMORQUE ROUTIERE A TRAIN DE ROULAGE SECONDAIRE ORIENTABLE**
[72] SEGARD, JEAN-BAPTISTE, FR
[73] SEGARD, JEAN-BAPTISTE,
[85] 2014-08-27
[86] 2013-03-08 (PCT/IB2013/051864)
[87] (WO2013/132468)
[30] FR (12 52169) 2012-03-09

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[13] C
[51] **Int.Cl. F02C 7/224 (2006.01) F02C 3/04 (2006.01) F02K 3/06 (2006.01) F02M 31/08 (2006.01) F02M 31/125 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE FUEL HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE DE COMBUSTIBLE DE MOTEUR DE TURBINE A GAZ**
[72] OSORIO, OMAR I., US
[73] UNITED TECHNOLOGIES CORPORATION,
[85] 2014-08-28
[86] 2013-02-12 (PCT/US2013/025685)
[87] (WO2013/133935)
[30] US (13/413,419) 2012-03-06

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[13] C
[51] **Int.Cl. F16G 11/00 (2006.01) H02G 7/02 (2006.01)**
[25] EN
[54] **SIDE-LOADING STRAIGHT-LINE DEADEND CLAMP ASSEMBLY**
[54] **ENSEMBLE DE PINCE D'AMARRAGE EN LIGNE DROITE A CHARGE LATERALE**
[72] DIOP, SEYDOU, US
[72] ZELAZNY, PAUL FRANCIS, US
[72] REYNOLDS, SAMUEL PAUL, US
[73] HUBBELL INCORPORATED,
[85] 2014-08-28
[86] 2013-02-22 (PCT/US2013/027249)
[87] (WO2013/130346)
[30] US (13/410,430) 2012-03-02

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[13] C
[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/30 (2016.01) A23L 27/40 (2016.01)**
[25] EN
[54] **FOOD AND BEVERAGE PRODUCTS CONTAINING 1,3-PROPANEDIOL AND METHODS OF SUPPRESSING BITTERNESS AND ENHANCING SWEETNESS IN FOOD AND BEVERAGE PRODUCTS USING 1,3-PROPANEDIOL**
[54] **PRODUITS ALIMENTAIRES ET BOISSONS CONTENANT DU 1,3-PROPANEDIOL ET PROCEDES DE SUPPRESSION DE L'AMERTUME ET D'AMELIORATION DU GOUT SUCRE DANS DES PRODUITS ALIMENTAIRES ET DES BOISSONS AU MOYEN DE 1,3-PROPANEDIOL**
[72] DIERBACH, LISA ANN, US
[72] TOPINKA, JOHN B., US
[72] BARBER, DEBORAH D., US
[73] KRAFT FOODS GROUP BRANDS LLC,
[85] 2014-09-03
[86] 2013-03-08 (PCT/US2013/029801)
[87] (WO2013/134611)
[30] US (61/609,044) 2012-03-09
[30] US (61/704,054) 2012-09-21

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[13] C
[51] **Int.Cl. C08L 101/08 (2006.01) C03C 27/10 (2006.01) C08L 31/04 (2006.01) C08L 33/06 (2006.01)**
[25] EN
[54] **CURABLE AQUEOUS COMPOSITION**
[54] **COMPOSITION AQUEUSE DURCISSABLE**
[72] MILLER, WAYNE P., US
[72] GLEASON, PATRICK D., US
[72] WRIGHT, MICHAEL, US
[73] H.B. FULLER COMPANY,
[85] 2014-09-10
[86] 2013-04-30 (PCT/US2013/038810)
[87] (WO2013/165979)
[30] US (13/460,367) 2012-04-30

[11] **2,867,051**
[13] C
[51] **Int.Cl. H04L 12/58 (2006.01)**
[25] EN
[54] **INFORMATION SHARING METHOD, DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE, DISPOSITIF ET SUPPORT DE STOCKAGE DE PARTAGE D'INFORMATIONS**
[72] CAI, RUNDA, CN
[72] HUANG, QING, CN
[72] ZHOU, ZHIJIE, CN
[72] FAN, LIANGLIANG, CN
[72] HUANG, RUNJIA, CN
[72] LIN, XUEQIN, CN
[72] YANG, GANRONG, CN
[72] RONG, KUNFENG, CN
[72] LIANG, XING, CN
[72] CHEN, HAIWEN, CN
[72] FENG, JINGQIONG, CN
[72] HUANG, TIANQING, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED,
[85] 2014-09-11
[86] 2013-03-04 (PCT/CN2013/072116)
[87] (WO2013/139201)
[30] CN (201210076384.6) 2012-03-21

[11] **2,867,098**
[13] C
[51] **Int.Cl. B60T 13/66 (2006.01) B60T 17/22 (2006.01)**
[25] EN
[54] **BRAKING INSTALLATION FOR A RAILWAY TRAIN INCLUDING A PLURALITY OF WAGONS FOR TRANSPORTING GOODS**
[54] **INSTALLATION DE FREINAGE POUR TRAIN FERROVIAIRE COMPRENANT UNE PLURALITE DE WAGONS A DES FINS DE TRANSPORT DE MARCHANDISES**
[72] GRASSO, ANGELO, IT
[72] DEMARIA, FRANCESCO, IT
[72] WYND, DAVID, AU
[73] FAIVELEY TRANSPORT ITALIA S.P.A.,
[85] 2014-09-11
[86] 2013-03-15 (PCT/IB2013/052076)
[87] (WO2013/136306)
[30] IT (TO2012A000229) 2012-03-16

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[13] C
[51] **Int.Cl. B60T 11/16 (2006.01) B60T 8/38 (2006.01) B60T 11/232 (2006.01)**
[25] EN
[54] **BRAKE CYLINDER MAINTAINING VALVE**
[54] **SOUPAPE DE MAINTIEN DE CYLINDRE DE FREIN**
[72] GAUGHAN, EDWARD W., US
[72] POTTER, WILLIAM JOHN, US
[73] WABTEC HOLDING CORP.,
[85] 2014-09-11
[86] 2013-04-02 (PCT/US2013/034959)
[87] (WO2013/152006)
[30] US (61/619,575) 2012-04-03
[30] US (13/854,538) 2013-04-01

[11] **2,867,797**
[13] C
[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPLACING LIVESTOCK FEED**
[54] **DISPOSITIF POUR DEPLACER DE LA NOURRITURE DE BETAIL**
[72] VAN KUILENBURG, JAN MARTINUS, NL
[72] VAN DEN BERG, KAREL, NL
[72] BUIJS, MARTINUS CORNELIS JOHANNES, NL
[73] LELY PATENT N.V.,
[85] 2014-09-18
[86] 2013-03-25 (PCT/NL2013/050216)
[87] (WO2013/157934)
[30] NL (2008673) 2012-04-20

[11] **2,868,412**
[13] C
[51] **Int.Cl. F02C 9/18 (2006.01) F16K 31/00 (2006.01) F16K 31/06 (2006.01)**
[25] FR
[54] **ELECTRICALLY CONTROLLED ACTUATING DEVICE INCORPORATING A THERMOSTATIC FUNCTION, AND VALVE**
[54] **DISPOSITIF ACTIONNEUR A COMMANDE ELECTRIQUE INTEGRANT UNE FONCTION THERMOSTATIQUE, VANNE.**
[72] DE WERGIFOSSE, HUGUETTE, FR
[72] DE WERGIFOSSE, ERIC, FR
[73] SNECMA,
[85] 2014-09-24
[86] 2013-03-29 (PCT/FR2013/050696)
[87] (WO2013/144524)
[30] FR (1252889) 2012-03-30

[11] **2,868,445**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/465 (2006.01) A61K 47/02 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **NICOTINE FORMULATION**
[54] **FORMULATION DE NICOTINE**
[72] HUBINETTE, FREDRIK, SE
[73] NICOCCINO AB,
[85] 2014-09-25
[86] 2013-03-15 (PCT/EP2013/055456)
[87] (WO2013/143891)
[30] EP (12161483.8) 2012-03-27
[30] US (61/615,997) 2012-03-27

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[13] C
[51] **Int.Cl. A01K 5/00 (2006.01) B01F 7/24 (2006.01)**
[25] EN
[54] **APPARATUS FOR MIXING AND CUTTING ANIMAL FEED AND METHOD OF OPERATING SUCH AN APPARATUS**
[54] **APPAREIL DE MELANGE ET DE DECOUPE DE NOURRITURE POUR ANIMAUX ET METHODE D'UTILISATION D'UN TEL APPAREIL**
[72] HUYZER, ARIE, NL
[72] SIE, HOWARD, NL
[72] VAN KUILENBURG, JAN MARTINUS, NL
[72] PASTOOR, JAN LAMBERTUS, NL
[73] LELY PATENT N.V.,
[85] 2014-10-06
[86] 2013-03-14 (PCT/NL2013/050177)
[87] (WO2013/157930)
[30] NL (2008669) 2012-04-20

[11] **2,873,043**
[13] C
[51] **Int.Cl. H04B 7/06 (2006.01)**
[25] EN
[54] **IMPROVED CONTROL CHANNEL IN A HIGH-SPEED PACKET ACCESS SYSTEM**
[54] **CANAL DE COMMANDE AMELIORE DANS UN SYSTEME D'ACCES PAR PAQUETS A HAUT DEBIT**
[72] NAMMI, SAIRAMESH, SE
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL),
[85] 2014-11-07
[86] 2012-11-29 (PCT/SE2012/051328)
[87] (WO2013/169163)
[30] US (61/644,515) 2012-05-09

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[13] C
[25] EN
[54] **PARABOLOIDAL PERCUSSION INSTRUMENT**
[54] **INSTRUMENT DE PERCUSSION PARABOLIQUE**
[72] SALOMON, GERHARD, DE
[73] SALOMON, GERHARD,
[85] 2014-11-13
[86] 2012-12-12 (PCT/EP2012/075191)
[87] (WO2013/174459)
[30] DE (DE 10 2012 104 332) 2012-05-20

[11] **2,873,483**
[13] C
[51] **Int.Cl. F04B 35/04 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC ACTUATOR AND INERTIA CONSERVATION DEVICE FOR A RECIPROCATING COMPRESSOR**
[54] **ACTIONNEUR ELECTROMAGNETIQUE ET DISPOSITIF DE CONSERVATION DE L'INERTIE POUR UN COMPRESSEUR ALTERNATIF**
[72] BAGAGLI, RICCARDO, IT
[72] TOGNARELLI, LEONARDO, IT
[72] BARGIACCHI, MASSIMO, IT
[72] CAPANNI, ALESSIO, IT
[73] NUOVO PIGNONE SRL,
[85] 2014-11-13
[86] 2013-05-10 (PCT/EP2013/059710)
[87] (WO2013/171126)
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[51] **Int.Cl. A61K 38/22 (2006.01) A61K 31/4422 (2006.01) A61K 38/05 (2006.01) A61P 9/12 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **USE OF MODIFIED VASOACTIVE INTESTINAL PEPTIDES IN THE TREATMENT OF HYPERTENSION**
[54] **UTILISATION DE PEPTIDES INTESTINAUX VASOACTIFS (PIV) MODIFIES POUR TRAITER L'HYPERTENSION**
[72] GEORGOPOULOS, LYNNE M., US
[72] ARNOLD, SUSAN, US
[73] PHASEBIO PHARMACEUTICALS, INC.,
[85] 2014-11-13
[86] 2012-06-06 (PCT/US2012/041092)
[87] (WO2012/170524)
[30] US (61/493,845) 2011-06-06

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[13] C
[51] **Int.Cl. C09D 11/10 (2014.01) C09D 11/00 (2014.01)**
[25] EN
[54] **RADIATION CURABLE FLUIDS**
[54] **FLUIDES POLYMERISABLES PAR UN RAYONNEMENT**
[72] ANDRE, XAVIER, BE
[73] AGFA NV,
[85] 2014-11-27
[86] 2013-06-17 (PCT/EP2013/062510)
[87] (WO2014/009106)
[30] EP (12175710.8) 2012-07-10

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[13] C
[51] **Int.Cl. H01H 9/44 (2006.01)**
[25] EN
[54] **SINGLE DIRECT CURRENT ARC CHUTE, AND BI-DIRECTIONAL DIRECT CURRENT ELECTRICAL SWITCHING APPARATUS EMPLOYING THE SAME**
[54] **BOITE DE SOUFFLAGE A COURANT CONTINU UNIQUE, ET APPAREIL DE COMMUTATION ELECTRIQUE A COURANT CONTINU BIDIRECTIONNEL UTILISANT CELLE-CI**
[72] JUDS, MARK A., US
[72] ZHOU, XIN, US
[72] KANK, AMOGH V., IN
[72] ROLLMANN, PAUL J., US
[72] MUELLER, ROBERT W., US
[72] BARTONEK, MICHAEL F., AT
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-12-16
[86] 2013-07-08 (PCT/US2013/049536)
[87] (WO2014/039162)
[30] US (13/603,574) 2012-09-05

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[13] C
[51] **Int.Cl. E04C 5/16 (2006.01)**
[25] EN
[54] **COMBINATION REINFORCING COUPLER AND COLUMN ALIGNMENT DEVICE**
[54] **ELEMENT DE COUPLAGE DE RENFORT DE COMBINAISON ET DISPOSITIF D'ALIGNEMENT DE COLONNES**
[72] PROWSE, STEVEN, AU
[73] M3S HOLDINGS PTY LTD,
[85] 2014-12-18
[86] 2013-06-26 (PCT/AU2013/000694)
[87] (WO2014/000038)
[30] AU (2012902731) 2012-06-27

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[13] C
[51] **Int.Cl. E04G 21/14 (2006.01) E04G 3/28 (2006.01) E04G 27/00 (2006.01)**
[25] EN
[54] **LOAD CARRYING PLATFORM SHUTTLE**
[54] **NAVETTE A PLATEFORME DE TRANSPORT DE CHARGE**
[72] MCKEON, ALLAN SYDNEY, AU
[73] GUMBOOTS NOMINEES PTY LIMITED,
[85] 2014-12-19
[86] 2013-07-09 (PCT/AU2013/000749)
[87] (WO2014/008532)
[30] AU (2012902923) 2012-07-09

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[13] C
[51] **Int.Cl. E21B 23/08 (2006.01) E21B 23/04 (2006.01) E21B 23/06 (2006.01)**
[25] EN
[54] **EXTENDED REACH PLACEMENT OF WELLBORE COMPLETIONS**
[54] **INSTALLATION A LONG DEPORT POUR COMPLETION DE PUITS**
[72] KOLLE, JACK J., US
[73] TEMPRESS TECHNOLOGIES, INC.,
[85] 2014-12-18
[86] 2013-07-16 (PCT/US2013/050758)
[87] (WO2014/014959)
[30] US (61/672,160) 2012-07-16

[11] **2,877,755**
[13] C
[51] **Int.Cl. B65G 39/00 (2006.01) B65G 15/00 (2006.01)**
[25] EN
[54] **A SYSTEM, METHOD AND APPARATUS FOR FACILITATING THE REPAIR OF A CONVEYOR BELT ROLLER ASSEMBLY**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR FACILITER LA REPARATION D'UN ENSEMBLE GALET DE BANDE TRANSPORTEUSE**
[72] CAMPBELL, CLYDE, AU
[73] MACHINERY AUTOMATION & ROBOTICS PTY LTD,
[85] 2014-12-23
[86] 2013-06-28 (PCT/AU2013/000709)
[87] (WO2014/000051)
[30] AU (2012902777) 2012-06-29

[11] **2,881,300**
[13] C
[51] **Int.Cl. B21D 37/12 (2006.01) B21D 22/02 (2006.01)**
[25] EN
[54] **LOW PROFILE PILOT ASSEMBLY AND METHOD FOR METAL FORMING DIES**
[54] **ASSEMBLAGE DE PILOTE A PROFIL BAS ET METHODE DE FORMAGE DE MATRICES METALLIQUES**
[72] BREEN, SCOTT M., US
[72] PYPER, JOEL T., US
[73] STANDARD LIFTERS, INC.,
[85] 2015-02-05
[86] 2013-08-20 (PCT/US2013/055809)
[87] (WO2014/031650)
[30] US (61/684,892) 2012-08-20

[11] **2,881,455**
[13] C
[51] **Int.Cl. C09K 8/58 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **OIL THINNING COMPOSITIONS AND RETRIEVAL METHODS**
[54] **COMPOSITIONS DE DILUTION POUR PETROLE ET METHODES DE RECUPERATION**
[72] CHESKY, SHELDON R., US
[73] BIOSPAN TECHNOLOGIES, INC.,
[86] (2881455)
[87] (2881455)
[22] 2012-09-13
[62] 2,790,267
[30] US (61/543,185) 2011-10-04

[11] **2,881,649**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN CULTIVAR WN1116094-1**
[54] **CULTIVAR DE SOJA WN1116094-1**
[72] THRELKELD, KEVIN CHRIS, US
[73] SYNGENTA PARTICIPATIONS AG,
[86] (2881649)
[87] (2881649)
[22] 2015-02-12
[30] US (14/221,591) 2014-03-21

[11] **2,881,776**
[13] C
[51] **Int.Cl. F17C 1/14 (2006.01) F17C 1/10 (2006.01) F17C 13/08 (2006.01)**
[25] FR
[54] **PRESSURISED FLUID CONTAINER AND METHOD FOR THE PRODUCTION THEREOF**
[54] **RECIPIENT DE FLUIDE SOUS PRESSION ET SON PROCEDE DE FABRICATION**
[72] AZIZI, HAITHEM, FR
[72] BARTHELEMY, HERVE, FR
[72] BAUNE, EMMANUEL, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE,
[85] 2015-02-11
[86] 2013-06-24 (PCT/FR2013/051463)
[87] (WO2014/037632)
[30] FR (1258261) 2012-09-05

[11] **2,882,190**
[13] C
[51] **Int.Cl. H01F 38/18 (2006.01) H01F 30/14 (2006.01)**
[25] FR
[54] **THREE-PHASE/TWO-PHASE ROTARY TRANSFORMER INCLUDING A SCOTT CONNECTION**
[54] **TRANSFORMATEUR TOURNANT TRIPHASE-DIPHASE A CONNEXION SCOTT**
[72] DUVAL, CEDRIC, FR
[73] LABINAL POWER SYSTEMS,
[85] 2015-02-16
[86] 2013-08-14 (PCT/FR2013/051943)
[87] (WO2014/029941)
[30] FR (1257948) 2012-08-23

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[13] C
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 41/02 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **CONTAINER, CLOSURE, AND PACKAGE**
[54] **RECIPIENT, FERMETURE ET EMBALLAGE**
[72] LONSWAY, MICHAEL J., US
[72] CHISHOLM, BRIAN J., US
[73] OWENS-BROCKWAY GLASS CONTAINER INC.,
[85] 2015-02-17
[86] 2013-09-10 (PCT/US2013/058939)
[87] (WO2014/058555)
[30] US (13/649,171) 2012-10-11

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[13] C
[51] **Int.Cl. A61L 26/00 (2006.01) A61K 9/16 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **IMPROVED WOUND HEALING COMPOSITIONS COMPRISING MICROSPHERES**
[54] **COMPOSITIONS DE CICATRISATION DE PLAIES AMELIOREES COMPRENANT DES MICROSPHERES**
[72] RITTER, VLADIMIR, IL
[72] KLEYMAN, MERY, IL
[72] BARTFELD, DEBORAH HANAH, IL
[72] ASCULAI, EILON, IL
[73] POLYHEAL LTD.,
[85] 2015-02-26
[86] 2013-09-12 (PCT/IL2013/050774)
[87] (WO2014/041543)
[30] US (61/700,362) 2012-09-13

[11] **2,884,214**
[13] C
[51] **Int.Cl. B09C 1/02 (2006.01) C09K 17/00 (2006.01)**
[25] EN
[54] **SALT-IMPACTED SOIL TREATMENT PROCESS AND SYSTEM FOR REMEDIATING A SALT-IMPACTED SOIL**
[54] **PROCEDE DE TRAITEMENT DE SOLS CONTAMINES PAR DU SEL ET SYSTEME POUR LA REMEDIATION D'UN SOL CONTAMINE PAR DU SEL**
[72] MYRE, ALEXANDRE, CA
[72] MOREAU, NICOLAS, CA
[72] LAFRENIERE, FRANCOIS, CA
[72] TREMBLAY, DONALD, CA
[72] BELANGER, CHRISTIAN, CA
[72] LANDRY, DANY, CA
[73] ENGLOBE CORP.,
[85] 2015-03-05
[86] 2013-10-15 (PCT/CA2013/050777)
[87] (WO2014/059540)
[30] US (61/715,357) 2012-10-18
[30] US (61/787,016) 2013-03-15

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[13] C
[51] **Int.Cl. B64D 11/00 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **AIRCRAFT SIDEBOARD**
[54] **CREDENCE POUR AVION**
[72] GAGNON, PIERRE, CA
[72] DEKA, TOM, CA
[72] FAHMY, PATRICK, CA
[72] MONARDO, MICHELE, CA
[73] BOMBARDIER INC.,
[85] 2015-03-10
[86] 2012-10-08 (PCT/US2012/059188)
[87] (WO2014/051638)
[30] US (61/708,020) 2012-09-30

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[13] C
[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMPROVED SIGNALING OF LAYER IDENTIFIERS FOR OPERATION POINTS OF A VIDEO CODER**
[54] **SIGNALISATION AMELIOREE D'IDENTIFIANTS DE COUCHE POUR POINTS DE FONCTIONNEMENT DE CODEUR VIDEO**
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED,
[85] 2015-03-12
[86] 2013-10-01 (PCT/US2013/062890)
[87] (WO2014/055536)
[30] US (61/709,094) 2012-10-02
[30] US (14/042,416) 2013-09-30

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[13] C
[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **TOOL FOR GRIPPING TUBULAR ITEMS**
[54] **OUTIL D'ACCROCHAGE D'ELEMENTS TUBULAIRES**
[72] SLACK, MAURICE W., CA
[73] NOETIC TECHNOLOGIES INC.,
[85] 2015-03-20
[86] 2013-10-09 (PCT/CA2013/000873)
[87] (WO2014/056092)
[30] US (61/711,404) 2012-10-09

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[13] C
[51] **Int.Cl. F02C 9/28 (2006.01) B64D 31/00 (2006.01) G05B 17/00 (2006.01)**
[25] FR
[54] **METHOD FOR MONITORING A THRUST FAULT OF AN AIRCRAFT TURBOFAN**
[54] **METHODE DE SURVEILLANCE D'UN DEFAUT DE POUSSEE D'UN TURBOREACTEUR D'AERONEF**
[72] DJELASSI, CEDRICK, FR
[73] SNECMA,
[85] 2015-03-26
[86] 2013-09-27 (PCT/FR2013/052307)
[87] (WO2014/053752)
[30] FR (1259367) 2012-10-03

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[13] C
[51] **Int.Cl. B65D 85/04 (2006.01) B65D 1/22 (2006.01) B65D 21/02 (2006.01)**
[25] EN
[54] **CASSETTE FOR DISPENSING PLEATED TUBING**
[54] **CASSETTE DE DISTRIBUTION DE TUBE PLISSE**
[72] DUNN, STEVEN BRYAN, US
[72] JOHNSON, KEVIN DOUGLAS, US
[73] MUNCHKIN, INC.,
[85] 2015-04-24
[86] 2013-03-07 (PCT/US2013/029555)
[87] (WO2014/065853)
[30] US (29/435,445) 2012-10-24
[30] US (13/688,139) 2012-11-28

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[13] C
[51] **Int.Cl. A01K 61/10 (2017.01) A01K 61/00 (2017.01) A01K 63/00 (2017.01) B63B 22/00 (2006.01)**
[25] EN
[54] **FLOATING ELEMENT AND METHOD OF FORMING A BUOYANCY SYSTEM**
[54] **ELEMENT FLOTTANT ET PROCEDE DE FORMATION D'UN SYSTEME DE FLOTTABILITE**
[72] NAESS, ANDERS, NO
[73] AKVADESIGN AS,
[85] 2015-05-01
[86] 2012-11-29 (PCT/NO2012/050239)
[87] (WO2013/085392)
[30] NO (20111704) 2011-12-09

[11] **2,891,603**
[13] C
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **OSCILLATING POSITIVE EXPIRATORY PRESSURE DEVICE**
[54] **DISPOSITIF DE PRESSION D'EXPIRATION POSITIVE OSCILLANT**
[72] MEYER, ADAM, CA
[72] KOPALA, RAPHAEL, CA
[72] DOBSON, CHRIS, CA
[72] SCHMIDT, JAMES N., CA
[72] ALIZOTI, NERITAN, CA
[73] TRUDELL MEDICAL INTERNATIONAL,
[85] 2015-05-20
[86] 2013-11-29 (PCT/IB2013/002681)
[87] (WO2014/083418)
[30] US (61/731,861) 2012-11-30
[30] US (61/733,791) 2012-12-05
[30] US (61/781,533) 2013-03-14

[11] **2,892,015**
[13] C
[51] **Int.Cl. B65B 43/30 (2006.01) B65B 5/10 (2006.01)**
[25] EN
[54] **AUTOMATED BAG HANDLING**
[54] **MANUTENTION AUTOMATISEE DE SACS**
[72] LORGER, JOSEF, AT
[72] GALLAUN, HEIMO, AT
[72] REPNEGG, GEROLD, AT
[72] KOBER, WOLFGANG, AT
[72] MONTASSER, SHAHRAM, GB
[73] OCADO INNOVATION LIMITED,
[85] 2015-05-19
[86] 2013-11-19 (PCT/GB2013/053055)
[87] (WO2014/076507)
[30] GB (1220784.1) 2012-11-19

[11] **2,895,525**
[13] C
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/00 (2006.01) A01C 15/04 (2006.01) B65G 53/50 (2006.01)**
[25] EN
[54] **AIRFLOW DEFLECTOR FOR RADIAL FAN OF AIR SEEDER**
[54] **DEFLECTEUR DE COURANT D'AIR POUR VENTILATEUR RADIAL DE SEMOIR PNEUMATIQUE**
[72] ROBERGE, MARTIN J., CA
[72] HUI, KA PO CATHERINE, CA
[73] CNH INDUSTRIAL CANADA, LTD.,
[86] (2895525)
[87] (2895525)
[22] 2015-06-22
[30] US (14/495,253) 2014-09-24

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[51] **Int.Cl. A63B 5/11 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF MEASURING AN ACTIVITY OF A PERSON ON A FLEXIBLE MAT OF A TRAMPOLINE**
[54] **PROCEDE ET SYSTEME DE MESURE DE L'ACTIVITE D'UNE PERSONNE SUR LE TAPIS SOUPLE D'UN TRAMPOLINE**
[72] HOWE, JOHN ROBERT, NZ
[73] TGOMA NZ LIMITED,
[85] 2015-06-22
[86] 2013-12-20 (PCT/NZ2013/000245)
[87] (WO2014/098628)
[30] US (61/740,549) 2012-12-21

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[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) G01R 31/00 (2006.01)**
[25] EN
[54] **SENSOR AND METHOD FOR IDENTIFYING DOWNED POWER TRANSMISSION CONDUCTORS AND STRUCTURES**
[54] **CAPTEUR ET METHODE D'IDENTIFICATION DE CONDUCTEURS DE TRANSMISSION D'ALIMENTATION TOMBES AU SOL ET STRUCTURES**
[72] PHILLIPS, ANDREW J., US
[73] ELECTRIC POWER RESEARCH INSTITUTE, INC.,
[86] (2902320)
[87] (2902320)
[22] 2015-08-28
[30] US (14/474,733) 2014-09-02

[11] **2,906,491**
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[51] **Int.Cl. A61K 31/202 (2006.01) A61K 31/201 (2006.01) A61P 9/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61K 36/00 (2006.01)**
[25] EN
[54] **MEDICAMENT FOR TREATMENT OF CANCER, CARDIOVASCULAR DISEASES AND INFLAMMATION**
[54] **MEDICAMENT POUR LE TRAITEMENT DU CANCER, DE MALADIES CARDIOVASCULAIRES ET D'UNE INFLAMMATION**
[72] PESKIN, BRIAN, US
[73] SWING AEROBICS LICENSING, INC.,
[85] 2015-09-14
[86] 2014-03-12 (PCT/US2014/024345)
[87] (WO2014/150829)
[30] US (13/836,179) 2013-03-15

[11] **2,906,797**
[13] C
[51] **Int.Cl. A01K 67/033 (2006.01)**
[25] EN
[54] **PROTECTIVE DEVICE FOR ANIMAL BREEDING, SUCH AS THE BREEDING OF FISH, MUSSELS OR MOLLUSCS**
[54] **DISPOSITIF DE PROTECTION POUR REPRODUCTION ANIMALE, COMME LA REPRODUCTION DE POISSONS, MOULES OU MOLLUSQUES**
[72] DORNBIERER, URS, CH
[73] GEOBRUGG AG,
[86] (2906797)
[87] (2906797)
[22] 2015-10-02
[30] CH (01590/14) 2014-10-14

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[13] C
[51] **Int.Cl. B21C 37/06 (2006.01)**
[25] EN
[54] **CRIMPER**
[54] **SERTISSEUSE**
[72] KLINECT, CHUCK, US
[72] LEHOTAY, MATT, US
[73] FAMOUS INDUSTRIES, INC. D/B/A HEATING & COOLING PRODUCTS COMPANY,
[85] 2015-09-15
[86] 2014-03-17 (PCT/US2014/030443)
[87] (WO2014/145643)
[30] US (61/792,697) 2013-03-15

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **BIOLOGICAL FLUID SAMPLING TRANSFER DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**
[54] **DISPOSITIF DE TRANSFERT D'UN PRELEVEMENT DE LIQUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'ANALYSE D'UN LIQUIDE BIOLOGIQUE**
[72] FLETCHER, GARY D., US
[72] GELFAND, CRAIG A., US
[72] MARCHIARULLO, DANIEL J., US
[72] NEWBY, C. MARK, US
[72] ROTHENBERG, ASHLEY RACHEL, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2015-10-09
[86] 2014-04-14 (PCT/US2014/033938)
[87] (WO2014/172246)
[30] US (61/811,918) 2013-04-15

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[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A23L 29/212 (2016.01) A23P 10/30 (2016.01) A23P 20/10 (2016.01) A23C 9/12 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **LIQUID FOOD PRODUCT COMPRISING GRANULES WITH HEAT AND HUMIDITY RESISTING PROBIOTIC BACTERIA**
[54] **PRODUIT D'ALIMENT LIQUIDE RENFERMANT DES GRANULES ET DES BACTERIES PROBIOTIQUES RESISTANT A LA CHALEUR ET A L'HUMIDITE**
[72] PENHASI, ADEL, IL
[73] DEGAMA SMART LTD.,
[85] 2015-10-14
[86] 2014-04-19 (PCT/IL2014/050368)
[87] (WO2014/170904)
[30] US (61/813,663) 2013-04-19

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[13] C
[51] **Int.Cl. B32B 37/12 (2006.01) B29C 45/00 (2006.01) B32B 15/00 (2006.01) B32B 15/08 (2006.01) B44C 1/14 (2006.01)**
[25] EN
[54] **METALLIZED MULTI-LAYER STRUCTURE FILM IN-MOLD LABELS, PRINTED IN-MOLD LABELS FORMED FROM SUCH FILM AND METHODS OF APPLYING THE PRINTED LABELS TO AN ARTICLE DURING THE MOLDING OF THE ARTICLE**
[54] **ETIQUETTES MOULEES A PELLICULE A STRUCTURE MULTICOUCHE METALLISEE, ETIQUETTES MOULEES IMPRIMEES FORMEES D'UNE TELLE PELLICULE ET METHODES D'APPLICATION DES ETIQUETTES IMPRIMEES SUR UN ARTICLE PENDANT LE MOULAGE DE L'ARTICLE**
[72] BEARDWELL, ROGER, AU
[72] HODGSEN, STEVEN, AU
[73] TAGHLEEF INDUSTRIES PTY LTD.,
[85] 2015-11-12
[86] 2014-05-02 (PCT/IB2014/000665)
[87] (WO2014/184630)
[30] US (61/824,077) 2013-05-16
[30] US (61/897,872) 2013-10-31
[30] US (61/937,704) 2014-02-10

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[13] C
[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 15/113 (2010.01) A61K 35/14 (2015.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR REDUCING IMMUNOSUPRESSION BY TUMOR CELLS**
[54] **PROCEDES ET COMPOSITIONS POUR REDUIRE L'IMMUNODEPRESSION PAR DES CELLULES TUMORALES**
[72] WUCHERPFENNIG, KAI W., US
[72] DRANOFF, GLENN, US
[72] ZHOU, PENGHUI, US
[72] SHAFFER, DONALD, US
[72] HACOHEN, NIR, US
[72] CANTOR, HARVEY I., US
[72] ALVAREZ ARIAS, DIANA, US
[73] DANA-FARBER CANCER INSTITUTE, INC.,
[73] THE GENERAL HOSPITAL CORPORATION D/B/A MASSACHUSETTS GENERAL HOSPITAL,
[85] 2015-11-12
[86] 2014-06-10 (PCT/US2014/041739)
[87] (WO2014/201021)
[30] US (61/833,298) 2013-06-10
[30] US (61/921,303) 2013-12-27
[30] US (61/929,821) 2014-01-21

[11] **2,913,598**
[13] C
[51] **Int.Cl. A01C 7/20 (2006.01)**
[25] EN
[54] **AIR CLUTCH COVER**
[54] **COUVERCLE D'EMBRAYAGE PNEUMATIQUE**
[72] DIAZ, RICHARDO, US
[72] PRICKEL, MARVIN A., US
[72] BELLO, AUSTIN EUGENE, US
[73] CNH INDUSTRIAL AMERICA LLC,
[86] (2913598)
[87] (2913598)
[22] 2015-11-27
[30] US (14/563,451) 2014-12-08

[11] **2,914,944**
[13] C
[51] **Int.Cl. B05B 1/18 (2006.01)**
[25] EN
[54] **SHOWERHEAD WITH TURBINE DRIVEN SHUTTER**
[54] **POMME DE DOUCHE AYANT UN MECANISME D'OBTURATION ENTRAINE PAR TURBINE**
[72] QUINN, MICHAEL J., US
[72] CACKA, JOSEPH W., US
[72] LEBER, LELAND C., US
[73] WATER PIK, INC.,
[85] 2015-12-09
[86] 2014-06-13 (PCT/US2014/042410)
[87] (WO2014/201420)
[30] US (61/834,816) 2013-06-13

[11] **2,915,949**
[13] C
[51] **Int.Cl. A61H 31/00 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **HUFF COUGH SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION DE TOUX SOUFFLEE ("HUFF COUGH")**
[72] COSTELLA, STEPHEN, CA
[72] MEYER, ADAM, CA
[72] SCARROTT, PETER, CA
[73] TRUDELL MEDICAL INTERNATIONAL,
[85] 2015-12-17
[86] 2014-07-11 (PCT/CA2014/000562)
[87] (WO2015/003249)
[30] US (61/845,689) 2013-07-12

[11] **2,919,735**
[13] C
[51] **Int.Cl. G09B 1/06 (2006.01) A63F 9/08 (2006.01)**
[25] EN
[54] **EDUCATIONAL BALL**
[54] **BALLE EDUCATIVE**
[72] YANG, JU-HSUN, TW
[73] YANG, JU-HSUN,
[86] (2919735)
[87] (2919735)
[22] 2016-02-03
[30] TW (104202455) 2015-02-13

[11] **2,919,792**
[13] C
[51] **Int.Cl. A61K 31/451 (2006.01) A61Q 90/00 (2009.01) A61K 8/42 (2006.01) A61K 8/49 (2006.01) A61K 8/60 (2006.01) A61K 31/167 (2006.01) A61K 31/728 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 17/16 (2006.01) A61P 17/18 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING HYALURONIC ACID AND MEPIVACAINE**
[54] **COMPOSITION COMPORTANT DE L'ACIDE HYALURONIQUE ET LA MEPIVACAINE**
[72] BOURDON, FRANCOIS, FR
[72] MEUNIER, STEPHANE, FR
[73] TEOXANE,
[85] 2016-01-28
[86] 2014-07-29 (PCT/IB2014/063503)
[87] (WO2015/015407)
[30] US (13/954,360) 2013-07-30

[11] **2,920,634**
[13] C
[51] **Int.Cl. E05B 19/04 (2006.01)**
[25] EN
[54] **TWO-PIECE KEY ASSEMBLY**
[54] **ENSEMBLE CLE EN DEUX PARTIES**
[72] GERLINGS, PHILLIP, US
[72] SCHMIDT, MICHAEL JAMES, US
[72] WILL, GARY EDWARD, US
[72] SOLACE, BRYAN K., US
[73] THE HILLMAN GROUP, INC.,
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050047)
[87] (WO2015/023498)
[30] US (61/866,603) 2013-08-16
[30] US (61/904,810) 2013-11-15
[30] US (14/252,412) 2014-04-14

[11] **2,921,063**
[13] C
[51] **Int.Cl. A61K 35/766 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ONCOLYTIC RHABDOVIRUS**
[54] **RHABDOVIRUS ONCOLYTIQUE**
[72] STOJDL, DAVID, CA
[73] CHILDREN'S HOSPITAL OF EASTERN ONTARIO RESEARCH INSTITUTE INC.,
[86] (2921063)
[87] (2921063)
[22] 2007-09-17
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[30] US (60/844,726) 2006-09-15

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[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/31 (2014.01) H04N 19/423 (2014.01) H04N 19/463 (2014.01) H04N 19/44 (2014.01) H04N 19/597 (2014.01)**
[25] EN
[54] **SIGNALING FOR SUB-DECODED PICTURE BUFFER (SUB-DPB) BASED DPB OPERATIONS IN VIDEO CODING**
[54] **SIGNALISATION POUR OPERATIONS DE DPB BASEES SUR DES SOUS-TAMPONS D'IMAGE DECODEE (SUB-DPB) EN CODAGE VIDEO**
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED,
[85] 2016-03-14
[86] 2014-10-09 (PCT/US2014/059925)
[87] (WO2015/054509)
[30] US (61/889,515) 2013-10-10
[30] US (61/890,841) 2013-10-14
[30] US (14/509,797) 2014-10-08

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[51] **Int.Cl. H04W 48/18 (2009.01)**
[25] EN
[54] **MANAGING SELECTION OF WLAN**
[54] **GESTION DE SELECTION DE WLAN**
[72] BERGSTROM, MATTIAS, SE
[72] MILDH, GUNNAR, SE
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL),
[85] 2016-03-24
[86] 2014-09-16 (PCT/SE2014/051066)
[87] (WO2015/047163)
[30] US (61/883,225) 2013-09-27

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[51] **Int.Cl. G01N 30/46 (2006.01) G01N 30/72 (2006.01) G01N 30/86 (2006.01) G01N 33/28 (2006.01) H01J 49/16 (2006.01) H01J 49/44 (2006.01)**
[25] EN
[54] **INTEGRATED HYDROCARBON ANALYSIS**
[54] **ANALYSE D'HYDROCARBURE INTEGREE**
[72] WANG, FRANK C., US
[72] QIAN, KUANGNAN, US
[72] EDWARDS, KATHLEEN E., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,
[85] 2016-03-21
[86] 2014-10-02 (PCT/US2014/058784)
[87] (WO2015/061017)
[30] US (14/061,086) 2013-10-23

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[13] C
[51] **Int.Cl. A63B 22/16 (2006.01)**
[25] EN
[54] **AGILITY AND STRENGTH IMPROVEMENT APPARATUS**
[54] **APPAREIL DESTINE A ENTRAINER UNE AMELIORATION DE L'AGILITE ET DE LA FORCE**
[72] RUIZ, ANDREW, US
[73] CARBONE, ALISON M.,
[73] RUIZ, ANDREW,
[85] 2016-03-29
[86] 2014-07-02 (PCT/US2014/045189)
[87] (WO2015/003032)
[30] US (61/842,537) 2013-07-03
[30] US (61/886,708) 2013-10-04
[30] US (14/321,916) 2014-07-02

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[13] C
[51] **Int.Cl. B08B 17/02 (2006.01) B65D 88/16 (2006.01)**
[25] EN
[54] **EFFLUENT CONTAINMENT DEVICE FOR CLEANING FIN FAN COOLERS**
[54] **DISPOSITIF DE RETENTION D'EFFLUENTS POUR LE NETTOYAGE DE REFROIDISSEURS DE VENTILATEURS A AILETTES**
[72] EARP, DANNY, US
[73] EARP, DANNY,
[85] 2016-04-29
[86] 2014-10-31 (PCT/US2014/063498)
[87] (WO2015/066513)
[30] US (14/070,240) 2013-11-01

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[51] **Int.Cl. E01H 1/08 (2006.01) A01G 9/28 (2018.01) F04D 25/06 (2006.01) F04D 25/08 (2006.01) F04D 29/52 (2006.01)**
[25] EN
[54] **BLOWER**
[54] **VENTILATEUR REFOULANT**
[72] SHAO, XIANDIAN, CN
[72] YAMAOKA, TOSHINARI, CN
[72] NIE, FANGJIE, CN
[72] GUO, JIANPENG, CN
[73] CHERVON (HK) LIMITED,
[86] (2929511)
[87] (2929511)
[22] 2016-05-09
[30] CN (201510238214.7) 2015-05-11
[30] CN (201510237994.3) 2015-05-11
[30] CN (201510235809.7) 2015-05-11
[30] CN (201510235758.8) 2015-05-11
[30] CN (201510235719.8) 2015-05-11
[30] US (15/147,501) 2016-05-05

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[13] C
[51] **Int.Cl. G01N 37/00 (2006.01) G01N 1/10 (2006.01) G01N 23/00 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **SCANNING SYSTEM FOR TRACE DETECTION**
[54] **SYSTEME DE BALAYAGE POUR DETECTER DES TRACES**
[72] AWAD, WILLIAM, CA
[73] VOTI INC.,
[85] 2016-05-05
[86] 2014-11-07 (PCT/CA2014/051074)
[87] (WO2015/066813)
[30] US (61/901,825) 2013-11-08

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[13] C
[51] **Int.Cl. G01V 9/00 (2006.01) G06F 17/10 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **HISTORY MATCHING MULTI-POROSITY SOLUTIONS**
[54] **SOLUTIONS DE MULTIPOROSITE CORRESPONDANT A UN HISTORIQUE**
[72] MCNEALY, TIMOTHY R., US
[72] GHASEMI, MOHAMMADREZA, US
[73] LANDMARK GRAPHICS CORPORATION,
[85] 2016-05-31
[86] 2014-01-02 (PCT/US2014/010036)
[87] (WO2015/102632)

[11] **2,934,482**
[13] C
[51] **Int.Cl. G06F 8/61 (2018.01) G06F 8/65 (2018.01) H04W 4/50 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **PROVIDING APPLICATION PROGRAMS TO DEVICES**
[54] **FOURNIR DES PROGRAMMES D'APPLICATION A DES DISPOSITIFS**
[72] EIN-GAL, OREN, IL
[72] VU, VINCENT, US
[73] DIGITAL TURBINE, INC.,
[85] 2016-06-17
[86] 2013-12-18 (PCT/US2013/076306)
[87] (WO2014/100287)
[30] US (61/738,992) 2012-12-18
[30] US (13/841,140) 2013-03-15

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[13] C
[51] **Int.Cl. B32B 37/10 (2006.01) B64F 5/10 (2017.01)**
[25] EN
[54] **METHOD OF CURING A COMPOSITE ARTICLE USING DIFFERENTIAL VACUUM**
[54] **PROCEDE DE DURCISSEMENT D'UN ARTICLE EN COMPOSITE AU MOYEN D'UN VIDE DIFFERENTIEL**
[72] ANDERSON, MICHAEL R., US
[72] ZENKNER, GRANT C., US
[73] THE BOEING COMPANY,
[86] (2938586)
[87] (2938586)
[22] 2016-08-11
[30] US (14/876715) 2015-10-06

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[13] C
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 13/12 (2006.01) C07K 14/435 (2006.01) C12N 15/09 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **APOPTOSIS INHIBITOR OF MACROPHAGE (AIM) AS PREVENTIVE OR THERAPEUTIC AGENT FOR KIDNEY DISEASE**
[54] **INHIBITEUR D'APOPTOSE DE MACROPHAGE (AIM) COMME AGENT DE PREVENTION OU DE THERAPIE DESTINE A UNE MALADIE RENALE**
[72] MIYAZAKI, TORU, JP
[73] MIYAZAKI, TORU,
[85] 2016-08-05
[86] 2015-02-06 (PCT/JP2015/053415)
[87] (WO2015/119253)
[30] JP (2014-022041) 2014-02-07

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[13] C
[51] **Int.Cl. C08J 9/35 (2006.01) B63B 32/40 (2020.01) B63B 32/57 (2020.01) B63B 32/59 (2020.01) C08J 9/224 (2006.01)**
[25] EN
[54] **FOAM PRODUCT**
[54] **PRODUIT DE MOUSSE**
[72] YEH, TZONG IN, US
[73] AGIT GLOBAL IP HOLDINGS, LLC,
[86] (2940357)
[87] (2940357)
[22] 2016-08-29

[11] **2,942,271**
[13] C
[51] **Int.Cl. C10M 163/00 (2006.01) C10M 129/00 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **ADDITIVE CONCENTRATES FOR THE FORMULATION OF LUBRICATING OIL COMPOSITIONS**
[54] **CONCENTRES ADDITIFS DESTINES A LA FORMULATION DE COMPOSITIONS D'HUILES LUBRIFIANTES**
[72] SKINNER, PHILIP, GB
[72] WHYTE, DANIEL, GB
[72] WATTS, PETER D., GB
[72] EMERT, JACOB, US
[73] INFINEUM INTERNATIONAL LIMITED,
[86] (2942271)
[87] (2942271)
[22] 2016-09-16
[30] US (14/855,769) 2015-09-16

[11] **2,942,956**
[13] C
[51] **Int.Cl. B61D 7/30 (2006.01) B61L 25/02 (2006.01) E01B 27/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS BALLAST DELIVERY CONSIST**
[54] **CONSTRUCTION DE DISTRIBUTION DE BALLAST AUTONOME**
[72] LANDES, NATHAN A., US
[73] HERZOG RAILROAD SERVICES, INC.,
[86] (2942956)
[87] (2942956)
[22] 2016-09-23
[30] US (62/235,859) 2015-10-01
[30] US (15/270,912) 2016-09-20

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[13] C
[51] **Int.Cl. G06F 16/182 (2019.01)**
[25] EN
[54] **SCALABLE FILE STORAGE SERVICE**
[54] **SERVICE DE STOCKAGE DE FICHIER POUVANT ETRE MIS A L'ECHELLE**
[72] VINCENT, PRADEEP, US
[72] DUSO, WAYNE WILLIAM, US
[72] OIKARINEN, MATTI JUHANI, US
[72] FRIGO, MATTEO, US
[72] SORENSON, JAMES CHRISTOPHER, III, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2016-09-28
[86] 2015-03-31 (PCT/US2015/023676)
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[30] US (14/231,088) 2014-03-31

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[51] **Int.Cl. B23P 15/04 (2006.01) B23P 11/00 (2006.01)**
[25] EN
[54] **ADDITIVELY MANUFACTURED ROTOR BLADES AND COMPONENTS**
[54] **PALES DE ROTOR FABRIQUEES DE MANIERE ADDITIVE ET COMPOSANTS**
[72] ROBERTS, HERBERT CHIDSEY, US
[72] ALBRECHT, RICHARD WILLIAM, JR., US
[72] MCCARREN, MICHAEL JOHN, US
[72] FLYNN, PETER ANDREW, US
[72] ESTILL, ERIC ALAN, US
[72] GIGLIOTTI, MICHAEL FRANCIS XAVIER, JR., US
[73] GENERAL ELECTRIC COMPANY,
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[25] EN
[54] **SYRINGE NEEDLE POSITION AND DEVIATION CORRECTION METHOD IN A MACHINE FOR THE AUTOMATIC PREPARATION OF INTRAVENOUS MEDICATION**
[54] **METHODE DE CORRECTION DE DEVIATION ET DE POSITION DE SERINGUE DANS UNE MACHINE EN VUE DE LA PREPARATION AUTOMATIQUE DE MEDICAMENT INTRAVEINEUX**
[72] RUBIO AGUILERA, JAVIER, ES
[72] CASANOVA MONTPEYO, ORIOL, ES
[73] GRIFOLS ENGINEERING, S.A.,
[86] (2947567)
[87] (2947567)
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[54] **LID FOR CONTAINER**
[54] **COUVERCLE DE CONTENANT**
[72] BRANNOCK, SAMUEL LINCOLN, US
[73] HARL-BELLA HOLDINGS, LLC,
[86] (2949168)
[87] (2949168)
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[30] US (14/948,085) 2015-11-20

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[54] **GLOVE PACKAGING HAVING ANTIMICROBIAL BARRIER**
[54] **EMBALLAGE POUR GANTS PRESENTANT UNE BARRIERE ANTIMICROBIENNE**
[72] YAO, MIN, US
[72] AMDUR, SAMUEL T. H., US
[73] MEDLINE INDUSTRIES, INC.,
[86] (2949915)
[87] (2949915)
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[25] EN
[54] **MULTI-UNIT SPACE-EFFICIENT LIGHT-CONCENTRATING LENS ASSEMBLY**
[54] **ENSEMBLE LENTILLE DE CONCENTRATION DE LUMIERE EFFICACE EN ESPACE ET A UNITES MULTIPLES**
[72] DELSAUT, JAMES, CA
[72] LEDUC, GILLES, CA
[72] LEDUC, KELSEY, CA
[72] AMJAD, MALIK, US
[73] 1930106 ONTARIO LIMITED,
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[25] EN
[54] **FASTBACK TURBULATOR**
[54] **GENERATEUR DE TURBULENCE FASTBACK**
[72] BUNKER, RONALD SCOTT, US
[72] BRIGGS, ROBERT DAVID, US
[72] PEARSON, SHAWN MICHAEL, US
[73] GENERAL ELECTRIC COMPANY,
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[25] EN
[54] **METHOD AND SYSTEM FOR IN-LINE DISTRIBUTED PROPULSION**
[54] **PROCEDE ET SYSTEME DE PROPULSION REPARTIE EN LIGNE**
[72] MILLER, BRANDON WAYNE, US
[72] JOSHI, NARENDRA DIGAMBER, US
[72] PRENTICE, IAN FRANCIS, US
[72] MURROW, KURT DAVID, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2951800)
[87] (2951800)
[22] 2016-12-15
[30] US (14/982,793) 2015-12-29

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[25] EN
[54] **HYBRID CONVERTER SYSTEM**
[54] **SYSTEME DE CONVERTISSEUR HYBRIDE**
[72] ZHANG, DI, US
[72] ZHOU, RUI, US
[72] SHE, XU, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2951806)
[87] (2951806)
[22] 2016-12-15
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[54] **ADJUSTABLE DUMBBELL SYSTEM**
[54] **SYSTEME D'HALTERE REGLABLE**
[72] MORAN, THOMAS H., US
[72] PETERSEN, JASON P., US
[72] MARJAMA, MARCUS L., US
[72] ANDERSON, TODD D., US
[72] BUSH, PJ M., US
[72] HAMILTON, BRYAN W., US
[72] FLICK, EDWARD L., US
[73] NAUTILUS, INC.,
[85] 2016-12-12
[86] 2014-10-03 (PCT/US2014/059075)
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[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/407 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **CHROMONE OXIME DERIVATIVE AND ITS USE AS ALLOSTERIC MODULATOR OF METABOTROPIC GLUTAMATE RECEPTORS**
[54] **DERIVE DE CHROMONE OXIME ET SON UTILISATION COMME MODULATEUR ALLOSTERIQUE DE RECEPTEURS METABOTROPES DU GLUTAMATE**
[72] CHARVIN, DELPHINE, FR
[72] MANTEAU, BAPTISTE, FR
[72] POMEL, VINCENT, FR
[72] CONQUET, FRANCOIS, FR
[73] PREXTON THERAPEUTICS SA,
[85] 2017-01-24
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[25] EN
[54] **A METHOD FOR GENERATING A MONITORING SIGNAL USING A SUPERVISING ENTITY OR SAFETY MODULE**
[54] **PROCEDE DESTINE A LA GENERATION D'UN SIGNAL DE SURVEILLANCE A L'AIDE D'UNE ENTITE DE SUPERVISION OU D'UN MODULE DE SECURITE**
[72] FRIEDLI, KURT, DE
[72] SCHMITZ, RALF, DE
[72] SCHWENKER, KAI-OLIVER, DE
[72] EISSENLOEFFEL, THOMAS, DE
[72] MUEGLITZ, CARSTEN, DE
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2017-01-25
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[25] EN
[54] **METHOD FOR THE PREPARATION OF LACTIC ACID**
[54] **PROCEDE DE PREPARATION D'ACIDE LACTIQUE**
[72] BAETS, PETER JOHANNES MARIE, NL
[72] SANCHEZ GARCIA, DAVID, NL
[72] GROOT, WILLEM JACOB, NL
[72] DE HAAN, ANDRE BANIER, NL
[73] PURAC BIOCHEM BV,
[85] 2017-01-25
[86] 2015-07-28 (PCT/EP2015/067258)
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[51] **Int.Cl. B65D 90/24 (2006.01)**
[25] EN
[54] **FLUID CONTAINERS TO EVACUATE SPILLED FLUID FROM THE INTERIOR OF AN ENCLOSURE OF THE FLUID CONTAINER**
[54] **RECIPIENTS DE FLUIDE SERVANT A EVACUER LE FLUIDE DEVERSE DE L'INTERIEUR D'UNE ENCEINTE DE RECIPIENT DE FLUIDE**
[72] JOCHMAN, NATHAN JOE, US
[73] ILLINOIS TOOL WORKS INC.,
[86] (2957206)
[87] (2957206)
[22] 2017-02-07
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[25] EN
[54] **INDUCTION HEATING DEVICE FOR METAL STRIP**
[54] **DISPOSITIF DE CHAUFFAGE INDUCTIF POUR BANDE METALLIQUE**
[72] TAIRA, MASATO, JP
[72] HIROTA, YOSHIAKI, JP
[72] ITOH, TAKEO, JP
[73] NIPPON STEEL CORPORATION,
[85] 2017-02-13
[86] 2015-09-03 (PCT/JP2015/075133)
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[25] EN
[54] **SYSTEMS AND METHODS OF FEEDING HOOK FASTENING ELEMENTS INTO A MOLD ASSEMBLY LINE**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'INTRODUIRE DES ELEMENTS DE FIXATION A CROCHETS DANS UNE CHAINE DE MONTAGE DE MOULES**
[72] SHO, YOSHIYUKI, JP
[72] NAKATA, YOSHIFUMI, US
[72] YONESHIMA, HISASHI, JP
[72] YOSHIDA, TOMONARI, US
[72] YOSHIDA, TAKANORI, US
[73] YKK CORPORATION,
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[25] EN
[54] **FLEXIBLE SOFT MAGNETIC CORE, ANTENNA WITH FLEXIBLE SOFT MAGNETIC CORE AND METHOD FOR PRODUCING A FLEXIBLE SOFT MAGNETIC CORE**
[54] **NOYAU A AIMANTATION TEMPORAIRE FLEXIBLE, ANTENNE AVEC NOYAU A AIMANTATION TEMPORAIRE FLEXIBLE ET PROCEDE POUR FABRIQUER UN NOYAU A AIMANTATION TEMPORAIRE FLEXIBLE**
[72] NAVARRO PEREZ, FRANCISCO EZEQUIEL, ES
[72] ROJAS CUEVAS, ANTONIO, ES
[73] PREMO, S.A.,
[85] 2017-02-24
[86] 2015-07-24 (PCT/IB2015/001238)
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[25] EN
[54] **POWDER COMPRISING HYDROLYZABLE RESIN PARTICLES**
[54] **POUDRE COMPRENANT DES PARTICULES DE RESINE HYDROLYSABLE**
[72] YOSHIKAWA, SEISHI, JP
[72] YAMADA, TOSHIKI, JP
[72] KATAYAMA, TSUTAKI, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD.,
[85] 2017-03-08
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[54] **DELAMINATION CONTAINER**
[54] **RECIPIENT DE DESTRATIFICATION**
[72] AKIYAMA, YOSHIO, JP
[72] KUDO, MASAKAZU, JP
[72] KUTSUZAWA, SHINTARO, JP
[73] YOSHINO KOGYOSHO CO., LTD.,
[85] 2017-03-27
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[25] EN
[54] **RECOVERY AND FAULT-TOLERANCE UNDER COMPUTATIONAL INDETERMINISM**
[54] **RECUPERATION ET TOLERANCE AUX PANNES DANS DES CONDITIONS D'INDETERMINISME COMPUTATIONNEL**
[72] STANFILL, CRAIG W., US
[73] AB INITIO TECHNOLOGY LLC,
[85] 2017-04-12
[86] 2015-10-19 (PCT/US2015/056159)
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[25] EN
[54] **PHARMACEUTICAL COMBINATION COMPRISING PONESIMOD AND DIMETHYL FUMARATE OR DERIVATIVES THEREOF**
[54] **COMBINAISON PHARMACEUTIQUE RENFERMANT DU PONESIMOD ET DU FUMARATE DE DIMETHYLE OU DES DERIVES DE CEUX-CI**
[72] CLOZEL, MARTINE, CH
[72] PIALI, LUCA, CH
[73] ACTELION PHARMACEUTICALS LTD,
[85] 2017-04-12
[86] 2015-12-10 (PCT/EP2015/079311)
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[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR RECEIVING AND DECODING A SIGNAL IN THE PRESENCE OF NOISE USING SLICES AND WARPING**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE RECEPTION ET DE DECODAGE DE SIGNAL EN PRESENCE DE BRUIT A L'AIDE DE TRANCHES ET D'UNE DISTORSION**
[72] KUSHNER, CHERIE, US
[72] FLEMING, ROBERT, US
[72] MCALLISTER, WILLIAM H., US
[72] ZDEBLICK, MARK, US
[73] PROTEUS DIGITAL HEALTH, INC.,
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[87] (2965941)
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[54] **ELEVATOR SYSTEM**
[54] **SYSTEME D'ASCENSEUR**
[72] DRAEGER, OLIVER, DE
[73] THYSSENKRUPP AG,
[73] THYSSENKRUPP ELEVATOR AG,
[85] 2017-05-03
[86] 2015-11-13 (PCT/EP2015/076541)
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[54] **SIMPLIFIED LOCAL ROUTING**
[54] **ROUTAGE LOCAL SIMPLIFIE**
[72] CENTONZA, ANGELO, GB
[72] FORD, ALAN, GB
[72] KIISKI, MATTI, GB
[72] LAITILA, MATTI, GB
[72] MICHEL, JURGEN, GB
[72] VESTERINEN, SEPPO, FI
[73] NOKIA SOLUTIONS AND NETWORKS OY,
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[25] EN
[54] **DOSING REGIMEN FOR A SELECTIVE S1P1 RECEPTOR AGONIST**
[54] **REGIME POSOLOGIQUE POUR UN AGONISTE DE RECEPTEUR S1P1 SELECTIF**
[72] DINGEMANSE, JASPER, CH
[72] HOCH, MATTHIAS, GB
[72] KRAUSE, ANDREAS, CH
[73] ACTELION PHARMACEUTICALS LTD,
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[51] **Int.Cl. H01R 13/639 (2006.01) B61G 5/10 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE**
[72] GUZELDERELI, YASIN, US
[72] WALSE, ALAN S., US
[72] ANDERSON, JOHN D., US
[73] STANDARD CAR TRUCK COMPANY,
[86] (2968569)
[87] (2968569)
[22] 2017-05-29
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[25] FR
[54] **WASTE SORTING DEVICE HAVING AN IMPROVED ROTARY SCREEN**
[54] **DISPOSITIF DE TRI DE DECHETS A CRIBLE ROTATIF AMELIORE**
[72] GOMEZ, REMI, FR
[73] GREEN CREATIVE,
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[25] EN
[54] **USE OF COMPOSITION CONTAINING IRON (II) AMINO ACID CHELATE IN PREPARING DRUG FOR REGULATING AND CONTROLLING FAT METABOLISM**
[54] **UTILISATION D'UNE COMPOSITION CONTENANT DU CHELATE D'ACIDE AMINE DE FER (II) DANS LA PREPARATION D'UN MEDICAMENT DESTINE A REGULER ET A CONTROLER LE METABOLISME DES GRAISSES**
[72] LIN, TSUN-YUAN, CN
[72] JAN, HSUN-JIN, CN
[72] FU, CHAI-HUI, CN
[72] CHEN, TSANG-TSE, CN
[72] CHEN, MU-KUEI, CN
[72] LEE, HORNG-MO, CN
[73] PROFEAT BIOTECHNOLOGY CO., LTD.,
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[25] EN
[54] **DISC-TYPE AIR ECOSYSTEM BOX AND CLIMATIC ECOLOGIZED AIR-CONDITIONING METHOD THEREFOR**
[54] **BOITE ECOSYSTEME D'AIR DE TYPE CIRCULAIRE ET PROCEDE DE CONDITIONNEMENT D'AIR ECOLOGIQUE CLIMATIQUE ASSOCIE**
[72] LU, HUI, CN
[72] DING, HUANQING, CN
[72] WEI, PENGFENG, CN
[73] JIANGSU FENGSHEN AIR CONDITIONING GROUP CO.,LTD,
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[25] EN
[54] **METHOD FOR CONTROLLING A GAS SUPPLY TO A VACUUM PUMP.**
[54] **METHODE DE CONTROLE D'UN APPROVISIONNEMENT EN GAZ A UNE POMPE A VIDE**
[72] COECKELBERGS, JOERI, BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP,
[85] 2017-06-29
[86] 2016-01-07 (PCT/BE2016/000005)
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[30] US (62/103,723) 2015-01-15
[30] US (62/103,766) 2015-01-15
[30] BE (2015/5072) 2015-02-11
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[25] EN
[54] **BROADCASTING SIGNAL FRAME GENERATION APPARATUS AND METHOD USING LAYERED DIVISIONAL MULTIPLEXING**
[54] **APPAREIL DE GENERATION DE TRAME DE SIGNAL DE DIFFUSION ET PROCEDE UTILISANT UN MULTIPLEXAGE PAR REPARTITION EN COUCHES**
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE,
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[30] KR (10-2015-0002588) 2015-01-08
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[25] EN
[54] **CLOSURE FOR PRESSURE VESSEL OR PIPELINE**
[54] **FERMETURE DESTINEE A UN RECIPIENT OU UNE CANALISATION DE PRESSION**
[72] KOZAK, KEITH ALAN, CA
[73] IN-LINE FLOW PRODUCTS LTD.,
[86] (2973149)
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[54] **SYSTEME ET PROCEDE DE PREPARATION DE POUDRE DE PENTOXYDE DE DIVANADIUM DE GRANDE PURETE**
[72] FAN, CHUANLIN, CN
[72] ZHU, QINGSHAN, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[73] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES,
[73] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD.,
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[54] **DISTRIBUTEUR DE GAZ POUR COLONNE D'ECHANGE THERMIQUE ET/OU COLONNE DE TRANSFERT DE MASSE**
[72] KURUKCHI, SABAH, US
[72] KRUG, KENNETH EDWARD, US
[72] FEWEL, KENNETH JACK, US
[73] TECHNIP PROCESS TECHNOLOGY, INC.,
[85] 2017-07-21
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[54] **COMPOSITIONS ELASTOMERES ET LEURS APPLICATIONS**
[72] GUBBELS, FREDERIC, BE
[72] TEXEIRA, SANDRINE, BE
[73] DOW CORNING CORPORATION,
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[54] **FILTRAGE DE DIAGRAMMES DE LIGNAGE DE DONNEES**
[72] RADIVOJEVIC, DUSAN, US
[73] AB INITIO TECHNOLOGY LLC,
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[25] EN
[54] **TRAFFIC MONITORING SYSTEM FOR MONITORING A TRAFFIC AREA**
[54] **SYSTEME DE SURVEILLANCE DE LA CIRCULATION ROUTIERE POUR LA SURVEILLANCE D'UNE AIRE DE CIRCULATION ROUTIERE**
[72] ZWICK, MARCUS, DE
[72] HETZ, JULIA, DE
[72] JELL, THOMAS, DE
[72] REUTER, UWE, DE
[72] POPRAWA, FLORIAN, DE
[72] WISCHEROPP, DIRK, DE
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[73] SIEMENS MOBILITY GMBH,
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[54] **CONTROL AND MONITORING OF BATTERY-BACKED EMERGENCY LIGHTING SYSTEMS**
[54] **COMMANDE ET SURVEILLANCE DE SYSTEMES D'ECLAIRAGE D'URGENCE A BATTERIE DE SECOURS**
[72] KOOSHA, EMAN, US
[72] HEBBORN, KEVIN, US
[72] AHMAD, RIZWAN, US
[73] DIALIGHT CORPORATION,
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[54] **POWER TUBE CONNECTION STRUCTURE OF POWER AMPLIFIER AND POWER AMPLIFIER**
[54] **STRUCTURE DE CONNEXION DE TUBE DE PUISSANCE D'AMPLIFICATEUR DE PUISSANCE, ET AMPLIFICATEUR DE PUISSANCE**
[72] LI, SONGLIN, CN
[72] TIAN, PENGBO, CN
[72] WANG, QINGYUN, CN
[72] XU, LIANG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[54] **PROCEDE DE CREATION D'UN MOTIF CACHE**
[72] BOLLSTROM, ROGER, CH
[72] SCHOELKOPF, JOACHIM, CH
[72] GANE, PATRICK, A. C., CH
[73] OMYA INTERNATIONAL AG,
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[54] **GRANULES GASTRO-RESISTANTS CONTENANT UN INHIBITEUR DE LA POMPE A PROTONS**
[72] ATILIO LOS, MARIO, AR
[73] LABORATORIOS BAGO S.A.,
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[54] **APPAREIL D'ETANCHEITE, APPAREIL A SOUPAPE ROTATIVE MODULAIRE, ET MOTEUR**
[72] VASELENIUCK, DARRICK, US
[72] VASELENIUCK, DAVID, US
[73] VAZTEC ENGINE VENTURE, LLC,
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[54] **SEPARATION D'ETAT POUR CHANGEMENTS D'APPLICATION**
[72] SHEEHAN, JOHN M., US
[72] REIERSON, KRISTOFER H., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
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[54] **EXTENDED RANGE TAPPING SLEEVE AND GASKET**
[54] **JOINT D'ETANCHEITE ET MANCHON DE COULEE A PORTEE ETENDUE**
[72] MINICH, RAYMOND C., US
[72] PIONTEK, DARYL M., US
[73] TOTAL PIPING SOLUTIONS, INC.,
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[54] **A SYSTEM AND METHOD TO TRACK TIME & ATTENDANCE OF AN INDIVIDUAL AT A WORKPLACE FOR A SCHEDULED WORKSHIFT**
[54] **SYSTEME ET PROCEDE DE SUIVI D'HORAIRES ET D'ASSIDUITE D'UN INDIVIDU SUR UN LIEU DE TRAVAIL POUR UN POSTE DE TRAVAIL PROGRAMME**
[72] DICKERSON, BRYAN, US
[72] TALLON, JONATHAN MICHAEL, US
[72] SUTCLIFFE, GARY CHARLES, US
[73] API HEALTHCARE CORPORATION,
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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.,
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[54] **HEAT-TREATED STEEL SHEET MEMBER AND METHOD FOR PRODUCING THE SAME**
[54] **ELEMENT DE TOLE D'ACIER TRAITE THERMIQUEMENT ET SON PROCEDE DE PRODUCTION**
[72] SUWA, YOSHIHIRO, JP
[72] TABATA, SHINICHIRO, JP
[72] AZUMA, MASAFUMI, JP
[72] HIKIDA, KAZUO, JP
[73] NIPPON STEEL CORPORATION,
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[54] **IMPROVED COATING SYSTEM, USE THEREOF FOR COATING COMPONENTS AND THUS COATED COMPONENTS FOR RAIL VEHICLES AND AIRCRAFT**
[54] **SYSTEME DE REVETEMENT AMELIORE, UTILISATION DUDIT SYSTEME POUR REVETIR DES COMPOSANTES ET COMPOSANTES AINSI REVETUES DESTINEES A DES VEHICULES SUR RAIL ET UN AERONEF**
[72] WEHNER, JOCHEN, DE
[72] COSTA, ANDREA, DE
[73] MANKIEWICZ GEBR. & CO. GMBH & CO. KG,
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[54] **SYSTEM AND METHOD FOR PROVISIONING AND REGISTRATION**
[54] **SYSTEME ET PROCEDE DE MISE EN SERVICE ET D'ENREGISTREMENT**
[72] WILSON, JAMIE P., US
[72] KING, KEVIN ELLIOTT, US
[73] INTERACTIVE INTELLIGENCE GROUP, INC.,
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[54] **METHOD AND APPARATUS FOR SELECTING A SERVICE INSTANCE**
[54] **PROCEDE ET APPAREIL DE SELECTION D'INSTANCE DE SERVICE**
[72] LIN, LIN, US
[72] METKE, ANTHONY R., US
[72] NAKFOUR, JUANA E., US
[72] SUTTMANN, KAREN M., US
[73] MOTOROLA SOLUTIONS, INC.,
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[54] **COMPACT CONNECTOR AND COMPACT SOCKET FOR ELECTRICALLY POWERING A PORTABLE DEVICE FROM A FIXED NETWORK**
[54] **CONNECTEUR ET EMBASE COMPACTS POUR ALIMENTER ELECTRIQUEMENT UN MOBILE A PARTIR D'UN RESEAU FIXE**
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[73] NEW GENERATION NATURAL GAS NATURAL GROWTH,
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[54] **OVERSHOE FOOTWEAR TRACTION DEVICE**
[54] **DISPOSITIF DE TRACTION DE CHAUSSURE COMPORTANT UN COUVRE-CHAUSSURE**
[72] CHANEY, BRIAN, US
[72] O'BOYLE, BRIAN, US
[72] MARTIN, MATT, US
[73] OMNI TRAX, LLC,
[73] CHANEY, BRIAN,
[73] O'BOYLE, BRIAN,
[73] MARTIN, MATT,
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[54] **PAYMENT SYSTEM BASED ON SHARED FUNDS-MANAGEMENT SERVER, AND METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR UN SERVEUR DE GESTION DE FONDS PARTAGES, ET PROCEDE, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD.,
[85] 2017-12-08
[86] 2015-05-28 (PCT/CN2015/080086)
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[54] **FIBER REINFORCED POLYPROPYLENE COMPOSITION WITH HIGH STRAIN AT BREAK**
[54] **COMPOSITION DE PROPYLENE RENFORCEE DE FIBRES PRESENTANT UNE HAUTE CONTRAINTE A LA RUPTURE**
[72] JERABEK, MICHAEL, AT
[72] STOCKREITER, WOLFGANG, AT
[73] BOREALIS AG,
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[54] **JOINT TORIQUE**
[72] NACHTMANN, ANTON, DE
[73] W.L. GORE & ASSOCIATES GMBH,
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[54] **BINDING MACHINE**
[54] **MACHINE DE LIAISON**
[72] ITAGAKI, OSAMU, JP
[72] MORIJIRI, TAKESHI, JP
[72] SERA, TATSUNORI, JP
[72] CHIGIRA, TAKUYA, JP
[72] TAKEUCHI, KAZUHISA, JP
[72] TAKEUCHI, SADAYOSHI, JP
[73] MAX CO., LTD.,
[85] 2017-12-19
[86] 2016-07-21 (PCT/JP2016/071409)
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[30] JP (2015-145282) 2015-07-22
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[51] **Int.Cl. C07D 307/50 (2006.01)**
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[54] **PROCESS FOR THE PREPARATION OF A FURFURAL DERIVATIVE**
[54] **PROCEDE POUR LA PREPARATION D'UN DERIVE DE FURFURAL**
[72] SIJBEN, JOHANNES MARIA FRANCISCUS, NL
[72] MAZOYER, ETIENNE, NL
[72] DE SOUSA DIAS, ANA SOFIA VAGUEIRO, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[73] SYNVINA C.V.,
[85] 2017-12-21
[86] 2016-07-01 (PCT/NL2016/050469)
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[25] EN
[54] **EGG ORIENTING ASSEMBLY, AND ASSOCIATED SYSTEM, DEVICE AND METHOD**
[54] **ENSEMBLE D'ORIENTATION D'□UFS, AINSI QUE SYSTEME, DISPOSITIF ET PROCEDE ASSOCIES**
[72] SUH, WILLIAM DONGWOOK, US
[72] FEDEROWICZ, JOSEPH, US
[73] ZOETIS SERVICES LLC,
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[86] 2016-07-19 (PCT/US2016/042885)
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[51] **Int.Cl. G21C 19/32 (2006.01)**
[25] EN
[54] **NUCLEAR POWER PLANT SPENT FUEL NEGATIVE PRESSURE UNLOADING SYSTEM**
[54] **SYSTEME DE DECHARGEMENT A DEPRESSION DE COMBUSTIBLE EPUISE DE CENTRALE NUCLEAIRE**
[72] WANG, JINHUA, CN
[72] ZHANG, ZUOYI, CN
[72] WU, BIN, CN
[72] LI, YUE, CN
[73] TSINGHUA UNIVERSITY,
[85] 2017-12-29
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[51] **Int.Cl. C22F 1/04 (2006.01)**
[25] EN
[54] **METHODS OF OFF-LINE HEAT TREATMENT OF NON-FERROUS ALLOY FEEDSTOCK**
[54] **PROCEDES DE TRAITEMENT THERMIQUE HORS-LIGNE D'UN PRODUIT DE DEPART EN ALLIAGE NON FERREUX**
[72] WYATT-MAIR, GAVIN F., US
[72] TOMES, DAVID A., US
[72] BENNON, WILLIAM D., US
[72] KILMER, RAYMOND J., US
[72] RIGGS, JAMES C., US
[72] NEWMAN, JOHN M., US
[72] ROUNS, THOMAS N., US
[72] UNAL, ALI, US
[73] ARCONIC INC.,
[85] 2018-01-05
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[54] **PEROVSKITE MATERIAL LAYER PROCESSING**
[54] **TRAITEMENT DE COUCHE DE MATERIAU DE PEROVSKITE**
[72] IRWIN, MICHAEL D., US
[72] CHUTE, JERRED A., US
[72] DHAS, VIVEK V., US
[73] HEE SOLAR, L.L.C.,
[85] 2018-01-09
[86] 2016-07-06 (PCT/US2016/041090)
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[51] **Int.Cl. G08G 1/16 (2006.01) H04N 5/225 (2006.01)**
[25] EN
[54] **TRAFFIC LIGHT RECOGNITION DEVICE AND TRAFFIC LIGHT RECOGNITION METHOD**
[54] **DISPOSITIF DE RECONNAISSANCE DE FEU DE CIRCULATION ET PROCEDE DE RECONNAISSANCE DE FEU DE CIRCULATION**
[72] YAMANOI, DAIKI, JP
[72] MATSUO, HARUO, JP
[72] OKI, TAKAHIKO, JP
[72] SUZUKI, AKIRA, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2018-01-10
[86] 2015-07-13 (PCT/JP2015/070041)
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[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**
[25] EN
[54] **SECUREMENT OF A WEAR MEMBER TO AN EXCAVATION IMPLEMENT**
[54] **FIXATION D'UN ELEMENT D'USURE A UN OUTIL D'EXCAVATION**
[72] RUVANG, JOHN A., CA
[73] BLACK CAT WEAR PARTS LTD.,
[85] 2018-01-16
[86] 2016-05-26 (PCT/US2016/034332)
[87] (WO2017/204809)

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[51] **Int.Cl. B63B 21/00 (2006.01) B63B 21/50 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM AND METHOD FOR VESSEL MOORING**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE POUR AMARRAGE DE NAVIRE**
[72] O'SULLIVAN, JAMES FRANCIS, JR., FR
[72] TCHERNIGUIN, NICOLAS, FR
[73] TECHNIP FRANCE,
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[86] 2016-07-14 (PCT/US2016/042214)
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[51] **Int.Cl. F16B 7/04 (2006.01)**
[25] EN
[54] **RELEASABLE COUPLING SYSTEM**
[54] **SYSTEME D'ACCOUPLEMENT LIBERABLE**
[72] GARZA MONTEMAYOR, JOSE GUADALUPE, MX
[72] GARZA MONTEMAYOR, JORGE EUGENIO, MX
[73] GARZA MONTEMAYOR, JOSE GUADALUPE,
[73] GARZA MONTEMAYOR, JORGE EUGENIO,
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[54] **BLOUSE CHIRURGICALE JETABLE**
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[73] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY,
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[54] **METHOD FOR AUTOCLAVE-FREE LAMINATION OF A COMPOSITE PANE**
[54] **PROCEDE DE STRATIFICATION SANS AUTOCLAVE D'UNE PLAQUE COMPOSITE**
[72] GIER, STEPHAN, DE
[72] LUCKE, STEFAN, DE
[72] KLUCZEWSKI, WOJCIECH, PL
[73] SAINT-GOBAIN GLASS FRANCE,
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[54] **FLOW CONTROL IN SUBTERRANEAN WELLS**
[54] **CONTROLE D'ECOULEMENT DANS LES PUITS SOUTERRAINS**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FERGUSON, ANDREW, US
[73] THRU TUBING SOLUTIONS, INC.,
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[54] **CHARNIERE ET SUPPORT DE CHARNIERE**
[72] YAMAGUCHI, KOUSHI, JP
[73] SUGATSUNE KOGYO CO., LTD.,
[85] 2018-02-28
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[54] **SYSTEMES ET PROCEDES DE NAVIGATION SUR TERRAINS DECOUVERTS**
[72] ZAPHIR, DAVID, IL
[72] ARIAV, IDO, IL
[72] GOLDMAN, BENNY, IL
[73] ELBIT SYSTEMS LAND AND C4I LTD.,
[85] 2018-03-08
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[54] **LADDER INSTALLATION FOR EQUIPMENT TOWER**
[54] **INSTALLATION D'ECHELLE POUR PYLONE**
[72] LOCKWOOD, JAMES D., US
[72] CHASE, MATTHEW J., US
[72] CARBONELL, LUIS E., US
[73] SIEMENS GAMESA RENEWABLE ENERGY, INC.,
[73] WIND TOWER TECHNOLOGIES, LLC,
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[54] **SYSTEMES DE FERMETURE DE TYPE A VIS COMPRENANT DES ELEMENTS MAGNETIQUES**
[72] JACOB, CHRISTOPHE, FR
[72] BOUIX, HERVE, US
[73] ELC MANAGEMENT LLC,
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[72] YASUDA, RYUJI, JP
[73] THE YOKOHAMA RUBBER CO., LTD.,
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[54] **WATER-COOLED LED LIGHTING SYSTEM FOR INDOOR FARMING**
[54] **SYSTEME D'ECLAIRAGE A DEL REFROIDI PAR EAU POUR CULTURE EN SALLE**
[72] STOREY, NATHANIEL R., US
[72] SMITH, DAMON HENRY, US
[72] STUTZMAN, KENNETH, US
[72] LIM, JING YI, SG
[73] MJNN, LLC,
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[54] **SELECTING A PARENT NODE IN A TIME-SLOTTED CHANNEL HOPPING NETWORK**
[54] **SELECTION DE N□UD PARENT DANS UN RESEAU A SAUT DE CANAL A INTERVALLE DE TEMPS**
[72] SHUDARK, JEFFREY, US
[72] HANLEY, JAMES PATRICK, US
[73] LANDIS+GYR INNOVATIONS, INC.,
[85] 2018-04-17
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[54] **ENSEMBLE REGISTRE**
[72] MANTENUTO, PAOLO, CA
[73] 2721111 ONTARIO INC.,
[85] 2018-06-15
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[54] **RAIL POST VERTICAL EXTENSION SYSTEM**
[54] **SYSTEME DE RALLONGE VERTICALE DE POTEAU DE RAIL**
[72] ZOUTMAN, RYAN, CA
[73] ZOUTMAN, RYAN,
[86] (3009410)
[87] (3009410)
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[54] **BICYCLETTE ELECTRIQUE**
[72] GIBBINGS, HENRY ALBERT, MC
[73] S.C.P. TYPHOON,
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[54] **VEHICLE REAR WING WITH ADAPTIVE SECTION AND EXTENDABLE FLAP**
[54] **AILE ARRIERE DE VEHICULE A SECTION ADAPTATIVE ET VOLET EXTENSIBLE**
[72] CZAPKA, RICHARD ANTHONY, CA
[72] CAUSLEY, JOEL DAVID, CA
[72] GRUBER, RUDOLF, CA
[73] MULTIMATIC INC.,
[85] 2018-07-10
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[54] **OCCUPANCY AND NON-OCCUPANCY DETECTION IN THE LIGHTING SYSTEM**
[54] **DETECTION D'OCCUPATION ET D'INOCCUPATION DANS LE SYSTEME D'ECLAIRAGE**
[72] MIU, MICHAEL, US
[72] LU, MIN-HAO MICHAEL, US
[73] ABL IP HOLDING, LLC,
[86] (3012026)
[87] (3012026)
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[54] **FIXATION PORTABLE DE BOUCLE DE DETECTION A FIBRE OPTIQUE**
[72] NGUYEN, GARY, US
[72] SITKA, MARK A., US
[72] SOBOLEWSKI, ZBIGNIEW, US
[72] SPROSS, RONALD L., US
[73] HALLIBURTON ENERGY SERVICES, INC.,
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[54] **AIR CONDITIONER DRIVING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT D'UN APPAREIL DE CONDITIONNEMENT DE L'AIR**
[72] HU, JUN, CN
[72] DENG, YONGMING, CN
[72] LIU, PING, CN
[73] ZHANG, BOTAO,
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[54] **A METHOD AND A SYSTEM FOR MEASURING POWER LOSS IN A POWER TRANSFORMER**
[54] **PROCEDE ET SYSTEME DE MESURE DE PERTE DE PUISSANCE DANS UN TRANSFORMATEUR DE PUISSANCE**
[72] ABEYWICKRAMA, NILANGA, SE
[72] KARLSSON, SVANTE, SE
[72] BENGTSSON, TORD, SE
[73] ABB SCHWEIZ AG,
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[54] **BARRIERE PROTECTRICE DYNAMIQUE**
[72] CZERNIATEWICZ, MACIEJ, CA
[73] CZERNIATEWICZ, MACIEJ,
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[54] **APPARATUS, SYSTEM AND METHOD FOR LIVE WELL ARTIFICIAL LIFT COMPLETION**
[54] **APPAREIL, SYSTEME ET PROCEDE POUR COMPLETION DE LEVAGE ARTIFICIEL DE PUITS EN EXPLOITATION**
[72] BENNETT, BRUCE RICHARD, CA
[72] DINKINS, WALTER RUSSELL, US
[72] HEDGES, JOHN FARRAR, CA
[73] HALLIBURTON ENERGY SERVICES, INC.,
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[54] **REINFORCING MEMBERS MADE OF RESIN IMPREGNATED FIBERS SUBJECTED TO PLASMA IRRADIATION**
[54] **ELEMENTS DE RENFORT FAITS DE FIBRES IMPREGNEES DE RESINE SOUMIS A UN RAYONNEMENT AU PLASMA**
[72] KONO, KENTARO, JP
[72] TAKEMOTO, SHINICHIRO, JP
[72] UCHIDA, HIROSHI, JP
[73] NISSAN MOTOR CO., LTD.,
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[54] **SYSTEMES, SUPPORT INFORMATIQUE ET PROCEDES INFORMATIQUES POUR SURVEILLER ET AMELIORER LA SANTE ET LA PRODUCTIVITE D'EMPLOYES**
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[73] SAUDI ARABIAN OIL COMPANY,
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[54] **GENERATEUR D'ENERGIE MODULAIRE**
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[72] KELLOGG, MINGMING GUE, US
[73] KELLOGG'S RESEARCH LABS,
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[54] **TRANSMISSION D'INFORMATIONS D'ETAT DE CANAL DANS UN RESEAU SANS FIL**
[72] DINAN, ESMAEL, US
[73] OFINNO, LLC,
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[54] **ENSEMBLE SERINGUE REUTILISABLE COMPRENANT UN CADRE DE PROTECTION RETRACTABLE**
[72] SAWYER, MELVYN LLOYD, CA
[73] ULTIMATE SYRINGETEK INC.,
[85] 2018-10-12
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[54] **COMPOSES COUMARINES ET LEURS UTILISATIONS EN TANT QUE MARQUEURS FLUORESCENTS**
[72] ROMANOV, NIKOLAI, GB
[73] ILLUMINA CAMBRIDGE LIMITED,
[85] 2018-11-28
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[25] EN
[54] **VADIR BARRIER: A CONCRETE SLAB UNDERLAYMENT WITH ALL-IN-ONE VOID FORM, AIR BARRIER, DRAINAGE PLANE, INSULATION AND RADON PROTECTION**
[54] **VADIR BARRIER : UNE SOUS-COUCHE DE DALLE DE BETON DOTEE D'UNE FORME DE VIDE TOUT-EN-UN, UNE BARRIERE D'AIR, UN PLAN DE DRAINAGE, UNE ISOLATION ET UNE PROTECTION CONTRE LE RADON**
[72] KOWALCHUK, JONATHAN, CA
[73] KOWALCHUK, JONATHAN,
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[54] **ORGUE A TENSION DE TOUCHE VARIABLE**
[72] PETERSEN, JENS PETER, CA
[72] BLAIN, DENIS, CA
[73] CASAVANT FRERES,
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[54] **PREPARATION D'ECHANTILLON RAPIDE POUR ANALYSE ANALYTIQUE AU MOYEN D'UNE EXTRACTION EXCITEE DISPERSIVE**
[72] BEARD, MATTHEW N., US
[72] COLLINS, MICHAEL J., SR., US
[72] ELLIOTT, PAUL C., US
[72] LAMBERT, JOSEPH J., US
[73] CEM CORPORATION,
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[54] **DISPOSITIF DE FIXATION DESTINE AU RACCORD RAPIDE D'EQUIPEMENT DE TREKKING, TIR ET ASSISTE PAR POIDS**
[54] **ATTACHMENT DEVICE FOR QUICK CONNECT OF TREKKING, SHOOTING AND WEIGHT ASSIST EQUIPMENT**
[72] RAU, JONATHON M., US
[72] PHILLIPS, WAYNE, US
[73] RAU, JONATHON M.,
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[25] EN
[54] **USE OF FIBER FILM REACTORS TO EFFECT SEPARATION AND REACTION BETWEEN TWO IMMISCIBLE REACTION COMPONENTS**
[54] **UTILISATION DE REACTEURS DE FILM DE FIBRE POUR EFFECTUER LA SEPARATION ET LA REACTION ENTRE DEUX COMPOSANTS DE REACTION NON MISCIBLES**
[72] MASSINGILL, JOHN LEE, US
[73] CHEMTOR, LP,
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[54] **APPARATUS, KIT, AND METHOD FOR PERFORMING STRAP-BASED EXERCISES**
[54] **APPAREIL, KIT ET PROCEDE POUR EFFECTUER DES EXERCICES A BASE DE SANGLES**
[72] HETRICK, RANDAL, US
[72] HERNAN DELGADO, MAURICIO, US
[73] FITNESS ANYWHERE LLC,
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[54] **SYSTEME DE COMMANDE DE FREIN DE LOCOMOTIVE INTELLIGENT**
[72] WRIGHT, ERIC C., US
[72] REYNOLDS, JOHN M., US
[73] NEW YORK AIR BRAKE LLC,
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[25] EN
[54] **SYSTEM FOR MIXING AND DISPENSING FLUIDS**
[54] **SYSTEME DE MELANGE ET DE DISTRIBUTION DE LIQUIDES**
[72] BLUHM, MATTHEW A., US
[72] DRAKE, JOSEPH R., US
[72] OUDHUESDEN, MEGGIE L., US
[72] CLARK, MARK R., US
[72] MURRAY, THOMAS WILLIAM, US
[72] ALBERT, JONATHAN D., US
[73] DECON7 SYSTEMS, LLC,
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[87] (WO2018/125943)
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[54] **CATHETER URINAIRE EMBALLE AVEC SYSTEME DE DISTRIBUTION DE CATHETER**
[72] PALMER, TIMOTHY A., US
[73] CURE MEDICAL LLC,
[86] (3051742)
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[25] EN
[54] **CRANPON CLIPPER FOR MOUNTAINEERING BOOT CRAMPONS LACE TO SECURE EXTRA LENGTH OF CRAMPON LACE**
[54] **TYPE D'ATTACHE A CRAMPONS POUR UNE CHAUSSURE DE MONTAGNE A CRAMPONS AVEC DENTELLE POUR FIXER LA LONGUEUR SUPPLEMENTAIRE DES CRAMPONS AVEC DENTELLE**
[72] UNKNOWN, XX
[71] DUNCAN, JOSEPH, CA
[22] 2018-07-13
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[25] EN
[54] **ACID RESISTANT POLYETHYLENE CONTAINERS**
[54] **CONTENANTS DE POLYETHYLENE RESISTANT AUX ACIDES**
[72] HAY, HENRY F., CA
[72] WASYLENKO, DEREK, CA
[72] TIKUISIS, TONY, CA
[72] ARNOULD, GILBERT, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[54] **METAL COMPLEXES AND METHODS OF PREPARING THE SAME**
[54] **COMPLEXES METALLIQUES ET LEURS PROCEDES DE FABRICATION**
[72] BARRY, BLIGHT, CA
[72] BARBORA, BALONOVA, CA
[71] BARRY, BLIGHT, CA
[71] BARBORA, BALONOVA, CA
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[51] **Int.Cl. A61F 13/38 (2006.01)**
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[54] **EAR CLEANING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DES OREILLES**
[72] UNKNOWN, XX
[71] HUNNIFORD, TROY T., CA
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[41] 2020-01-12

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[54] **IMPROVED RAILING ASSEMBLY**
[54] **ENSEMBLE DE GARDE-FOUS AMELIORE**
[72] LEGER, SEBASTIEN, CA
[71] IMPERIAL MANUFACTURING GROUP INC., CA
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[25] EN
[54] **CONFIGURABLE COMPUTER WORKSTATION**
[54] **POSTE DE TRAVAIL INFORMATIQUE CONFIGURABLE**
[72] PATRICK, GREGORY DAVID, CA
[72] ZWINKELS, MAURICE FRANCISCUS, CA
[72] DALL'ARMI, VIVIAN FRANCESCA, CA
[71] REDRICK TECHNOLOGIES INC., CA
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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CALCULATING AND STORING PREDICTED TRAVEL TIMES**
[54] **SYSTEME ET PROCEDE DE CALCUL ET DE STOCKAGE DES TEMPS DE DEPLACEMENT PREDITS**
[72] HO, WILLIAM P. C., US
[71] WAYE, LLC, US
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 9/18 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **AUTOMATIC PRODUCT IDENTIFICATION IN INVENTORIES, BASED ON MULTIMODAL SENSOR OPERATION**
[54] **IDENTIFICATION AUTOMATIQUE DES PRODUITS DANS LES INVENTAIRES FONDEE SUR LE FONCTIONNEMENT DU CAPTEUR MULTIMODAL**
[72] FAZEKAS, ISTVAN, HU
[72] FAZEKAS, CSABA, HU
[72] VASZARI, ZSOLT, HU
[71] E-VENTOR TECH KFT., HU
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[54] **MINICRAVATE**
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[71] ANARAH, CHUKWUEMEKA, US
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[54] **DISCOVER CROSS REFERENCE SEARCH/FILTER TECHNOLOGY**
[54] **DECOUVREZ LA RECHERCHE CROISEE ET LA TECHNOLOGIE DE FILTRAGE**
[72] KLOC, MATEUSZ D., CA
[71] KLOC, MATEUSZ D., CA
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[54] **MINICRAVATE**
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[71] ANARAH, CHUKWUEMEKA, US
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[25] EN
[54] **PROCESS FOR DESTRUCTION OF NUCLEAR WASTE, RECYCLING OF NUCLEAR FUEL AND SEPARATION OF ISOTOPES**
[54] **METHODE POUR LA DESTRUCTION DE DECHETS NUCLEAIRES, LE RECYCLAGE DES COMBUSTIBLES NUCLEAIRES ET LA SEPARATION DES ISOTOPES**
[72] RYGAS, TADEUSZ P., CA
[71] RYGAS, TADEUSZ P., CA
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[51] **Int.Cl. A47B 9/00 (2006.01) A47B 9/20 (2006.01) A47B 21/02 (2006.01) B66F 3/44 (2006.01)**
[25] FR
[54] **SYSTEME DE LEVAGE A UTILISER AVEC DES ELEMENTS DE MEUBLES POUR AMELIORER L`ERGONOMIE**
[54] **LIFTING SYSTEM FOR USE WITH FURNITURE ELEMENTS FOR IMPROVING ERGONOMICS**
[72] LAVOIE, ROBERT, CA
[71] LAVOIE, ROBERT, CA
[22] 2018-07-16
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[51] **Int.Cl. G02F 2/02 (2006.01) G02C 7/00 (2006.01)**
[25] EN
[54] **LIGHT FIELD VISION, INFRARED ASSISTANCE AND IMAGING DEVICES**
[54] **DISPOSITIFS DE CHAMP DE VISION LEGER, D`ASSISTANCE INFRAROUGE ET D`IMAGERIE**
[72] GOTSCH, DANIEL, CA
[72] GOC, MATEJ, CA
[72] ETIGSON, JOSEPH IVAR, CA
[71] EVOLUTION OPTIKS LIMITED, BB
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[25] EN
[54] **METHOD AND SYSTEM FOR TRANSPORTING BITUMEN IN BRICK FORM**
[54] **PROCEDE ET SYSTEME DE TRANSPORT DE BITUME AYANT LA FORME D`UNE BRIQUE**
[72] YU, FUHUA FRANK F.Y., CA
[72] DAI, YULING TRACY T.D., CA
[72] ZHANG, KAI K.Z., CA
[72] YU, HAIQI PAUL P.Y., CA
[71] YU, FUHUA FRANK F.Y., CA
[71] DAI, YULING TRACY T.D., CA
[71] ZHANG, KAI K.Z., CA
[71] YU, HAIQI PAUL P.Y., CA
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[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 21/64 (2013.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTI-PARTY ELECTRONIC SIGNING OF ELECTRONIC DOCUMENTS**
[54] **SYSTEME ET PROCEDE POUR LA SIGNATURE ELECTRONIQUE MULTIPARTITE DE DOCUMENTS ELECTRONIQUES**
[72] MALLIAH, AVINASH, CA
[72] BODDISON, GREGORY, CA
[72] CARLE, ANGELIQUE LOUISE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-07-16
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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/10 (2012.01) E01H 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATING THE WORKFLOW OF SNOW CLEARANCE FOR A PROPERTY**
[54] **SYSTEME ET PROCEDE POUR AUTOMATISER LE FLUX DE TRAVAIL DU DENEIGEMENT D`UNE PROPRIETE**
[72] KANALA, MADAN MOHAN GOUD, CA
[71] KANALA, MADAN MOHAN GOUD, CA
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[51] **Int.Cl. A63F 3/06 (2006.01) G07C 15/00 (2006.01) G07F 17/32 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM, AND DEVICE FOR SELECTING A WINNER OF A RAFFLE BASED ON CONTENT FROM RAFFLE TICKETS**
[54] **PROCEDE, SYSTEME ET DISPOSITIF POUR SELECTIONNER LE GAGNANT D`UN TIRAGE AU SPORT FONDE SUR LE CONTENU DES BILLETS DE TIRAGE**
[72] JARADEH, RIM, CA
[72] JARADEH, BACEL, CA
[71] JARADEH, RIM, CA
[71] JARADEH, BACEL, CA
[22] 2018-07-13
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[51] **Int.Cl. H01R 13/646 (2011.01) H01B 11/00 (2006.01)**
[25] EN
[54] **A METHOD FOR LOWERING OVERALL INDUCTANCE IN TERMINATED TRANSMISSION LINE ASSEMBLIES**
[54] **UNE METHODE DESTINEE A REDUIRE L`INDUCTANCE GLOBALE DANS DES SYSTEMES DE LIGNE DE TRANSMISSION**
[72] UNKNOWN, XX
[71] KOWALCYZSZYN, TARAS, CA
[71] SCHROEDER, DOUGLAS, US
[71] HOTTE, KENNETH P., CA
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[25] EN
[54] **MULTIFUNCTIONAL COSMETIC FORMULATION OF SURFACE ACTIVE CELLULOSE NANOCRYSTALS**
[54] **FORMULATION COSMETIQUE MULTIFONCTIONNELLE DE LA CELLULE NANOCRISTALLINE ACTIVE DE LA SURFACE**
[72] TAM, MICHAEL K. C., CA
[71] TAM, MICHAEL K. C., CA
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[25] EN
[54] **APPARATUS AND METHOD FOR SEALING A VENTILATION GAP AT A FILL OPENING OF A STORAGE CONTAINER**
[54] **APPAREIL ET PROCEDE POUR SCELLER UN INTERVALLE DE VENTILATION A UNE OUVERTURE DE REMPLISSAGE D`UN RECIPIENT DE STOCKAGE**
[72] NADEAU, GILBERT, CA
[71] NADEAU, GILBERT, CA
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[51] **Int.Cl. H04W 4/30 (2018.01) H04W 52/02 (2009.01) A01M 23/00 (2006.01) A01M 23/38 (2006.01)**
[25] EN
[54] **A PEST CONTROL SMART DETECTION SYSTEM**
[54] **UN SYSTEME DE DETECTION INTELLIGENT QUI PERMET DE LUTTER CONTRE LES RAVAGEURS**
[72] UNKNOWN, XX
[71] LAPINA, OLGA, CA
[22] 2018-07-17
[41] 2020-01-17

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[13] A1
[51] **Int.Cl. G03B 17/08 (2006.01) A01K 91/18 (2006.01) A01K 97/00 (2006.01) B63C 11/48 (2006.01) B63G 8/42 (2006.01)**
[25] EN
[54] **ACTION CAM UNDERWATER TRAWL MOUNT**
[54] **MONT DE CHALUTIERS SUBAQUATIQUE DE CAMESCOPE**
[72] UNKNOWN, XX
[71] ISDAHL, STEPHEN H., CA
[22] 2018-07-17
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[51] **Int.Cl. A61M 37/00 (2006.01) A45D 34/04 (2006.01)**
[25] EN
[54] **DEVICES FOR APPLYING LIQUID TO SKIN**
[54] **DISPOSITIFS D`APPLICATION DE LIQUIDE SUR LA PEAU**
[72] XIAO, LONG, CA
[71] XIAO, LONG, CA
[22] 2018-07-17
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[51] **Int.Cl. H04L 12/28 (2006.01) H04W 4/021 (2018.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **AUTOMATED POPULATION OF DIGITAL INTERFACES BASED ON DYNAMICALLY GENERATED CONTEXTUAL DATA**
[54] **REMPLISSAGE AUTOMATISE DES INTERFACES NUMERIQUES FONDE SUR LES DONNEES CONTEXTUELLES GENEREES DYNAMIQUEMENT**
[72] MILLER, ROBERT KYLE, CA
[72] TORBICA, SONJA, CA
[72] ESPOSITO, HELENE NICOLE, CA
[72] REILLY, HARRISON MICHAEL JAMES, CA
[72] ODOBETSKIY, KYRYLL, CA
[72] FICHUK, DEXTER LAMONT, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] ABDULLAH, OMAS, CA
[72] WAKIM, MATTA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-07-17
[41] 2020-01-17
[30] US (16/037,057) 2018-07-17

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[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/58 (2006.01) E21B 43/22 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **IN SITU STARTUP PROCESS FOR MOBILIZING BITUMEN IN A RESERVOIR**
[54] **PROCESSUS IN SITU DE DEMARRAGE POUR MOBILISER LE BITUME DANS UN RESERVOIR**
[72] ENGELMAN, RUSSELL, CA
[71] SUNCOR ENERGY INC., CA
[22] 2018-07-18
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[21] **3,011,689**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) F21V 5/00 (2018.01) F21V 13/02 (2006.01) F21K 9/00 (2016.01) F21S 8/02 (2006.01) G02B 3/06 (2006.01)**
[25] EN
[54] **LIGHTING SUB-ASSEMBLY WITH DUAL MODE OPTICAL ELEMENT**
[54] **SOUS-ENSEMBLE D`ECLAIRAGE AYANT UN ELEMENT OPTIQUE A DEUX REGIMES**
[72] YEO, TERENCE, US
[72] MANTHA, LEE, US
[72] DEMAS, MICHAEL, US
[72] KELLY, TIMOTHY, US
[71] FUSION OPTIX, INC., US
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[30] US (62534187) 2018-07-17

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[13] A1
[51] **Int.Cl. F23G 7/08 (2006.01) F23Q 9/00 (2006.01)**
[25] EN
[54] **FLARE PILOT AND FLARE PILOT WITH IGNITOR ASSEMBLY**
[54] **ENSEMBLE DE PILOTE DE TORCHE ET DE PILOTE DE TORCHE AYANT UN ENSEMBLE ALLUMEUR**
[72] CASSIDY, BO-JOHN, CA
[71] FLARETECH INC., CA
[22] 2018-07-18
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[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G08B 13/196 (2006.01)**
[25] EN
[54] **HASH-BASED APPEARANCE SEARCH**
[54] **RECHERCHE D`APPARENCE FONDEE SUR LE HACHAGE**
[72] ALCOCK, NICHOLAS JOHN, CA
[72] AZIZABADIFARAHANI, SEYEDMOSTAFA, CA
[72] CHAU, ALEXANDER, CA
[72] DONALDSON, ROGER DAVID, CA
[71] AVIGILON CORPORATION, CA
[22] 2018-07-17
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[13] A1
[51] **Int.Cl. E06B 9/322 (2006.01) A47H 5/032 (2006.01) A47H 11/00 (2006.01)**
[25] EN
[54] **TAKE-UP DEVICE FOR CURTAIN**
[54] **DISPOSITIF D`ENROULAGE POUR RIDEAU**
[72] LEI, ZHENBANG, CN
[72] LEI, XINGBANG, CN
[71] LEI, ZHENBANG, CN
[71] LEI, XINGBANG, CN
[22] 2018-09-13
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[30] CN (201821141285.0) 2018-07-18

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[13] A1
[51] **Int.Cl. A47L 13/22 (2006.01) A47L 1/08 (2006.01)**
[25] EN
[54] **POWER MOP**
[54] **VADROUILLE ELECTRIQUE**
[72] GARDNER, ROBERT A., US
[71] GARDNER, ROBERT A., US
[71] WESSOL, LLC, US
[22] 2018-09-25
[41] 2020-01-13
[30] US (16/034930) 2018-07-13

[21] **3,026,081**
[13] A1
[51] **Int.Cl. B23K 37/053 (2006.01) F16L 1/10 (2006.01)**
[25] EN
[54] **PIPELINE TIE-IN APPARATUS AND METHODS**
[54] **DISPOSITIF DE RACCORD DE PIPELINE ET METHODE**
[72] BRUINSMA, GREGG R., CA
[71] BRUINSMA, GREGG R., CA
[22] 2018-11-30
[41] 2020-01-13
[30] US (62697724) 2018-07-13

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[51] **Int.Cl. C09D 7/80 (2018.01) C09D 7/40 (2018.01) C09D 5/18 (2006.01) C09D 133/00 (2006.01)**
[25] EN
[54] **PREPARATION FOR ACRYLATE RESIN COATING AND PAINT OF FLAME-RETARDANT, WATER-PROOF AND WATER-BASED CORE-SHELL TYPE**
[54] **PREPARATION POUR REVETEMENT EN RESINE ACRYLIQUE ET PEINTURE DE TYPE C OEUR-COQUILLE A BASE D`EAU HYDROFUGE ET IGNIFUGE**
[72] UNKNOWN, XX
[71] ZHOU, LIANHUI, CN
[22] 2018-12-27
[41] 2020-01-15
[30] CN (2018107739807) 2018-07-15

[21] **3,029,665**
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[51] **Int.Cl. A44C 9/02 (2006.01)**
[25] EN
[54] **RING SIZING INSERT**
[54] **INSERT DE BAGUIER**
[72] VONGNAKHONE, CHALEUNXAY, CA
[71] KALI GROUP HOLDINGS & CO. INC., CA
[22] 2019-01-10
[41] 2020-01-13
[30] US (16/035,515) 2018-07-13

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[13] A1
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[25] EN
[54] **CANNABINOID CHEWING GUM WITH POLYVINYL ACETATE ELASTOMER PLASTICIZERS**
[54] **GOMME A MACHER CONTENANT DES CANNABINOIDES AYANT DES PLASTIFIANTS EL ASTOMERES DE POLY(ACETATE DE VINYLE)**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[71] MEDCAN PHARMA A/S, DK
[22] 2019-01-25
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[13] A1
[51] **Int.Cl. A61K 9/68 (2006.01) A23G 4/06 (2006.01) A23G 4/08 (2006.01) A23G 4/12 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01)**
[25] EN
[54] **CANNABINOID CHEWING GUM WITH HIGH INTENSITY SWEETENERS**
[54] **GOMME A MACHER CONTENANT DES CANNABINOIDES AVEC EDULCORANTS A INTEN SITE ELEVEE**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[71] MEDCAN PHARMA A/S, DK
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[51] **Int.Cl. A61K 9/68 (2006.01) A23G 4/06 (2006.01) A23G 4/08 (2006.01) A23G 4/12 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01) A61K 47/40 (2006.01)**
[25] EN
[54] **CANNABINOID CHEWING GUM WITH IMPROVED RELEASE OF CANNABINOIDS**
[54] **GOMME A MACHER CONTENANT DES CANNABINOIDES AVEC LIBERATION AMELIOREE DE CANNABINOIDES**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[71] MEDCAN PHARMA A/S, DK
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[54] **PLAQUETTE DE FREIN, FREIN A DISQUE ET VEHICULE**
[72] WERDER, MARCO, DE
[72] KERSTEN, FRED, DE
[72] DLUGOSCH, FRANZ-JOSEF, DE
[71] MAT COMMERCIAL VEHICLE PRODUCTS GMBH, DE
[22] 2019-01-28
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[25] EN
[54] **TABLETED CANNABINOID CHEWING GUM WITH IMPROVED RELEASE**
[54] **GOMME A MACHER EN TABLETTE CONTENANT DES CANNABINOIDES AVEC LIBERATI ON AMELIOREE**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[71] MEDCAN PHARMA A/S, DK
[22] 2019-03-01
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[25] EN
[54] **TABLETED CHEWING GUM WITH ENHANCED DELIVERY OF CANNABINOIDS**
[54] **GOMME A MACHER EN TABLETTE AVEC ADMINISTRATION AMELIOREE DE CANNABIN OIDES**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[71] MEDCAN PHARMA A/S, DK
[22] 2019-03-01
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[25] EN
[54] **APPARATUS FOR MANUFACTURING BEVERAGE**
[54] **APPAREIL POUR FABRIQUER DES BOISSONS**
[72] PARK, SANG WOOK, CN
[71] CUCHEN CO., LTD., CN
[22] 2019-03-22
[41] 2020-01-17
[30] KR (10-2018-0083132) 2018-07-17

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[25] EN
[54] **LIQUID PHOTO INITIATING COMPOUND AND USES OF THE SAME**
[54] **COMPOSE AMORCEUR DE PHOTO LIQUIDE ET SON UTILISATION**
[72] CHANG, WEI-CHUN, CN
[72] CHIU, CHINGFAN CHRIS, CN
[72] WU, HUANG-MIN, CN
[71] CHITEC TECHNOLOGY CO., LTD., CN
[22] 2019-04-04
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[25] EN
[54] **ROTOR BRAKE**
[54] **FREIN ROTOR**
[72] PROUZET, BERTRAND, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2019-04-11
[41] 2020-01-13
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[54] **TREE TAP AND METHOD OF USING SAME**
[54] **CHALUMEAU D`ARBRE ET METHODE D`UTILISATION**
[72] ADAM, FREDEDRIC, CA
[71] ADAM, FREDEDRIC, CA
[22] 2019-04-12
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[30] US (62/697,747) 2018-07-13

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[51] **Int.Cl. A61B 1/24 (2006.01) A61B 1/06 (2006.01) A61C 19/00 (2006.01)**
[25] EN
[54] **BILATERAL ILLUMINATION ATTACHMENT FOR DENTAL CAMERA**
[54] **FIXATION D`ILLUMINATION BILATERALE POUR CAMERA A USAGE DENTAIRE**
[72] WILSON, DAVID D., US
[72] SELLERS, JOHN W., US
[71] DIGITAL DOC LLC, US
[22] 2019-04-26
[41] 2020-01-12
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[25] EN
[54] **CANTED CO-AXIAL ROTORS FOR A ROTORCRAFT**
[54] **ROTORS COAXIAUX INCLINES POUR UN GIRAVION**
[72] LACY, ROGER W., US
[72] DUFFY, MICHAEL J., US
[72] MASON, DAVID H., US
[71] THE BOEING COMPANY, US
[22] 2019-05-02
[41] 2020-01-13
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[25] EN
[54] **PRECISION DEPTH CONTROL OF SEED PLANTING UNITS OF AN AGRICULTURAL IMPLEMENT**
[54] **COMMANDE DE LA PROFONDEUR DE PRECISION DES UNITES DE PLANTATION DE GRAINES D'UN OUTIL AGRICOLE**
[72] WRIGHT, JARED S., CA
[72] MARCINIUK, COREY NEAL, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-05-13
[41] 2020-01-12
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[25] EN
[54] **VEHICLE FRONTAL SAFETY GUARD**
[54] **DISPOSITIF DE PROTECTION FRONTALE DE VEHICULE**
[72] BARRON, MARK B., US
[71] PUBLIC TRANSPORTATION SAFETY INTERNATIONAL CORP., US
[22] 2019-05-28
[41] 2020-01-18
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[25] EN
[54] **GEAR ROD ROTATOR SYSTEMS**
[54] **SYSTEMES ROTATEURS DE TIGES D`ENGRENAGE**
[72] CORTES, PABLO E. BARAJAS, US
[72] CASEY, WANRU, US
[72] NARASIMHAN, RAMAMURTHY, IN
[72] WALLACE, JACK LYNN, US
[72] PUGLIESE, JUAN FELIPE CORREA, US
[71] NORRIS RODS, INC., US
[22] 2019-06-11
[41] 2020-01-13
[30] US (62/697,784) 2018-07-13
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[25] EN
[54] **WORK PLATFORM MOVER SYSTEM**
[54] **SYSTEME DE DEPLACEMENT DE LA PLATE-FORME DE TRAVAIL**
[72] RICHARDS, CHARLES M., US
[72] TROY, JAMES J., US
[72] MOORE, STEPHEN G., US
[72] WEBSTER, KURT F., US
[71] THE BOEING COMPANY, US
[22] 2019-06-11
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[13] A1
[51] **Int.Cl. B29C 70/38 (2006.01) B64F 5/10 (2017.01) B65H 61/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VERIFICATION OF TOW END PLACEMENT**
[54] **PROCEDE ET SYSTEME DE VERIFICATION DU PLACEMENT DE L`EXTREMITE DU DISPOSITIF DE REMORQUAGE**
[72] HAGMAN, THOMAS J., US
[71] THE BOEING COMPANY, US
[22] 2019-06-12
[41] 2020-01-16
[30] US (16/036337) 2018-07-16

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[25] EN
[54] **ENVIRONMENTAL SENSOR-BASED RADIO TRANSMITTER OF A UTILITY METER SYSTEM**
[54] **EMETTEUR RADIO A CAPTEUR ENVIRONNEMENTAL D`UN SYSTEME DE COMPTEUR D`ENERGIE**
[72] HAMILTON, DAVID, US
[71] NEPTUNE TECHNOLOGY GROUP INC., US
[22] 2019-06-13
[41] 2020-01-17
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[54] **PADLOCK**
[54] **CADENAS**
[72] FAN, WAI KUEN, CN
[71] ABUS AUGUST BREMICKER SOHNE KG, DE
[22] 2019-06-14
[41] 2020-01-13
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[25] EN
[54] **ADDITIVE-MANUFACTURING SYSTEMS AND METHODS**
[54] **SYSTEME DE FABRICATION ADDITIVE ET METHODES**
[72] SLATTERY, KEVIN T., US
[71] THE BOEING COMPANY, US
[22] 2019-06-14
[41] 2020-01-16
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[25] EN
[54] **PATTERNED PHOTOVOLTAIC CELL ARRANGEMENTS IN SOLAR MODULE LAMINATIONS**
[54] **ARRANGEMENTS DE CELLULES PHOTOVOLTAIQUES EN DECALE DANS LES LAMINATIONS DE MODULE SOLAIRE**
[72] FARHANGI, BABAK, US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2019-06-17
[41] 2020-01-13
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[25] EN
[54] **METHOD OF MAKING WOOD FLOORING BOARDS**
[54] **METHODE DE FABRICATION DE LAMES DE PARQUET EN BOIS**
[72] ROY, SEBASTIEN, CA
[72] CLOUTIER, JONATHAN, CA
[72] OUELLET, MARIE-CHRISTINE, CA
[71] BOA-FRANC S.E.N.C., CA
[22] 2019-06-21
[41] 2020-01-12
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[51] **Int.Cl. B64D 45/08 (2006.01)**
[25] FR
[54] **PILOTING ASSISTANCE SYSTEM FOR AN AIRCRAFT, ASSOCIATED AIRCRAFT AND PROCESS TO ASSIST WITH PILOTING OF THIS AIRCRAFT**
[54] **SYSTEME D'AIDE AU PILOTAGE D'UN AERONEF, AERONEF ASSOCIE ET PRODEDE D'AIDE AU PILOTAGE DE CET AERONEF**
[72] NIKOLAJEVIC, KONSTANCA, FR
[72] BAUDRY, JEAN-PIERRE, FR
[72] BELANGER, NICOLAS, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-06-21
[41] 2020-01-16
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[25] EN
[54] **VACUUM FILTER HAVING ANNULAR CATCH**
[54] **FILTRE D`ASPIRATEUR AVEC SUPPORT ANNULAIRE**
[72] SEASHOLTZ, CRAIG A., US
[72] WESTBROOK, KURT, US
[72] GOTTSCHALL, JASON, US
[71] SHOP VAC CORPORATION, US
[22] 2019-06-25
[41] 2020-01-17
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[51] **Int.Cl. F25J 1/02 (2006.01) F25B 9/10 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **METHOD OF REFRIGERANT COMPOSITION CONTROL IN PREMIXED REFRIGERANT CYCLE OF LIQUEFIED NATURAL GAS PRODUCTION**
[54] **METHODE DE CONTROLE D`UNE COMPOSITION REFRIGERANTE AU CYCLE DE REFRIGERANT PREMELANGE DANS LA PRODUCTION D`UN GAZ NATUREL LIQUEFIE**
[72] SIMDYASHKIN, IGOR EVGENIEVICH, RU
[71] SAKHALIN ENERGY INVESTMENT COMPANY LTD., BM
[22] 2019-06-26
[41] 2020-01-13
[30] RU (2018125814) 2018-07-13

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[25] FR
[54] **PROCESS AND DRONE EQUIPPED WITH A LANDING/TAKE OFF ASSISTANCE SYSTEM**
[54] **PROCEDE ET DRONE MUNI D'UN SYSTEME D'AIDE A L'ATTERRISSAGE/DECOLLAGE**
[72] THOMASSEY, LIONEL, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-06-26
[41] 2020-01-12
[30] FR (1800735) 2018-07-12

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[51] **Int.Cl. H04W 88/10 (2009.01) H04W 16/24 (2009.01) H01Q 3/00 (2006.01) H04B 1/40 (2015.01) H04B 7/02 (2018.01)**
[25] EN
[54] **SYSTEM, APPARATUS AND METHOD FOR DYNAMIC CARRIER AGGREGATION TO MULTI-BEAM ANTENNA MAPPING**
[54] **SYSTEME, APPAREIL ET METHODE DE ROUTAGE D`AGREGATION DYNAMIQUE DE PORTEUSES A ANTENNE MULTIFAISCEAU**
[72] LEULESCU, OVIDIU MIHAI, CA
[72] SELEA, RADU BOGDAN, CA
[72] NIYOMSATAYA, TERASAN, CA
[71] COMMUNICATION COMPONENTS ANTENNA INC. (DBA BLINQ NETWORKS), CA
[22] 2019-06-25
[41] 2020-01-17
[30] US (62/699,531) 2018-07-17

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[51] **Int.Cl. C05G 5/12 (2020.01) B02C 23/10 (2006.01) B02C 23/14 (2006.01) C05C 9/00 (2006.01)**
[25] EN
[54] **PRODUCING FERTILIZER GRANULES WITH A DEFINED SIZE DISTRIBUTION**
[54] **PRODUCTION DE GRANULES D`ENGRAIS A GRANULARITE DEFINIE**
[72] FRANZRAHE, HARALD, DE
[72] KRAWCZYK, THOMAS, DE
[71] THYSSENKRUPP FERTILIZER TECHNOLOGY GMBH, DE
[71] THYSSENKRUPP AG, DE
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[41] 2020-01-13
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[21] **3,048,283**
[13] A1
[51] **Int.Cl. A01G 23/14 (2006.01) A01G 23/10 (2006.01)**
[25] EN
[54] **TREE TAP AND METHOD OF USING SAME**
[54] **CHALUMEAU D~ARBRE ET METHODE D~UTILISATION**
[72] ADAM, FREDEDRIC, CA
[71] ADAM, FREDEDRIC, CA
[22] 2019-06-27
[41] 2020-01-13
[30] US (62/697,747) 2018-07-13
[30] CA (3,040,102) 2019-04-12

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[25] EN
[54] **MANUFACTURED METAL OBJECTS WITH HOLLOW CHANNELS AND METHOD FOR FABRICATION THEREOF**
[54] **OBJETS EN METAL A PARTIES CREUSES ET METHODE DE FABRICATION**
[72] MARTIN, MANUEL, CA
[72] VO, PHUONG, CA
[72] IRISSOU, ERIC, CA
[72] LEGOUX, JEAN-GABRIEL, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[41] 2020-01-17
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[25] EN
[54] **WING PANEL ASSEMBLY SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`ASSEMBLAGE D`UN PANNEAU D`AILE**
[72] WELLER, DENNIS MICHAEL, US
[72] WITTENBERG, THOMAS GEE, US
[72] MARTINEZ, MANUEL TORRES, US
[71] THE BOEING COMPANY, US
[22] 2019-07-03
[41] 2020-01-12
[30] US (16/034008) 2018-07-12

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[13] A1
[51] **Int.Cl. G02B 6/36 (2006.01)**
[25] EN
[54] **COUPLING FOR FORMING AN OPTICAL PLUG CONNECTION**
[54] **RACCORD POUR LA FORMATION D~UN BRANCHEMENT DE PRISE OPTIQUE**
[72] DOBLER, OLIVER, AT
[71] NEUTRIK AG, LI
[22] 2019-07-03
[41] 2020-01-17
[30] DE (10 2018 117 223.0) 2018-07-17

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[13] A1
[51] **Int.Cl. G01V 8/02 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS AND SYSTEM FOR DETERMINING SWEET SPOT REGION FOR SHALE OIL IN-SITU CONVERSION DEVELOPMENT**
[54] **METHODE, APPAREIL ET SYSTEME POUR DETERMINER UNE REGION IDEALE POUR LA CONVERSION D~HUILE DE SCHISTE SUR PLACE**
[72] HOU, LIANHUA, CN
[72] FU, JINHUA, CN
[72] LUO, XIA, CN
[72] LIU, XIANYANG, CN
[72] ZHANG, LIJUN, CN
[72] LI, SHIXIANG, CN
[72] LIN, SENHU, CN
[72] YANG, ZHI, CN
[72] ZOU, QIAN, CN
[72] CUI, JINGWEI, CN
[72] WU, SONGTAO, CN
[72] WANG, JINGHONG, CN
[71] PETROCHINA COMPANY LIMITED, CN
[22] 2019-07-04
[41] 2020-01-12
[30] CN (201810763086.1) 2018-07-12

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[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) B64D 43/00 (2006.01)**
[25] EN
[54] **LOW PROFILE AIR DATA SYSTEM ARCHITECTURE**
[54] **ARCHITECTURE D~UN SYSTEME DE TRANSMISSION DE DONNEES ANEMO-BAROMETRIQUES DE BAS PROFIL**
[72] SLY, JAIME, US
[72] NASLUND, BRIAN BRENT, US
[71] ROSEMOUNT AEROSPACE INC., US
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[41] 2020-01-13
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[25] EN
[54] **AIRCRAFT GROUND SAFETY FOR ULTRASONIC SENSORS**
[54] **CAPTEURS ULTRASONIQUES POUR LA SECURITE D~UN AERONEF AU SOL**
[72] SLY, JAIME, US
[72] BOELMAN, JOSHUA, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-07-04
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[51] **Int.Cl. G01H 17/00 (2006.01) B64D 47/00 (2006.01) G01S 15/04 (2006.01)**
[25] EN
[54] **AIRCRAFT GROUND SAFETY FOR ULTRASONIC SENSORS**
[54] **CAPTEURS ULTRASONIQUES POUR LA SECURITE D~UN AERONEF AU SOL**
[72] SLY, JAIME, US
[72] BOELMAN, JOSHUA, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-07-04
[41] 2020-01-13
[30] US (16/034,847) 2018-07-13

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[51] **Int.Cl. C10G 67/12 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING HYDROCARBONS**
[54] **UN PROCESSUS POUR PRODUIRE DES HYDROCARBURES**
[72] LINDBERG, TEEMU, FI
[72] EILOS, ISTO, FI
[72] BJORKLOF, THOMAS, FI
[71] UPM-KYMMENE CORPORATION, FI
[22] 2019-07-04
[41] 2020-01-16
[30] FI (20185645) 2018-07-16

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[51] **Int.Cl. A47G 29/00 (2006.01) A01G 5/04 (2006.01) F16B 45/00 (2006.01)**
[25] EN
[54] **MAGNETIC WREATH HANGER**
[54] **CROCHET MAGNETIQUE POUR COURONNE**
[72] KACINES, JEFFERY J., US
[71] KACINES, JEFFERY J., US
[22] 2019-07-05
[41] 2020-01-12
[30] US (16/034,063) 2018-07-12

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[51] **Int.Cl. E21B 43/30 (2006.01) E21B 43/00 (2006.01) E21B 43/24 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SHALE OIL IN-SITU LIGHTENING DEVELOPMENT METHOD, APPARATUS AND SYSTEM**
[54] **PROCEDE D~ELABORATION, APPAREIL ET SYSTEME D~EVIDEMENT D~HUILE DE SCHISTE SUR LE SITE**
[72] HOU, LIANHUA, CN
[72] ZOU, CAINENG, CN
[72] HU, SUYUN, CN
[72] FU, JINHUA, CN
[72] LIU, XIANYANG, CN
[72] LUO, XIA, CN
[72] WANG, JINGHONG, CN
[72] ZHANG, LIJUN, CN
[72] LIN, SENHU, CN
[72] YANG, ZHI, CN
[72] WU, SONGTAO, CN
[72] CUI, JINGWEI, CN
[71] PETROCHINA COMPANY LIMITED, CN
[22] 2019-07-08
[41] 2020-01-12
[30] CN (201810763247.7) 2018-07-12

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[51] **Int.Cl. G03B 37/04 (2006.01) G01C 7/06 (2006.01) G01C 11/02 (2006.01)**
[25] FR
[54] **PORTABLE DEVICE TO ACQUIRE IMAGES OF AN ENVIRONMENT**
[54] **DISPOSITIF PORTATIF POUR ACQUERIR DES IMAGES D'UN ENVIRONNEMENT**
[72] PERAZIO, GUY, FR
[72] PERAL, JOSE, FR
[72] VALCKE, SERGE, FR
[72] CHAMBAUD, LUC, FR
[71] SOLETANCHE FREYSSINET, FR
[22] 2019-07-05
[41] 2020-01-17
[30] FR (18 56 591) 2018-07-17

[21] **3,048,815**
[13] A1
[51] **Int.Cl. A61C 1/08 (2006.01) A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL BONE FOUNDATION GUIDE WITH PALATAL OR LINGUAL SIDE GAP AND FREEHAND SURGICAL GUIDE**
[54] **GUIDE DE FONDATION DE L~OS DENTAIRE AVEC ECARTEMENT LATERAL PALATIN OU LINGUAL ET GUIDE DE CHIRURGIE A LA MAIN**
[72] LLOP, DANIEL R., US
[72] MANDEVILLE, MICHAEL J., US
[71] NATIONAL DENTEX, LLC, US
[22] 2019-07-08
[41] 2020-01-13
[30] US (62/697,549) 2018-07-13
[30] US (62/781,054) 2018-12-18

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[13] A1
[51] **Int.Cl. F24F 7/02 (2006.01) E04D 1/30 (2006.01) E04D 3/40 (2006.01)**
[25] EN
[54] **ROOF RIDGE VENT AND ASSOCIATED METHOD**
[54] **OUVRANT DE FAITAGE DE TOITURE ET METHODE CONNEXE**
[72] HOLLAND, ROBERT B., US
[72] GRIFFIN, GRAYSON, US
[72] WELLHAUSEN-GRIMM, ROCHELLE D., US
[71] AIR VENT, INC., US
[22] 2019-07-09
[41] 2020-01-13
[30] US (16/034,416) 2018-07-13

[21] **3,049,066**
[13] A1
[51] **Int.Cl. H02M 7/5387 (2007.01)**
[25] EN
[54] **H-TYPE MULTILEVEL POWER CONVERTER**
[54] **CONVERTISSEUR DE PUISSANCE MULTINIVEAU DE TYPE H**
[72] KSHIRSAGAR, PARAG M., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2019-07-09
[41] 2020-01-18
[30] US (16/038,451) 2018-07-18

[21] **3,049,067**
[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) H04W 4/02 (2018.01) H04W 84/18 (2009.01) G01S 19/45 (2010.01) H04B 17/318 (2015.01) H04W 4/80 (2018.01) G01S 1/20 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR LOCALIZING TRACKING DEVICES**
[54] **METHODE ET SYSTEME DE LOCALISATION D~APPAREIL DE REPERAGE**
[72] HUBERMAN, SEAN, CA
[72] NAGPAL, PARAMVIR SINGH, CA
[71] MAPSTED CORP., CA
[22] 2019-07-10
[41] 2020-01-18
[30] US (62/700,045) 2018-07-18
[30] US (16/101816) 2018-08-13

[21] **3,049,074**
[13] A1
[51] **Int.Cl. A01K 5/02 (2006.01) A01K 5/00 (2006.01) B60P 1/00 (2006.01)**
[25] EN
[54] **FEED TRUCK CONTROL MODULE**
[54] **MODULE DE COMMANDE D~UN CAMION DE FOURRAGE**
[72] JOHNSON, WADE, US
[72] YOUNG, JOE, US
[72] DORSEY, MARCUS, US
[72] LONGORIA, JOHN, US
[72] PEART, TIM, US
[71] MWI VETERINARY SUPPLY CO., US
[22] 2019-07-09
[41] 2020-01-12
[30] US (62/697307) 2018-07-12

[21] **3,049,179**
[13] A1
[51] **Int.Cl. B29C 73/06 (2006.01) B64F 5/40 (2017.01)**
[25] EN
[54] **COMPOSITE STRUCTURE THROUGH-HOLE REPAIR METHODS**
[54] **METHODES DE REPARATION D~UN TROU DEBOUCHANT DANS UNE STRUCTURE COMPOSITE**
[72] KRISHNASWAMY, PRADEEP, US
[72] LOWREY, CONNOR F., US
[72] BROOKS, CHRISTOPHER L., JR., US
[72] BOSSENBROEK SPALDING, KIRSTEN K., US
[71] THE BOEING COMPANY, US
[22] 2019-07-11
[41] 2020-01-12
[30] US (16/033267) 2018-07-12

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[13] A1
[51] **Int.Cl. A23L 11/00 (2016.01) A23P 10/20 (2016.01) A23P 20/00 (2016.01) A21D 13/045 (2017.01)**
[25] EN
[54] **PULSE-BASED BREAD CRUMB, COATING AND PRE-DUST ANALOG PROCESS FOR MANUFACTURING THE SAME**
[54] **MIETTES DE PAIN, ENROBAGES, PATES D~ADHERENCE ET PROCEDE ANALOGIQUE POUR LEUR FABRICATION**
[72] TULBEK, MEHMET, CA
[72] VITALE, DAVIDE, CA
[72] KNUDSON, LES, CA
[72] BARTSCH, ERIC, CA
[71] AGT FOOD AND INGREDIENTS INC., CA
[22] 2019-07-12
[41] 2020-01-13
[30] US (62/697,838) 2018-07-13

[21] **3,049,209**
[13] A1
[51] **Int.Cl. F16M 11/00 (2006.01) E02F 5/10 (2006.01) F16L 1/06 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **PIPE SUPPORT**
[54] **SUPPORT DE TUYAU**
[72] PHILLIPS, PAUL D., US
[72] SAHM, VICTOR A., III, US
[72] HANSON, MATTHEW A., US
[71] SOUTHWEST AGRI-PLASTICS, INC., US
[22] 2019-07-11
[41] 2020-01-12
[30] US (62/697,366) 2018-07-12
[30] US (16/508,556) 2019-07-11

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[13] A1
[51] **Int.Cl. B64F 5/40 (2017.01) B64D 37/20 (2006.01)**
[25] FR
[54] **ENERGY PRODUCTION ASSEMBLY AND ASSOCIATED PROCESS FOR DRAINING WATER CONTAINED IN AN AIRCRAFT FUEL TANK**
[54] **ENSEMBLE DE PRODUCTION D'ENERGIE ET PROCEDE DE PURGE DE L'EAU CONTENUE DANS UN RESERVOIR D'AERONEF ASSOCIE**
[72] MERAT, SEBASTIEN, FR
[71] DASSAULT AVIATION, FR
[22] 2019-07-10
[41] 2020-01-17
[30] FR (18 00 764) 2018-07-17

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[13] A1
[51] **Int.Cl. B64F 5/40 (2017.01) B64D 37/20 (2006.01)**
[25] FR
[54] **SYSTEM AND NECESSARY TANK DRAINING AND ASSOCIATED DRAINING AND ASSEMBLY PROCESSES**
[54] **SYSTEME ET NECESSAIRE DE PURGE D'UN RESERVOIR ET PROCEDES DE PURGE ET DE MONTAGE ASSOCIES**
[72] DUFAURE, TEDDY, FR
[72] DUPONT, JEAN-PHILIPPE, FR
[72] PERROT, JULIEN, FR
[71] DASSAULT AVIATION, FR
[22] 2019-07-10
[41] 2020-01-17
[30] FR (18 00 765) 2018-07-17

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[13] A1
[51] **Int.Cl. C07C 29/149 (2006.01) B01J 23/70 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING 2-BUTANOL FROM GAMMAVALEROLACTONE**
[54] **PROCEDE DE PRODUCTION DE BUTAN-2-OL A PARTIR DE GAMMA-VALEROLACTONE**
[72] LINDBLAD, MARINA, FI
[72] KALDSTROM, MATS, FI
[72] WALLENIUS, SUSANNA, FI
[72] LAMMINPAA, KAISA, FI
[71] NESTE OYJ, FI
[22] 2019-07-10
[41] 2020-01-13
[30] FI (20185642) 2018-07-13

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[13] A1
[51] **Int.Cl. B60D 1/48 (2006.01) B60D 1/52 (2006.01)**
[25] EN
[54] **TRAILER HITCH MOUNTING ASSEMBLY**
[54] **ASSEMBLAGE DE MONTAGE D~ATTACHE DE REMORQUE**
[72] FABIANO, FRANK A., US
[72] HERSHBERGER, DUSTIN, US
[71] MORGAN OLSON CORPORATION, US
[22] 2019-07-11
[41] 2020-01-12
[30] US (62/696,876) 2018-07-12

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[13] A1
[51] **Int.Cl. H02H 3/02 (2006.01) G06F 1/28 (2006.01) H02H 3/42 (2006.01)**
[25] EN
[54] **CIRCUIT IMPLEMENTING AN AC SMART FUSE FOR A POWER DISTRIBUTION UNIT**
[54] **CIRCUIT METTANT EN APPLICATION UN FUSIBLE INTELLIGENT DE COURANT ALTERNATIF POUR PANNEAU DE DISTRIBUTION**
[72] THIBAUT, CHRISTOPHE MAURICE, FR
[72] KLABA, MIROSLAW PIOTR, FR
[71] OVH, FR
[22] 2019-07-10
[41] 2020-01-12
[30] EP (18315015.0) 2018-07-12
[30] EP (18315014.3) 2018-07-12
[30] EP (18315016.8) 2018-07-12

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[13] A1
[51] **Int.Cl. E03B 7/08 (2006.01) E03B 1/04 (2006.01) F24H 1/16 (2006.01) F24H 1/22 (2006.01) F24H 9/12 (2006.01) F28D 7/02 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **METHOD OF INSTALLATION AND MANUFACTURING OF A DRAIN WATER HEAT RECOVERY EXCHANGER WITH INTEGRAL CONNECTORS**
[54] **METHODE D~INSTALLATION ET DE FABRICATION D~UN ECHANGEUR DE RECUPERATION DE LA CHALEUR DES EAUX DE DRAINAGE AYANT DES RACCORDS INTEGRAUX**
[72] FONTAINE, MARC, CA
[71] ECOINNOVATION TECHNOLOGIES INCORPOREE, CA
[22] 2019-07-10
[41] 2020-01-12
[30] US (16/033,548) 2018-07-12

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[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H04B 3/54 (2006.01)**
[25] EN
[54] **METHOD AND POWER DISTRIBUTION UNIT FOR LIMITING A TOTAL DELIVERED POWER**
[54] **METHODE ET PANNEAU DE DISTRIBUTION DANS LE BUT DE LIMITER LA PUISSANCE DE SORTIE TOTALE**
[72] THIBAUT, CHRISTOPHE MAURICE, FR
[72] KLABA, MIROSLAW PIOTR, FR
[71] OVH, FR
[22] 2019-07-10
[41] 2020-01-12
[30] EP (18315014.3) 2018-07-12
[30] EP (18315015.0) 2018-07-12
[30] EP (18315016.8) 2018-07-12

[21] **3,049,349**
[13] A1
[51] **Int.Cl. A47B 21/013 (2006.01) A47B 13/10 (2006.01)**
[25] EN
[54] **WORKSTATION WITH MOVABLE TABLE PORTION**
[54] **POSTE DE TRAVAIL AYANT UNE PARTIE DE TABLE MOBILE**
[72] PATRICK, GREGORY DAVID, CA
[72] ZWINKELS, MAURICE FRANCISCUS, CA
[72] DALL'ARMI, VIVIAN FRANCESCA, CA
[71] REDRICK TECHNOLOGIES INC., CA
[22] 2019-07-09
[41] 2020-01-17
[30] US (62/699,053) 2018-07-17

[21] **3,049,359**
[13] A1
[51] **Int.Cl. H04B 1/14 (2006.01)**
[25] EN
[54] **DEVICE FOR AUDIO SIGNAL PROCESSING FOR A PIEZOELECTRIC SPEAKER**
[54] **APPAREIL DE TRAITEMENT DU SIGNAL AUDIO D~UN HAUT-PARLEUR PIEZOELECTRIQUE**
[72] RUSCONI CLERICI BELTRAMI, ANDREA, AT
[72] BOTTONI, FERRUCCIO, AT
[72] STRLE, DRAGO, SI
[71] USOUND GMBH, AT
[22] 2019-07-11
[41] 2020-01-12
[30] DE (10 2018 116 924.8) 2018-07-12

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[13] A1
[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/10 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **ELECTRONIC FUNDS TRANSFERS BASED ON AUTOMATIC CRYPTOCURRENCY TRANSACTIONS**
[54] **TRANSFERTS ELECTRONIQUES DE FONDS AXES SUR DES TRANSACTIONS AUTOMATIQUES DE CRYPTOMONNAIE**
[72] EDWARDS, JOSHUA, US
[72] VUKICH, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-12
[41] 2020-01-12
[30] US (16/033887) 2018-07-12

[21] **3,049,366**
[13] A1
[51] **Int.Cl. G01M 13/022 (2019.01) F16H 57/01 (2012.01) F16D 3/00 (2006.01)**
[25] EN
[54] **ROTATING SHAFT MOUNTED MONITORING DEVICE WITH WIRELESS TRANSMITTER**
[54] **APPAREIL DE SURVEILLANCE FIXE A UN ARBRE DE ROTATION AVEC UN TRANSMETTEUR SANS FIL**
[72] HANSEN, GEORGE N., US
[71] WEASLER ENGINEERING, INC., US
[22] 2019-07-12
[41] 2020-01-13
[30] US (62/697841) 2018-07-13

[21] **3,049,381**
[13] A1
[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **SPLICE MEMBER FOR A CABLE TRAY**
[54] **ELEMENT DE JONCTION D~UN CHEMIN DE CABLES**
[72] JOHNSON, JACOB LEE, US
[72] TALLY, BRANDON MICHAEL, US
[72] PRUITT, PHILLIP WARREN HARMON, US
[72] SHELTON, TRAVIS COLE, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-07-11
[41] 2020-01-13
[30] US (62/697830) 2018-07-13

[21] **3,049,385**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01)**
[25] EN
[54] **METHOD AND POWER DISTRIBUTION UNIT FOR PREVENTING DISJUNCTIONS**
[54] **METHODE ET PANNEAU DE DISTRIBUTION POUR PREVENIR LES DISJONCTIONS**
[72] THIBAUT, CHRISTOPHE MAURICE, FR
[72] KLABA, MIROSLAW PIOTR, FR
[71] OVH, FR
[22] 2019-07-10
[41] 2020-01-12
[30] EP (18315016.8) 2018-07-12
[30] EP (18315014.3) 2018-07-12
[30] EP (18315015.0) 2018-07-12

[21] **3,049,403**
[13] A1
[51] **Int.Cl. G06F 3/041 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE GESTURE CONTROLLER**
[54] **COMMANDE PAR GESTES PERSONNALISABLE**
[72] MEAD, STEPHEN, US
[72] JAYARAJAN, KEERTHI, US
[72] VRUKSHAVAI, RAJENDRA PRASAD, US
[72] SIVARAJAN, SAREESH, US
[72] KAR, SATYANARAYAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-07-10
[41] 2020-01-16
[30] US (16/036299) 2018-07-16

[21] **3,049,417**
[13] A1
[51] **Int.Cl. C10C 3/06 (2006.01) C10G 3/00 (2006.01)**
[25] EN
[54] **FRACTIONATION OF BIOMASS-BASED MATERIAL**
[54] **FRACTIONNEMENT D~UN MATERIAU DE BIOMASSE**
[72] NEVANLINNA, VILLE, FI
[72] VIKMAN, KIM, FI
[71] NESTE OYJ, FI
[22] 2019-07-11
[41] 2020-01-13
[30] FI (20180083) 2018-07-13

[21] **3,049,441**
[13] A1
[51] **Int.Cl. H02K 41/02 (2006.01) B65G 54/02 (2006.01)**
[25] EN
[54] **LONG-STATOR LINEAR MOTOR**
[54] **MOTEUR LINEAIRE A LONG STATOR**
[72] HOCK, MARTIN, AT
[72] DICKER, ALEXANDER, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2019-07-12
[41] 2020-01-18
[30] AT (18184227.9) 2018-07-18

[21] **3,049,533**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR VAPORIZING AN HERB**
[54] **APPAREIL ET METHODES POUR VAPORISER UNE HERBE**
[72] DONG, ZHENGNAN, CA
[71] DONG, ZHENGNAN, CA
[22] 2019-07-12
[41] 2020-01-13
[30] US (16/034,709) 2018-07-13

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[13] A1
[51] **Int.Cl. B64D 45/02 (2006.01) B64C 11/30 (2006.01) B64D 33/00 (2006.01) F02C 9/58 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **PROPELLER BLADE ANGLE FEEDBACK ARRANGEMENT AND METHOD**
[54] **DISPOSITIF ET METHODE DE REACTION D~ANGLE DE PALE D~HELICE**
[72] MARONE, JOSEPH ERNESTO, CA
[72] BASSE, OLIVIER, CA
[72] DOBSON, MARTIN, CA
[72] CLERMONT, MARTIN, CA
[72] LAVOIE, MARC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-12
[41] 2020-01-16
[30] US (16/036,917) 2018-07-16

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[13] A1
[51] **Int.Cl. E21B 43/295 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **USE OF NATURAL GAS FOR WELL ENHANCEMENT**
[54] **UTILISATION DU GAZ NATUREL POUR LA MISE EN VALEUR DE PUITS**
[72] VOIGT, SHAWN, US
[72] KNIGHT, KOBY, US
[71] STABILIS ENERGY LLC, US
[22] 2019-07-12
[41] 2020-01-16
[30] US (62/698,350) 2018-07-16
[30] US (16/508,845) 2019-07-11

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[13] A1
[51] **Int.Cl. E04D 15/02 (2006.01) A01B 1/04 (2006.01) B66F 15/00 (2006.01)**
[25] EN
[54] **ROOFING SHOVEL**
[54] **PELLE A BARDEAUX**
[72] HAMELIN-ROY, DANNY, CA
[71] HAMELIN-ROY, DANNY, CA
[22] 2019-07-15
[41] 2020-01-13
[30] US (62/697,666) 2018-07-13

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[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) A01H 13/00 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 1/13 (2006.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **RECOMBINANT POLYPEPTIDE-ENRICHED CHLOROPLASTS OR ACCUMULATED LIPID PARTICLES AND METHODS FOR PRODUCING THE SAME IN ALGAE**
[54] **CHLOROPLASTES RECOMBINANTS ENRICHIS DE POLYPEPTIDE OU PARTICULES DE LIPIDE ACCUMULEES ET METHODES POUR LES PRODUIRE DANS DES ALGUES**
[72] ALCANTARA, JOENEL, CA
[71] ALCANTARA RESEARCH GROUP INC., CA
[22] 2019-07-15
[41] 2020-01-18
[30] US (62/699,894) 2018-07-18

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[13] A1
[51] **Int.Cl. B02C 23/10 (2006.01) B02C 23/18 (2006.01)**
[25] EN
[54] **DISCHARGE END WALL SYSTEM INCLUDING PARTIALLY CURVED PULP LIFTERS**
[54] **SYSTEME DE PAROIS D~EXTREMITE DE DECHARGE COMPRENANT DES ELEMENTS DE SOULEVEMENT DE PATE**
[72] MCPHEE, ROBERT MICHAEL, CA
[72] PRAMOD, KUMAR, CA
[71] POLYCORP LTD., CA
[22] 2019-07-15
[41] 2020-01-18
[30] US (62/699,826) 2018-07-18

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[13] A1
[51] **Int.Cl. B64F 5/60 (2017.01) B64C 25/42 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING GEAR ASSEMBLY**
[54] **ASSEMBLAGE DE TRAIN D~ATTERRISSAGE D~AERONEF**
[72] PRICE, NEIL, GB
[72] COQ, MARIE, GB
[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[71] SAFRAN LANDING SYSTEMS, FR
[22] 2019-07-12
[41] 2020-01-16
[30] US (18183607.3) 2018-07-16

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[13] A1
[51] **Int.Cl. B64D 33/00 (2006.01) B64C 11/30 (2006.01) B64D 45/02 (2006.01)**
[25] EN
[54] **PROPELLER BLADE ANGLE FEEDBACK ARRANGEMENT AND METHOD**
[54] **DISPOSITIF ET METHODE DE REACTION D~ANGLE DE PALE D~HELICE**
[72] MARONE, JOSEPH, CA
[72] YAKOBOV, ELLA, CA
[72] FARRELL, IAN, CA
[72] BASSE, OLIVIER, CA
[72] DOBSON, MARTIN, CA
[72] CLERMONT, MARTIN, CA
[72] LAVOIE, MARC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-12
[41] 2020-01-16
[30] US (16/036,930) 2018-07-16

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[13] A1
[51] **Int.Cl. B60R 11/04 (2006.01) B60K 28/06 (2006.01)**
[25] EN
[54] **CAMERA APPARATUS**
[54] **DISPOSITIF DE CAMERA**
[72] COMEAU, FELIX J. E., CA
[71] ALCOHOL COUNTERMEASURE SYSTEMS (INTERNATIONAL) INC., CA
[22] 2019-07-12
[41] 2020-01-12
[30] US (62/696,889) 2018-07-12

[21] **3,049,583**
[13] A1
[51] **Int.Cl. C25D 11/06 (2006.01) C25D 11/16 (2006.01)**
[25] EN
[54] **ANODIZATION METHOD FOR CORROSION PROTECTION OF ALUMINIUM OR ALUMINIUM ALLOY ELEMENTS USED IN AN AIRCRAFT STRUCTURE**
[54] **PROCEDE D~ANODISATION POUR LA PROTECTION CONTRE LA CORROSION DES ELEMENTS EN ALUMINIUM OU EN ALLIAGE D~ALUMINIUM UTILISES DANS UNE STRUCTURE D~AERONEF**
[72] ADDIVINOLA, BRUNO, US
[72] PASTORE, STEFANO, US
[72] ALBOLINO, AUGUSTO, US
[72] CILIBERTO, ANTONIO, US
[72] CUTILLO, LUCIA, US
[72] GALLO, GIUSEPPE STEFANO, US
[71] LEONARDO S.P.A., IT
[22] 2019-07-15
[41] 2020-01-18
[30] IT (102018000007314) 2018-07-18

[21] **3,049,587**
[13] A1
[51] **Int.Cl. H05K 1/02 (2006.01) A61B 18/14 (2006.01) H05K 1/16 (2006.01)**
[25] EN
[54] **FLEXIBLE CIRCUIT WITH LOCATION AND FORCE-SENSOR COILS**
[54] **CIRCUIT FLEXIBLE ET CAPTEURS D~EMPLACEMENT ET DE FORCE EN SERPENTIN**
[72] BEECKLER, CHRISTOPHER T., US
[72] KEYES, JOSEPH T., US
[72] HERRERA, KEVIN J., US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-07-12
[41] 2020-01-16
[30] US (16/036,710) 2018-07-16

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[72] NORBURN, ROBERT BENJAMIN, GB
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[54] **COUCHES PROTECTRICES POUR LES APPAREILS ELECTRONIQUES IMPRIMES A HAUT RENDEMENT**
[72] TALLMAN, KYLE B., US
[72] HERKO, JONATHAN H., US
[72] ROETKER, MICHAEL S., US
[72] PORTER, AMY CATHERINE, US
[72] MA, LIN, US
[72] SKINNER, DAVID M., US
[72] DUDEK, ERIC ROBERT, US
[72] GRIFFIN, SCOTT J., US
[71] XEROX CORPORATION, US
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[72] NESS, JEFFREY A., US
[71] PACIFIC COAST BUILDING PRODUCTS, INC., US
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[54] **SYSTEMS AND METHODS FOR COMPARING COMPUTER SCRIPTS**
[54] **SYSTEMES ET METHODES DE COMPARAISON DE SCRIPTS INFORMATIQUES**
[72] DURVASULA, SREENIVAS, US
[72] SAHA, PRABODH, US
[72] BARTHIPUDI, VENKATA NAGA MANOJ, US
[72] MOHANTY, AMITAV, US
[71] SERVICENOW, INC., US
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[54] **COATED PRINTED ELECTRONIC DEVICES EXHIBITING IMPROVED YIELD**
[54] **APPAREILS ELECTRONIQUES IMPRIMES REVETUS AFFICHANT UN RENDEMENT AMELIORE**
[72] HERKO, JONATHAN H., US
[72] ROETKER, MICHAEL S., US
[72] TALLMAN, KYLE B., US
[72] DUDEK, ERIC ROBERT, US
[72] PORTER, AMY CATHERINE, US
[72] SKINNER, DAVID M., US
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[72] SILVESTRI, MARKUS R., US
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[54] **MODULAR STORAGE TANK WITH SECONDARY CONTAINMENT**
[54] **CUVE DE STOCKAGE MODULAIRE AVEC CONTENANT SECONDAIRE**
[72] THIESSEN, LONNY J., CA
[71] WESTCAP AG CORP., CA
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[54] **COLLIER DE DERIVATION**
[72] WITHERBEE, MARTIN LEE, US
[72] REESE, ROBERT JOHN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
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[54] **DEFLECTEUR POUR ASSEMBLAGE DE PRESSE A CONVOYEURS A TIR VERTICAL**
[72] WILSON, GAVIN, GB
[72] NIX, STEVIE KIM, US
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
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[54] **VARIABLE OPENING REDUCER FOR LOGS AND STEMS**
[54] **RACCORD REDUCTEUR D~OUVERTURE VARIABLE POUR BILLOTS ET TRONCS**
[72] THUEMLER, NICK, US
[71] BID GROUP TECHNOLOGIES LTD., CA
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[54] **CREDIT SCORING AND PRE-APPROVAL ENGINE INTEGRATION**
[54] **INTEGRATION D~UN MOTEUR D~EVALUATION DU CREDIT ET DE PRE-APPROBATION**
[72] LIU, MAO LIN, CA
[72] BOBY, ADAM, CA
[72] YAMASHITA, MARK, CA
[71] CAPITAL ONE SERVICES, LLC, US
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[54] **SYSTEM AND METHOD FOR MANAGING RELATIONSHIPS BETWEEN SUPPLIERS, MERCHANTS AND CUSTOMERS**
[54] **SYSTEME ET METHODE DE GESTION DES RELATIONS ENTRE LES FOURNISSEURS, LES MARCHANDS ET LES CLIENTS**
[72] BOUCHER, GENEVIEVE, CA
[72] GAUTHIER, MARTIN, CA
[72] LEGARE, VINCENT, CA
[72] MILLER, ROGER, CA
[71] BANQUE NATIONALE DU CANADA, CA
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[54] **SYSTEME D~ALERTE CONTRE LES COLLISIONS PENDANT LA CIRCULATION AU SOL**
[72] RUTKIEWICZ, ROBERT, US
[72] ELL, TODD, US
[72] PESIK, JOSEPH T., US
[71] SIMMONDS PRECISION PRODUCTS, INC., US
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[54] **MULTI-DIRECTIONAL WATER SENSOR WITH ALARM**
[54] **DETECTEUR D~EAU MULTIDIRECTIONNEL DOTE D~UNE ALARME**
[72] OSTASHEV, IIYA, US
[71] GLENTRONICS, INC., US
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[54] **CONVEYOR POSITIONING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE POSITIONNEMENT D~UN CONVOYEUR**
[72] FEHR, JOEL, CA
[72] JOHNSON, ZACHARY, CA
[72] BLOMERT, ERIN, CA
[72] CAMM, TYLER, CA
[72] NIMEGEERS, CRAIG, CA
[71] AG GROWTH INTERNATIONAL INC., CA
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[54] **AUTOMATED AND REMOTELY-CONTROLLED MATERIAL-CONVEYING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE CONVOYAGE DE MATERIEL AUTOMATISE ET TELECOMMANDE**
[72] FEHR, JOEL, CA
[72] JOHNSON, ZACHARY, CA
[72] BLOMERT, ERIN, CA
[72] CAMM, TYLER, CA
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[54] **PRODUCT DISPLAY MERCHANDISER AND RELATED METHODS**
[54] **PRESENTOIR A PRODUITS ET METHODES CONNEXES**
[72] PADVOISKIS, JULIA, US
[72] MERCIER, MICHAEL W., US
[72] WILLS, MATTHEW A., US
[72] POLLPETER, ERIC, US
[71] RETAIL SPACE SOLUTIONS LLC, US
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[54] **APPARATUS AND METHODS FOR HANDLING DRILLING STRING**
[54] **APPAREIL ET METHODES DE MANIPULATION D~UN TRAIN DE FORAGE**
[72] SIGURDSON, DAVID WYETH, CA
[71] SIGURDSON, DAVID WYETH, CA
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[54] **ASSEMBLAGE D~AILETTE DE TURBINE AYANT DES COMPOSANTS COMPOSITES DE MATRICE CERAMIQUE**
[72] SIPPEL, AARON D., US
[72] FREEMAN, TED J., US
[72] THOMAS, DAVID J., US
[72] CHAMBERLAIN, ADAM L., US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
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[54] **METHOD OF PREPARATION OF CANNABINOIDS CONTAINING BEVERAGES**
[54] **METHODE DE PREPARATION DE BREUVAGES CONTENANT DES CANNABINOIDES**
[72] SCHWARZ, JOSEPH, CA
[72] WEISSPAPIR, MICHAEL, CA
[71] PHARCON INC., CA
[71] RMW PHARMA CONSULTING, INC., CA
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[54] **PAINTING ASSEMBLY**
[54] **DISPOSITIF DE PEINTURE**
[72] GORDON, PATRICK J., US
[72] CREASMAN, JACOB F., US
[72] THACKERY, CLINTON C., US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
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[54] **AUTOMATED RESOURCE MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE GESTION AUTOMATISEE DES RESSOURCES**
[72] LAVALLEE, XAVIER, CA
[72] GAUTHIER BOURBONNAIS, MAXIME, CA
[72] VILLIARD, FRANCIS, CA
[72] COUPAL, JEAN-MICHEL, CA
[71] MERINIO INC., CA
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[54] **VEHICLE HEATER**
[54] **RADIATEUR DE VEHICULE**
[72] COLLMER, ANDREAS, DE
[71] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG, DE
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[54] **DISPOSITIF A DEL ETANCHE**
[72] SCHLUTER, WERNER, DE
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
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[54] **SYSTEMS AND METHODS FOR DEBLOCKING FILTERING**
[54] **SYSTEMES ET METHODES DE FILTRE ANTI-BLOCS**
[72] GROIS, DAN, US
[72] GILADI, ALEXANDER, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **MATERIAU CONSTITUE EN MAILLE A L~UTILISATION DANS LES STRUCTURES FLEXIBLES ET METHODES DE FABRICATION**
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[72] CHEN, CHIEH-YU, CN
[71] TRU-VIEW LLC, US
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[54] **SYSTEME DE CHARGEMENT EN SABLE D'UNE LOCOMOTIVE**
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[72] KEFFELER, DAVID P., US
[71] KEFFELER, MARK G., US
[71] KEFFELER, DAVID P., US
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[54] **CONVOYEURS-A~LA~VATEURS BASCULANTS ET SYSTA~MES DE DA~SEMPILEMENT DU BOIS DE SCIAGE**
[72] HOVE, DARREN, CA
[72] PETRYSHEN, LARRY, CA
[72] STOKES, KENNETH NEIL, CA
[72] CONGDON, THOMAS W., CA
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[54] **RABATTEUR POUR TABLIER DE COUPE**
[72] HONEY, GLENN RAYMOND, CA
[72] HARPER, LEE GLENN, CA
[71] HONEY BEE MANUFACTURING LTD., CA
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[54] **STRUCTURES D'ESTER ECOLOGIQUES COMME AGENT VISCOSANT DE FLUIDES DE FORAGE A BASE D'HUILE**
[72] MAEKER, DIANA, DE
[72] HAEHNEL, PATRICK, DE
[71] EMERY OLEOCHEMICALS GMBH, DE
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[54] **STRUCTURE A INSTALLATION RAPIDE DESTINEE A UN DISPOSITIF ELECTRIQUE**
[72] WANG, CHUNBAO, CN
[72] MA, JINLONG, CN
[72] SUI, JINPING, CN
[72] BAI, LIANG, CN
[72] LIU, QI, CN
[72] XU, TUO, CN
[71] JIAWEI RENEWABLE ENERGY CO., LTD., CN
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[71] SCF PHARMA INC., CA
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[54] **APPARATUS FOR INLINE AND INDIVIDUAL BALE WRAPPING OF HAY BALES**
[54] **APPAREIL D'EMBALLAGE DE BALLES EN LIGNE OU INDIVIDUEL DE BALLES DE FOIN**
[72] HORST, PAUL, CA
[72] FRIESEN, JAKE, CA
[72] MARTIN, ROSS, CA
[71] TUBE-LINE MANUFACTURING LTD., CA
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[54] **POLYAMIDE-PUD MATE**
[72] ERDODI, GABOR, US
[72] POURAHMADY, NASER, US
[72] BIRD, JONATHAN, US
[72] SKOFF, ISRAEL, US
[72] SWECH, CHRISTOPHER, US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
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[54] **EXTENDED RELEASE COMPOSITIONS COMPRISING PYRIDOSTIGMINE**
[54]
[72] VAKA, SIVA RAM KIRAN, US
[72] SHELKE, NAMDEV B., US
[72] DESAI, DIPEN, US
[72] PHUAPRADIT, WANTANEE, US
[72] SHAH, NAVNIT H., US
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[54] **TYPE I AND TYPE III INTERFERON FUSION MOLECULES AND METHODS FOR USE THEREOF**
[54] **MOLECULES DE FUSION D'INTERFERON DE TYPE I ET DE TYPE III ET PROCEDES D'UTILISATION DE CES DERNIERES**
[72] KOTENKO, SERGEI V., US
[72] DURBIN, JOAN, US
[72] DAVRA, VIRALKUMAR RAMESHKUMAR, US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
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[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE PBCH**
[72] LIU, JIANQIN, CN
[72] HE, CHUANFENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[51] **Int.Cl. G01N 15/08 (2006.01) G16C 20/70 (2019.01) G16C 60/00 (2019.01)**
[25] EN
[54] **POROUS MEDIUM PERMEABILITY PREDICTION METHOD BASED ON MACHINE IMAGE INTELLIGENT LEARNING**
[54] **PROCEDE DE PREDICTION DE LA PERMEABILITE D'UN MILIEU POREUX FONDE SUR L'APPRENTISSAGE AUTOMATIQUE AXE SUR L'INTELLIGIBILITE DE L'IMAGE**
[72] LIU, JIANGFENG, CN
[72] CAO, XULOU, CN
[72] CHEN, SHIJIE, CN
[72] HUANG, BINGXIANG, CN
[72] CHEN, ZHERUI, CN
[72] SONG, SHUAIBING, CN
[72] NI, HONGYANG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[71] XUZHOU USURE MINING TECHNOLOGY CO., LTD, CN
[85] 2019-11-25
[86] 2018-09-07 (PCT/CN2018/104640)
[87] (3062555)
[30] CN (201810788898.1) 2018-07-18

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[13] A1
[51] **Int.Cl. F01D 5/20 (2006.01)**
[25] EN
[54] **COMPRESSOR AEROFOIL**
[54] **AUBE DE COMPRESSEUR**
[72] BRUNI, GIUSEPPE, GB
[72] KRISHNABABU, SENTHIL, GB
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-12-03
[86] 2018-06-14 (PCT/EP2018/065822)
[87] (WO2019/001980)
[30] EP (17177882.2) 2017-06-26

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[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 9/12 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **METHODS AND MEANS FOR GENETIC ALTERATION OF GENOMES UTILIZING DESIGNER DNA RECOMBINING ENZYMES**
[54] **PROCEDES ET MOYENS DE MODIFICATION GENETIQUE DE GENOMES FAISANT APPEL A DES ENZYMES DE RECOMBINAISON D'ADN DE CONCEPTION**
[72] BUCHHOLZ, FRANK, DE
[72] SCHNEIDER, MARTIN, DE
[72] LANSING, FELIX, DE
[71] TECHNISCHE UNIVERSITAT DRESDEN, DE
[85] 2019-12-03
[86] 2018-06-14 (PCT/EP2018/065881)
[87] (WO2018/229226)
[30] EP (17175895.6) 2017-06-14

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[13] A1
[51] **Int.Cl. B65D 17/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR HERMETICALLY SEALED STORAGE OF PRODUCTS, IN PARTICULAR FOODSTUFFS**
[54] **CONTENANT HERMETIQUEMENT ETANCHE POUR LA CONSERVATION DE PRODUITS, NOTAMMENT DE DENREES ALIMENTAIRES**
[72] PIECH, GREGOR ANTON, AT
[72] PIECH, GREGOR ANTON, AT
[71] PIECH, GREGOR ANTON, AT
[85] 2019-09-23
[86] 2017-05-12 (PCT/EP2017/061472)
[87] (WO2018/184703)
[30] EP (17165039.3) 2017-04-05

[21] **3,066,334**
[13] A1
[51] **Int.Cl. B65D 19/44 (2006.01)**
[25] EN
[54] **CARGO PALLET HAVING A PALLET EXTENSION**
[54] **PALETTE DE CHARGEMENT AYANT UNE EXTENSION DE PALETTE**
[72] LEE, DAVID M., US
[72] LEROSE, FRANK J., US
[71] FEDERAL EXPRESS CORPORATION, US
[85] 2019-11-21
[86] 2018-04-13 (PCT/US2018/027595)
[87] (WO2018/194933)
[30] US (15/493,707) 2017-04-21

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[13] A1
[51] **Int.Cl. G06K 9/20 (2006.01) G03B 15/02 (2006.01) G03B 35/08 (2006.01) G06T 15/00 (2011.01) H04N 5/247 (2006.01) H04N 5/262 (2006.01)**
[25] EN
[54] **DETERMINING POSITIONS AND ORIENTATIONS OF OBJECTS**
[54] **DETERMINATION DE POSITIONS ET D'ORIENTATIONS D'OBJETS**
[72] KHATOONABADI, ARMIN, CA
[72] STAPLETON, MEHDI PATRICK, CA
[71] VANCOUVER COMPUTER VISION LTD., CA
[85] 2019-12-06
[86] 2018-06-21 (PCT/CA2018/050761)
[87] (WO2018/232518)
[30] US (62/523,108) 2017-06-21

[21] **3,066,503**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/17 (2006.01) A61B 17/72 (2006.01) A61B 17/90 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **PLUG FOR BONE TISSUE**
[54] **BOUCHON POUR TISSU OSSEUX**
[72] BENOIT, BENOIT, CA
[71] BENOIT, BENOIT, CA
[85] 2019-12-06
[86] 2018-08-02 (PCT/CA2018/050950)
[87] (WO2019/023807)
[30] US (62/540,972) 2017-08-03

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[13] A1
[51] **Int.Cl. A23C 9/12 (2006.01) C12N 9/38 (2006.01)**
[25] EN
[54] **ENZYME PRODUCT WITH BETA-GALACTOSIDASE**
[54] **PRODUIT ENZYMATIQUE A BASE DE BETA-GALACTOSIDASE**
[72] NAUMER, CHRISTIAN, DE
[72] ZUREK, CHRISTIAN, DE
[72] PUL, UMIT, DE
[71] WEISSBIOTECH GMBH, DE
[85] 2019-12-06
[86] 2018-06-15 (PCT/EP2018/065962)
[87] (WO2018/229259)
[30] DE (20 2017 103 594.8) 2017-06-16

[21] **3,066,576**
[13] A1
[51] **Int.Cl. A63G 21/18 (2006.01)**
[25] EN
[54] **LOOPING SAUCER AMUSEMENT ATTRACTION AND METHOD FOR MAKING THE SAME**
[54] **ATTRACTION DIVERTISSANTE DE TYPE SOUCOUPE EFFECTUANT DES BOUCLES ET SON PROCEDE DE FABRICATION**
[72] CHUTTER, GEOFF, CA
[72] BRIGGS, RICK, CA
[72] BARRERA, CLAUDIO, CA
[72] KHOMOVSKIY, ANDREY, CA
[72] BRADLEY, BRUCE, CA
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[85] 2019-12-06
[86] 2018-06-08 (PCT/IB2018/000761)
[87] (WO2018/224888)
[30] US (62/517,053) 2017-06-08
[30] US (29/625,616) 2017-11-10

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[51] **Int.Cl. A01N 47/14 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **NOVEL PESTICIDAL COMBINATIONS**
[54] **COMBINAISONS PESTICIDES D'UN NOUVEAU TYPE**
[72] FABRI, CARLOS EDUARDO, BR
[72] SHROFF, RAJJU DEVIDAS, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
[85] 2019-12-06
[86] 2018-05-29 (PCT/IB2018/053805)
[87] (WO2018/224914)
[30] IN (201731020298) 2017-06-09

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[51] **Int.Cl. A01N 47/14 (2006.01) A01N 37/40 (2006.01) A01N 43/36 (2006.01) A01N 43/56 (2006.01) A01N 47/34 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **NOVEL PESTICIDAL COMBINATIONS**
[54] **NOUVELLES COMBINAISONS PESTICIDES**
[72] FABRI, CARLOS EDUARDO, BR
[72] SHROFF, RAJJU DEVIDAS, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
[85] 2019-12-06
[86] 2018-05-29 (PCT/IB2018/053807)
[87] (WO2018/224915)
[30] IN (201731020299) 2017-06-09

[21] **3,066,646**
[13] A1
[51] **Int.Cl. H04W 72/14 (2009.01)**
[25] EN
[54] **DATA SCHEDULING METHOD AND RELATED DEVICE**
[54] **PROCEDE D'ORDONNANCEMENT DE DONNEES ET DISPOSITIF ASSOCIE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-08-04 (PCT/CN2017/095964)
[87] (WO2019/024076)

[21] **3,066,818**
[13] A1
[51] **Int.Cl. F28F 9/02 (2006.01) F26B 17/16 (2006.01) F28D 7/10 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER FOR HEATING OR COOLING BULK SOLIDS**
[54] **ECHANGEUR DE CHALEUR DE CHAUFFAGE OU DE REFROIDISSEMENT DE SOLIDES EN VRAC**
[72] BYMAN, ASHLEY D., CA
[72] HUANG, XINGCUN, CA
[72] MCGILLIVRAY, ROBERT, CA
[71] SOLEX THERMAL SCIENCE INC., CA
[85] 2019-12-10
[86] 2018-06-19 (PCT/CA2018/050744)
[87] (WO2019/000079)
[30] US (15/633,365) 2017-06-26

[21] **3,066,819**
[13] A1
[51] **Int.Cl. C02F 11/14 (2019.01) C02F 1/52 (2006.01) C02F 1/56 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING SLUDGE**
[54] **PROCEDE DE TRAITEMENT DE BOUES**
[72] RECKTENWALD, MICHAEL, FI
[72] WU, SUHUA, CN
[72] LI, PING, CN
[71] KEMIRA OYJ, FI
[85] 2019-12-10
[86] 2017-06-13 (PCT/CN2017/087993)
[87] (WO2018/227356)

[21] **3,066,820**
[13] A1
[51] **Int.Cl. C09D 5/18 (2006.01)**
[25] EN
[54] **INTUMESCENT COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT INTUMESCENT**
[72] WU, HAO, CN
[72] ZHU, LUOYI, CN
[72] YANG, LIN, CN
[71] PPG COATINGS (KUNSHAN) CO., LTD., CN
[85] 2019-12-10
[86] 2017-06-15 (PCT/CN2017/088391)
[87] (WO2018/227458)

[21] **3,066,821**
[13] A1
[51] **Int.Cl. H04W 72/12 (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] 2019-12-10
[86] 2017-06-16 (PCT/CN2017/088659)
[87] (WO2018/227555)

[21] **3,066,822**
[13] A1
[51] **Int.Cl. C22C 38/54 (2006.01) C23C 24/10 (2006.01)**
[25] EN
[54] **IRON BASED ALLOY SUITABLE FOR PROVIDING A HARD AND CORROSION RESISTANT COATING ON A SUBSTRATE, ARTICLE HAVING A HARD AND CORROSION RESISTANT COATING, AND METHOD FOR ITS MANUFACTURE**
[54] **ALLIAGE A BASE DE FER APPROPRIE POUR FOURNIR UN REVETEMENT DUR ET RESISTANT A LA CORROSION SUR UN SUBSTRAT, ARTICLE COMPRENANT UN REVETEMENT DUR ET RESISTANT A LA CORROSION, ET SON PROCEDE DE PRODUCTION**
[72] CAO, CECILIA, CN
[72] ZHU, CHRIS, CN
[72] ZHANG, BRUC, CN
[72] LIU, CRYSTAL, CN
[72] HALLEN, HANS, CN
[71] HOGANAS AB (PUBL), SE
[85] 2019-12-10
[86] 2017-06-21 (PCT/CN2017/089326)
[87] (WO2018/232618)

[21] **3,066,823**
[13] A1
[51] **Int.Cl. C22C 38/24 (2006.01) C22C 38/32 (2006.01)**
[25] EN
[54] **IRON BASED ALLOY SUITABLE FOR PROVIDING A HARD AND WEAR RESISTANT COATING ON A SUBSTRATE, ARTICLE HAVING A HARD AND WEAR RESISTANT COATING, AND METHOD FOR ITS MANUFACTURE**
[54] **ALLIAGE A BASE DE FER APPROPRIE POUR FOURNIR UN REVETEMENT DUR ET RESISTANT A L'USURE SUR UN SUBSTRAT, ARTICLE COMPRENANT UN REVETEMENT DUR ET RESISTANT A L'USURE, ET SON PROCEDEDE PRODUCTION**
[72] CAO, CECILIA, CN
[72] LIU, CRYSTAL, CN
[72] VESTERLING, KARI, CN
[72] WANG, ERIK, CN
[72] HALLEN, HANS, CN
[71] HOGANAS AB (PUBL), SE
[85] 2019-12-10
[86] 2017-06-21 (PCT/CN2017/089327)
[87] (WO2018/232619)

[21] **3,066,824**
[13] A1
[51] **Int.Cl. E21B 43/08 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **COMPOSITE WATER-CONTROLLING AND FLOW-LIMITING DEVICE AND SCREEN PIPE THEREOF**
[54] **DISPOSITIF COMPOSITE DE REGULATION D'EAU ET DE LIMITATION DE DEBIT ET TUBE FILTRE ASSOCIE**
[72] YI, HUIAN, CN
[72] LI, BOREN, CN
[72] WANG, ZHENXIANG, CN
[72] ZHUANG, QIANSHENG, CN
[72] CHEN, SHANYIN, CN
[72] LIU, MIAOREN, CN
[72] HUANG, XIPENG, CN
[72] LI, WENFEI, CN
[72] YI, QIZUN, CN
[72] TAO, ZHENG, CN
[71] STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD., CN
[85] 2019-12-10
[86] 2017-06-22 (PCT/CN2017/089532)
[87] (WO2018/232687)

[21] **3,066,825**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION SANS FIL**
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-10
[86] 2017-06-23 (PCT/CN2017/089824)
[87] (WO2018/232751)

[21] **3,066,826**
[13] A1
[51] **Int.Cl. H04L 12/741 (2013.01) G06F 9/48 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD, NETWORK INTERFACE CARD, AND SERVER**
[54] **PROCEDE DE TRAITEMENT DE DONNEES, CARTE D'INTERFACE RESEAU ET SERVEUR**
[72] LU, SHENGWEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-10
[86] 2017-06-30 (PCT/CN2017/091278)
[87] (WO2019/000434)

[21] **3,066,891**
[13] A1
[51] **Int.Cl. B66C 13/46 (2006.01) G06T 7/70 (2017.01) B66C 1/62 (2006.01) G06K 9/32 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REMOTE CRANE CONTROL**
[54] **APPAREIL ET PROCEDE DE COMMANDE DE GRUE A DISTANCE**
[72] LEE, LIP KIONG, SG
[72] HO, VEE LEUNG, SG
[71] PSA INTERNATIONAL PTE LTD, SG
[85] 2019-11-29
[86] 2017-07-04 (PCT/SG2017/050338)
[87] (WO2019/009800)

[21] **3,066,903**
[13] A1
[25] EN
[54] **METHODS AND APPARATUS FOR EFFICIENTLY IMPLEMENTING A DISTRIBUTED DATABASE WITHIN A NETWORK**
[54] **PROCEDES ET APPAREIL POUR UNE IMPLEMENTATION EFFICACE D'UNE BASE DE DONNEES DISTRIBUEE DANS UN RESEAU**
[72] BAIRD, LEEMON C., III, US
[72] HARMON, MANCE, US
[71] SWIRLDS, INC., US
[85] 2019-12-10
[86] 2018-07-11 (PCT/US2018/041625)
[87] (WO2019/014337)
[30] US (62/531,153) 2017-07-11

[21] **3,066,906**
[13] A1
[51] **Int.Cl. H04W 76/50 (2018.01) H04W 36/14 (2009.01) H04W 48/18 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO IMPROVE MOBILITY FOR A MOBILE DEVICE IN ECALL-ONLY MODE**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER LA MOBILITE POUR UN DISPOSITIF MOBILE EN MODE ECALL UNIQUEMENT**
[72] CHAPONNIERE, LENAIG GENEVIEVE, US
[72] EDGE, STEPHEN WILLIAM, US
[72] ZISIMOPOULOS, HARIS, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-10
[86] 2018-07-24 (PCT/US2018/043408)
[87] (WO2019/023183)
[30] GR (20170100351) 2017-07-25
[30] US (16/043,096) 2018-07-23

[21] **3,066,931**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 7/00 (2006.01) F03D 7/04 (2006.01)**
[25] EN
[54] **IMPROVED ELECTRO-THERMAL HEATING SYSTEM FOR WIND TURBINE BLADES**
[54] **SYSTEME DE CHAUFFAGE ELECTROTHERMIQUE AMELIORE POUR PALES D'EOLIENNE**
[72] WOOD, ARRAN, GB
[72] BUGGY, STEPHEN, GB
[72] BADGER, PAUL, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2019-12-11
[86] 2018-06-21 (PCT/DK2018/050160)
[87] (WO2019/001669)
[30] DK (PA 2017 70535) 2017-06-30

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[13] A1
[51] **Int.Cl. F42D 1/045 (2006.01) F42D 1/24 (2006.01) F42D 3/04 (2006.01) F42D 3/06 (2006.01)**
[25] EN
[54] **DOWNLINE WIRE**
[54] **FIL DESCENDANT**
[72] OLWAGE, PHILLIP, ZA
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
[85] 2019-12-10
[86] 2018-05-23 (PCT/ZA2018/050025)
[87] (WO2018/218262)
[30] ZA (2017/03516) 2017-05-23

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[13] A1
[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/20 (2006.01) C22B 3/44 (2006.01) C22B 23/06 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF COBALT AND ASSOCIATED OXIDES FROM VARIOUS FEED MATERIALS**
[54] **PROCEDE DE PRODUCTION DE COBALT ET D'OXYDES ASSOCIES A PARTIR DE DIVERS MATERIAUX DE CHARGE**
[72] HARRIS, BRYN, CA
[72] WHITE, CARL, CA
[71] URBAN MINING PTY LTD, AU
[71] NMR 360 INC, CA
[85] 2019-12-11
[86] 2018-06-08 (PCT/AU2018/050569)
[87] (WO2018/227237)
[30] US (62/519,457) 2017-06-14

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[13] A1
[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/4995 (2006.01) A61K 31/5386 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01) C07D 498/08 (2006.01)**
[25] EN
[54] **DIAZABICYCLIC SUBSTITUTED IMIDAZOPYRIMIDINES AND THEIR USE FOR THE TREATMENT OF BREATHING DISORDERS**
[54] **IMIDAZOPYRIMIDINES A SUBSTITUTION DIAZABICYCLIQUE ET LEUR UTILISATION POUR TRAITER DES MALADIES DES VOIES RESPIRATOIRES**
[72] DELBECK, MARTINA, DE
[72] HAHN, MICHAEL, DE
[72] MULLER, THOMAS, DE
[72] LUSTIG, KLEMENS, DE
[72] COLLINS, KARL, DE
[72] LINDNER, NIELS, DE
[72] NICOLAI, JANINE, DE
[72] BECK-BROICHSITTER, MORITZ, DE
[72] ALBUS, UDO, DE
[72] GEHRING, DORIS, DE
[72] ROSENSTEIN, BJORN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENFESELLSCHAFT, DE
[85] 2019-12-11
[86] 2018-06-07 (PCT/EP2018/064977)
[87] (WO2018/228907)
[30] EP (17176046.5) 2017-06-14
[30] EP (17193252.8) 2017-09-26

[21] **3,066,943**
[13] A1
[51] **Int.Cl. B22F 3/12 (2006.01) C23C 24/04 (2006.01)**
[25] EN
[54] **PROCESS FOR FORMING WROUGHT STRUCTURES USING COLD SPRAY**
[54] **PROCEDE POUR FORMER DES STRUCTURES CORROYEES PAR PROJECTION A FROID**
[72] ZAHIRI, SADEN HESHMATLLAH, AU
[72] GULIZIA, STEFAN, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2019-12-11
[86] 2018-06-20 (PCT/AU2018/050608)
[87] (WO2018/232451)
[30] AU (2017902355) 2017-06-20

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[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/5383 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **HETEROAROMATIC COMPOUNDS AS VANIN INHIBITORS**
[54] **COMPOSES HETEROAROMATIQUES UTILISES EN TANT QU'INHIBITEURS DE VANINE**
[72] BOSANAC, TODD, US
[72] BURKE, MICHAEL J, US
[72] COOK, BRIAN NICHOLAS, US
[72] DISALVO, DARREN TODD, US
[72] KIRRANE, THOMAS MARTIN JR., US
[72] SHEN, YUE, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2019-12-11
[86] 2018-06-08 (PCT/EP2018/065140)
[87] (WO2018/228934)
[30] US (62/518,106) 2017-06-12

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[13] A1
[51] **Int.Cl. D21B 1/16 (2006.01) D21C 3/22 (2006.01) D21C 9/00 (2006.01)**
[25] EN
[54] **METHOD OF INCREASING THE THROUGHPUT AND/OR DECREASING ENERGY USAGE OF A PULPING PROCESS**
[54] **PROCEDE D'AUGMENTATION DU DEBIT ET/OU DE DIMINUTION DE L'UTILISATION D'ENERGIE D'UN PROCESSUS DE REDUCTION EN PATE**
[72] RANDOLPH, JOHN ANDREW, US
[72] RYS, LAURENCE J, US
[72] LEIFELD, FERDINAND, DE
[72] FESSENBECKER, ACHIM, DE
[71] BASF SE, DE
[85] 2019-12-11
[86] 2018-06-12 (PCT/EP2018/065478)
[87] (WO2018/234097)
[30] US (62/522387) 2017-06-20

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[13] A1
[51] **Int.Cl. A01N 65/06 (2009.01) A01N 25/10 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL POLYMER COMPOSITION**
[54] **COMPOSITION POLYMERE ANTIMICROBIENNE**
[72] ALHA, KARI, FI
[72] RAMO, KOSTI, FI
[71] PREMIX OY, FI
[85] 2019-12-11
[86] 2018-06-14 (PCT/EP2018/065810)
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[72] PENNINGER, JOSEF, AT
[72] WIMMER, REINER, AT
[72] KERJASCHKI, DONTSCHO, AT
[71] IMBA - INSTITUT FUR MOLEKULARE BIOTECHNOLOGIE GMBH, AT
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[54] **SEQUENCES D'ACIDES AMINES ET D'ACIDES NUCLEIQUES D'ADENOVIRUS DE GRANDS SINGES NON HUMAINS, VECTEURS LES CONTENANT, ET UTILISATIONS ASSOCIEES**
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[72] COLLOCA, STEFANO, IT
[72] LAHM, ARMIN, IT
[71] NOUSCOM AG, CH
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[72] MUSLEHIDDINOGLU, JALE, BE
[72] GALA, DINESH, BE
[72] ALBANEZE-WALKER, JENNIFER ELIZABETH, BE
[71] GERON CORPORATION, US
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[54] **EQUIPEMENT RESPIRATOIRE POUR PILOTE D'AERONEF SANS CONTACT FACIAL**
[72] DELPRAT, JEAN-BAPTISTE, FR
[72] POTET, OLIVIER, FR
[72] FENERIE, ROMAIN, FR
[71] ZODIAC AEROTECHNICS, FR
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[71] YUYAMA MFG. CO., LTD., JP
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[54] **COMPOSITION DE RESINE THERMOPLASTIQUE, ADHESIF THERMOFUSIBLE, ELEMENT D'AUTOMOBILE ET ELEMENT DE MATERIAU HYGIENIQUE**
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[71] KURARAY CO., LTD., JP
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[54] **PREMELANGE SEC POUR BETON SOUPLE ET SON PROCEDE DE PREPARATION ET D'UTILISATION**
[72] PIPILIKAKI, PANAGIOTA, NL
[72] VERCAUTEREN, FRANKY FLORY, NL
[72] DE ROOIJ, MARIO ROBERT, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOETNO, NL
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[54] **SYSTEME ET PROCEDE POUR L'UTILISATION DANS LA PISCICULTURE OU L'EXPLOITATION DES RESSOURCES MARINES**
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[72] STORVIK, KJELL, NO
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[71] RESPOND GROWING SOLUTIONS LIMITED, NZ
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[54] **FABRICATION D'INTERMEDIAIRE DE NANOCELLULOSE RENDUE HYDROPHOBE AINSI QUE NANOCELLULOSE RENDUE HYDROPHOBE**
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[72] HENSCHEN, JONATAN, SE
[72] EK, MONICA, SE
[71] FINECELL SWEDEN AB, SE
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[54] **COMPLEXE D'EQUIPEMENT ET PROCEDE DE TRAITEMENT SANS DECHETS DE DECHETS MENAGERS BIODEGRADABLES**
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[72] VESELOVSKY, VLADIMIR, SK
[71] ZDROJE ZEME A.S., SK
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[54] **SYSTEMES ET PROCEDES D'ALIGNEMENT DE DONNEES D'EVENEMENT**
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[72] FORTNA, RAYMOND T., US
[72] GRUBB, NATHAN A., US
[72] BOHLANDER, MICHAEL J., US
[72] CONANT, TYLER J., US
[72] WEISZ, TAMAS AGOSTON, US
[72] EMMEL, ZACHARY S., US
[72] CHOW, TREVIN, US
[72] KERSH, MELISSA S., US
[72] HERSHFIELD, JACOB DAVIS, US
[72] SMITH, PATRICK W., US
[72] ALVAREZ ZAYAS, ABRAHAM, US
[71] AXON ENTERPRISE, INC., US
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[54] **MODELISATION DE RESERVOIR BASEE SUR UN APPRENTISSAGE PROFOND**
[72] PANDEY, YOGENDRA NARAYAN, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] YARUS, JEFFREY MARC, US
[72] CHAUDHARY, NARESH, US
[72] SRINIVASAN, NAGARAJ, US
[72] ETIENNE, JAMES, GB
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[54] **APPAREIL ET SYSTEME DE SURVEILLANCE**
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[71] KORPMAN, DILLON JAMES, US
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[54] **APPAREIL, PROCEDE ET SYSTEME D'ASSISTANT COGNITIF BASE SUR UN APERCU POUR AMELIORER L'EXPERTISE DE L'UTILISATEUR LORS DE L'APPRENTISSAGE, DE L'EXAMEN, DE LA REPETITION ET DE LA MEMORISATION**
[72] NGUYEN, PHU-VINH, US
[71] FUVI COGNITIVE NETWORK CORPORATION, US
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[54] **CAPTURED BALL VALVE MECHANISM**
[54] **MECANISME DE CLAPET A BILLE CAPTUREE**
[72] DUDZINSKI, PAUL, US
[72] CORNETT, KEN, US
[72] FUNKE, DAN, US
[71] PARKER-HANNIFIN CORPORATION, US
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[25] EN
[54] **USE OF COMPOSITE MEDIA FOR TREATMENT OF PRODUCED WATER FROM CHEMICAL ENHANCED OIL RECOVERY**
[54] **UTILISATION DE MILIEUX COMPOSITES POUR LE TRAITEMENT D'EAU PRODUITE A PARTIR D'UNE RECUPERATION ASSISTEE DU PETROLE PAR VOIE CHIMIQUE**
[72] PATTERSON, MATTHEW R., US
[72] FELCH, CHAD L., US
[72] WIERCINSKI, SHANE P., US
[71] SIEMENS ENERGY, INC., US
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[54] **METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION OF ANALYTE IN WHOLE BLOOD**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE LA CONCENTRATION D'ANALYTE DANS LE SANG TOTAL**
[72] DUBEY, SATISH KUMAR, IN
[72] LAL, ASHISH KUMAR, IN
[72] PRABHU, VISHAL MANJANATH, IN
[72] LEDDEN, DAVID, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
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[54] **SWALLOWABLE CAPSULE, SYSTEM AND METHOD FOR MEASURING GASTRIC EMPTYING PARAMETERS**
[54] **CAPSULE INGERABLE, SYSTEME ET PROCEDE DE MESURE DE PARAMETRES DE VIDANGE GASTRIQUE**
[72] IMRAN, MIR, US
[71] INCUBE LABS, LLC, US
[85] 2019-12-11
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[54] **IMPROVED FINE POWDER DISTRIBUTION SYSTEM AND DUST COLLECTION SYSTEM FOR POWDER-LAYER THREE-DIMENSIONAL PRINTERS AND RELATED METHODS**
[54] **SYSTEME AMELIORE DE DISTRIBUTION DE POUDRE FINE ET SYSTEME DE COLLECTE DE POUSSIERE POUR IMPRIMANTES TRIDIMENSIONNELLES A COUCHES DE POUDRE ET PROCEDES ASSOCIES**
[72] VOSS, LAWRENCE J., US
[72] BOLT, JOSEPH J., US
[72] DUGAN, ANTHONY S., US
[72] MCCOY, MICHAEL JOHN, US
[72] BRUNERMER, DANIEL T., US
[72] INKS, TRAVIS MAXWELL, US
[72] KNOR, PAUL P., US
[71] THE EXONE COMPANY, US
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[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCERS WITH COVALENT INHIBITORS OF CYCLIN-DEPENDENT KINASE 7 (CDK7)**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE CANCERS PAR DES INHIBITEURS COVALENTS DE KINASE 7 CYCLINE-DEPENDANTE (CDK7)**
[72] RAJAGOPAL, NISHA, US
[72] HODGSON, GRAEME, US
[72] DI TOMASO, EMMANUELLE, US
[72] JOHANNESSEN, LIV HELENA, US
[72] HU, SHANHU, US
[71] SYROS PHARMACEUTICALS, INC., US
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[54] **CABLE AVEC PROTECTION D'INTERFACE SUR ROUTE**
[72] CHENG, XIAOLE, US
[72] FEWKES, EDWARD JOHN, US
[72] GIMBLET, MICHAEL JOHN, US
[72] NICHOLSON, WESLEY BRIAN, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
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[54] **GANT AYANT DES CAPTEURS POUR LE SUIVI D'EXERCICES PHYSIQUES**
[72] CASTLE, ROBERT, US
[71] CASTLE, ROBERT, US
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[30] US (62/517,947) 2017-06-11
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[54] **METHODES DE TRAITEMENT D'UNE MALADIE LEPTOMENINGEE**
[72] BURZYNSKI, STANISLAW R., US
[71] BURZYNSKI, STANISLAW R., US
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[25] EN
[54] **CASSETTE DESIGN DROP OUT BOX, COMBUSTION CHAMBER, DUCT AND ELECTRIC ARC FURNACE UPPER SHELL SYSTEM**
[54] **SEPARATEUR DE POUSSIERE A CASSETTE, CHAMBRE DE COMBUSTION, CONDUIT ET SYSTEME D'ENVELOPPE SUPERIEURE DE FOUR A ARC ELECTRIQUE**
[72] MANASEK, RICHARD J., US
[71] AMERIFAB, INC., US
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[54] **METHODS OF TREATING BRAIN TUMORS USING COMBINATION THERAPY**
[54] **METHODES DE TRAITEMENT DE TUMEURS CEREBRALES A L'AIDE D'UNE POLYTHERAPIE**
[72] MURTIE, JOSHUA, US
[72] NAGARAJA, NELAMANGALA, US
[72] NICOLAY, BRANDON, US
[72] SCHENKEIN, DAVID, US
[72] YEN, KATHARINE, US
[71] AGIOS PHARMACEUTICALS, INC., US
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[54] **FLUID CACHING**
[54] **MISE EN CACHE DE FLUIDE**
[72] COX-MURANAMI, WESLEY, US
[72] SEGALE, DARREN ROBERT, US
[72] MILLER, OLIVER JON, GB
[72] FOLEY, JENNIFER OLIVIA, US
[72] KHURANA, TARUN KUMAR, US
[72] CRIVELLI, PAUL, US
[72] WATTS, GARY, US
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-12-05
[86] 2019-01-10 (PCT/US2019/013002)
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[30] US (62/621,270) 2018-01-24

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[51] **Int.Cl. C07J 31/00 (2006.01) A61K 31/56 (2006.01) C07J 3/00 (2006.01)**
[25] EN
[54] **POTENT SOFT ANTI-INFLAMMATORY CORTICOSTEROID COMPOUNDS AND USES THEROF**
[54] **COMPOSES CORTICOSTEROIDES ANTI-INFLAMMATOIRES DOUX PUISSANTS ET LEURS UTILISATIONS**
[72] BODOR, NICHOLAS S., US
[71] BODOR LABORATORIES, INC., US
[85] 2019-12-11
[86] 2018-06-13 (PCT/US2018/037366)
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[30] US (62/518,922) 2017-06-13
[30] US (62/559,201) 2017-09-15
[30] US (62/562,099) 2017-09-22

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[54] **GASTRO-RESISTANT CONTROLLED RELEASE ORAL DOSAGE FORMS**
[54] **FORMES POSOLOGIQUES ORALES GASTRO-RESISTANTES A LIBERATION CONTROLEE**
[72] GEORGI, EMMANUELLE, FR
[72] SAOUD, JAY, US
[72] LUTHRINGER, REMY, CH
[72] WERNER, SANDRA, FR
[72] NOEL, NADINE, FR
[71] MINERVA NEUROSCIENCES, INC., US
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[87] (WO2018/237207)
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[54] **MODULATEURS TETRAHYDROPYRIDOPYRAZIN E DE GPR6**
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[72] HITCHCOCK, STEPHEN, US
[72] HOPKINS, MARIA, US
[72] KIKUCHI, SHOTA, US
[72] MONENSCHEIN, HOLGER, US
[72] REICHARD, HOLLY, US
[72] SCHLEICHER, KRISTIN, US
[72] SUN, HUIKAI, US
[72] MACKLIN, TODD, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[87] (WO2018/232202)
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[30] US (62/672,261) 2018-05-16

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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 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
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[54] **METHOD FOR PRODUCING A COMPOSITE MATERIAL PART, AND COMPOSITE PART OBTAINED**
[54] **PROCEDE DE REALISATION D'UNE PIECE EN MATERIAU COMPOSITE, ET PIECE COMPOSITE OBTENUE**
[72] VALEMBOIS, GUY, FR
[71] CONSEIL ET TECHNIQUE, FR
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[25] EN
[54] **METHODS OF TREATING BRAIN TUMORS USING COMBINATION THERAPY**
[54] **METHODES DE TRAITEMENT DE TUMEURS CEREBRALES A L'AIDE D'UNE POLYTHERAPIE**
[72] MURTIE, JOSHUE, US
[72] NAGARAJA, NELAMANGALA, US
[72] NICOLAY, BRANDON, US
[72] SCHENKEIN, DAVID, US
[72] YEN, KATHARINE, US
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[54] **DOSAGE HOMOGENE**
[72] CHOU, STEPHEN Y., US
[72] LI, JI, US
[72] DING, WEI, US
[72] ZHANG, YUFAN, US
[72] QI, JI, US
[72] TIAN, JUN, US
[71] ESSENLIX CORPORATION, US
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[54] **CONNECTEUR D'ALIMENTATION A SURVEILLANCE DE STATUT INTEGREE**
[72] ABUGHAZALEH, SHADI ALEX, US
[72] PAPAGEORGE, RYAN, US
[72] SCANZILLO, THOMAS, US
[72] SAMOJEDEN, MATTHEW, US
[71] HUBBELL INCORPORATED, US
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[51] **Int.Cl. F24S 25/617 (2018.01)**
[25] EN
[54] **METALLURGICAL STEEL POST DESIGN FOR SOLAR FARM FOUNDATIONS AND INCREASED GUARDRAIL DURABILITY**
[54] **CONCEPTION DE POTEAU EN ACIER METALLURGIQUE POUR FONDATIONS DE PARC SOLAIRE ET DURABILITE AUGMENTEE DE RAIL PROTECTEUR**
[72] RUSSELL, THOMAS E., US
[71] RUSSELL, THOMAS E., US
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[54] **SYSTEMS AND METHODS FOR PRESERVATION OF CELLS**
[54] **SYSTEMES ET PROCEDES DE CONSERVATION DE CELLULES**
[72] MENZE, MICHAEL, US
[72] KOPECHEK, JONATHAN, US
[72] JANIS, BRETT, US
[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, US
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[25] EN
[54] **INSECTICIDAL PROTEINS FROM PLANTS AND METHODS FOR THEIR USE**
[54] **PROTEINES INSECTICIDES ISSUES DE PLANTES ET PROCEDES POUR LEUR UTILISATION**
[72] BARRY, JENNIFER KARA, US
[72] D'OLIVIERA, ANGEL ELIZABETH GRACE, US
[72] GERBER, RYAN MICHAEL, US
[72] HAYES, KEVIN, US
[72] LU, ALBERT L., US
[72] LUM, AMY, US
[72] SCHELLENBERGER, UTE, US
[72] SCHEPERS, ERIC, US
[72] SOPA, JEFFREY, US
[72] XIE, WEIPING, US
[72] YALPANI, NASSER, CA
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[86] 2018-06-14 (PCT/US2018/037473)
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[30] US (62/521,084) 2017-06-16

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[51] **Int.Cl. G06F 21/56 (2013.01)**
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[54] **A SAFE & SECURE INTERNET OR NETWORK CONNECTED COMPUTING MACHINE PROVIDING MEANS FOR PROCESSING, MANIPULATING, RECEIVING, TRANSMITTING AND STORING INFORMATION FREE FROM HACKERS, HIJACKERS, VIRUS, MALWARE, ETC.**
[54] **MACHINE INFORMATIQUE FIABLE ET SECURISEE CONNECTEE A L'INTERNET OU A UN RESEAU FOURNISSANT DES MOYENS DE TRAITEMENT, DE MANIPULATION, DE RECEPTION, DE TRANSMISSION ET DE STOCKAGE D'INFORMATIONS A L'ABRI DES PIRATES, DES DETOURNEMENTS, DES VIRUS, DES LOGICIELS MALVEILLANTS, ETC.**
[72] NATH, PRITAM, US
[71] NATH, PRITAM, US
[85] 2019-12-11
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[51] **Int.Cl. G06F 1/16 (2006.01) G06F 13/10 (2006.01)**
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[54] **DISPOSITIF DE STOCKAGE PORTABLE AVEC SYSTEME D'ALIMENTATION ET DE BOITIER MODULAIRE**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[71] FASETTO, INC., US
[85] 2019-12-11
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[87] (WO2018/232186)
[30] US (62/520,336) 2017-06-15
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[51] **Int.Cl. A61B 18/14 (2006.01) A61B 17/00 (2006.01) A61B 17/32 (2006.01) A61B 18/00 (2006.01) B05D 5/02 (2006.01) B05D 5/08 (2006.01)**
[25] EN
[54] **COATED ELECTROSURGICAL VESSEL SEALER ELECTRODES**
[54] **ELECTRODES DE SCELLEMENT DE VAISSEAUX ELECTROCHIRURGICAUX ENDUITS**
[72] DEL CID, ROBERTO, US
[72] LONTINE, MICHAEL, US
[72] OLICHNEY, MICHAEL, US
[72] WILLIAMS, MASON, US
[71] CONMED CORPORATION, US
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[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMULATIONS OF N-(2-(2-(DIMETHYLAMINO)ETHOXY)-4-METHOXY-5-((4-(1-METHYL-1H-INDOL-3-YL)PYRIMIDIN-2-YL)AMINO)PHENYL)ACRYLAMIDE AND SALTS THEREOF**
[54] **FORMULATIONS PHARMACEUTIQUES DE N-(2-(2-(DIMETHYLAMINO)ETHOXY)-4-METHOXY-5-((4-(1-METHYL-1H-INDOLE-3-YL)PYRIMIDINE-2-YL)AMINO)PHENYL)ACRYLAMIDE ET DE SELS DE CE DERNIER**
[72] GRECO, MICHAEL NICHOLAS, US
[72] COSTANZO, MICHAEL JOHN, US
[72] GREEN, MICHAEL ALAN, US
[72] PENG, JIRONG, US
[72] WILDE, VICTORIA LYNN, US
[72] ZHANG, DON, US
[71] BETA PHARMA, INC., US
[85] 2019-12-11
[86] 2018-06-15 (PCT/US2018/037744)
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[30] US (62/521,007) 2017-06-16

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[51] **Int.Cl. C12N 15/63 (2006.01) C07K 14/705 (2006.01) C12N 15/64 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01) G01N 33/94 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING G PROTEIN COUPLED RECEPTOR MEDIATED CONDITIONS**
[54] **COMPOSITIONS ET PROCEDES POUR TRAITER DES AFFECTIONS MEDIEES PAR LES RECEPTEURS COUPLES AUX PROTEINES G**
[72] DONG, XINZHONG, US
[72] VASADA, CHIRAG, US
[72] SNYDER, SOLOMON H., US
[72] MEIXIONG, JAMES, US
[72] CHENG, YINGYING, US
[72] LIMJUNYAWONG, NATHACHIT, US
[72] DONG, XINTONG, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
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[30] US (62/520,812) 2017-06-16

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[51] **Int.Cl. D06M 23/00 (2006.01) D01F 11/00 (2006.01) D02G 3/00 (2006.01) D02J 1/04 (2006.01) D02J 1/14 (2006.01) D04H 1/54 (2012.01) D04H 3/14 (2012.01)**
[25] EN
[54] **METHODS, PROCESSES, AND APPARATUSES FOR PRODUCING DYED AND WELDED SUBSTRATES**
[54] **METHODES, PROCEDES ET APPAREILS PERMETTANT DE PRODUIRE DES SUBSTRATS TEINTS ET SOUDES**
[72] HAVERHALS, LUKE MICHAEL, US
[72] AMSTUTZ, AARON KENNETH, US
[72] CHOI, JONGLAK, US
[72] TANG, XILING, US
[72] MOLTER, MICHAEL, US
[72] NULL, SPENCER JACOB, US
[71] NATURAL FIBER WELDING, INC., US
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[30] US (62/520,056) 2017-06-15

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[51] **Int.Cl. C07K 14/46 (2006.01) A61K 38/00 (2006.01) A61K 38/16 (2006.01) A61K 38/17 (2006.01) A61P 31/04 (2006.01) C07K 1/107 (2006.01) C07K 14/00 (2006.01) C07K 14/435 (2006.01)**
[25] EN
[54] **STABILIZED ANTI-MICROBIAL PEPTIDES FOR THE TREATMENT OF ANTIBIOTIC-RESISTANT BACTERIAL INFECTIONS**
[54] **PEPTIDES ANTIMICROBIENS STABILISES POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES RESISTANTES AUX ANTIBIOTIQUES**
[72] WALENSKY, LOREN D., US
[72] MOURTADA, RIDA, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2019-12-11
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[30] US (62/644,114) 2018-03-16

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[51] **Int.Cl. C12Q 1/6806 (2018.01)**
[25] EN
[54] **HYDROGEL BEADS FOR NUCLEOTIDE SEQUENCING**
[54] **BILLES D'HYDROGEL POUR LE SEQUENCAGE NUCLEOTIDIQUE**
[72] WU, YIR-SHYUAN, US
[72] CHEN, XI-JUN, US
[72] GORPE-YASAR, FILIZ, US
[72] NOE, FALKO, US
[72] LIN, CHARLES, US
[72] KHURANA, TARUN KUMAR, US
[72] MASHAYEKHI, FOAD, US
[72] DAGGUMATI, PALLAVI, US
[72] STEEMERS, FRANK J., US
[72] GUNDERSON, KEVIN L., US
[72] FISHER, JEFFREY S., US
[71] ILLUMINA, INC., US
[85] 2019-12-11
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[30] US (62/539,956) 2017-08-01

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[13] A1
[51] **Int.Cl. G01F 11/24 (2006.01)**
[25] EN
[54] **MANUALLY-OPERATED GRANULAR SUBSTANCE DISPENSER**
[54] **DISTRIBUTEUR DE SUBSTANCE GRANULAIRE A COMMANDE MANUELLE**
[72] FREDSALL, GIL, US
[71] FREDSALL, GIL, US
[85] 2019-12-11
[86] 2018-06-18 (PCT/US2018/038018)
[87] (WO2018/232385)
[30] US (62/520,742) 2017-06-16

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[13] A1
[51] **Int.Cl. A61L 27/16 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **IMPLANT FOR INJURED NERVE TISSUE PROSTHETICS, METHOD OF SURGICAL TREATMENT FOR INJURED NERVE TISSUE AND USE OF POROUS POLYTETRAFLUORETHYLENE**
[54] **IMPLANT POUR PROTHESES DE TISSU NERVEUX LESE, PROCEDE DE TRAITEMENT CHIRURGICAL POUR TISSU NERVEUX LESE ET UTILISATION DE POLYTETRAFLUOROETHYLENE POREUX**
[72] DOSTA, ANATOLI D., BY
[71] DOSTA, ANATOLI D., BY
[85] 2019-12-12
[86] 2017-09-26 (PCT/BY2017/000017)
[87] (WO2018/227264)
[30] BY (a20170215) 2017-06-13

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[51] **Int.Cl. H01R 13/28 (2006.01) H01R 24/84 (2011.01) H01R 13/11 (2006.01) H01R 13/187 (2006.01) H01R 13/627 (2006.01) H01R 13/64 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE**
[72] ANDERSON, JOHN D., US
[71] STANDARD CAR TRUCK COMPANY, US
[85] 2019-12-11
[86] 2018-08-14 (PCT/US2018/046668)
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[30] US (15/677,751) 2017-08-15

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[13] A1
[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 31/282 (2006.01) A61K 31/337 (2006.01) A61K 41/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TINOSTAMUSTINE FOR USE IN TREATING OVARIAN CANCER**
[54] **TINOSTAMUSTINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DU CANCER DE L'OVAIRE**
[72] MEHRLING, THOMAS JORG, CH
[71] EURO-CELTIQUE S.A., LU
[85] 2019-12-12
[86] 2018-06-13 (PCT/EP2018/065669)
[87] (WO2018/229134)
[30] GB (1709405.3) 2017-06-13

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[13] A1
[51] **Int.Cl. B60C 7/00 (2006.01) B60B 1/06 (2006.01)**
[25] EN
[54] **WHEEL COMPRISING A NON-PNEUMATIC TIRE**
[54] **ROUE EQUIPEE D'UN PNEU NON PNEUMATIQUE**
[72] THOMPSON, RONALD H., US
[71] CAMSO INC., CA
[85] 2019-12-12
[86] 2018-05-04 (PCT/CA2018/050534)
[87] (WO2018/227276)
[30] US (62/520,227) 2017-06-15

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 5/05 (2006.01) A61B 17/54 (2006.01) A61B 18/14 (2006.01) A61B 18/20 (2006.01) A61N 1/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR DETERMINING DAMAGED TISSUE USING SUB-EPIDERMAL MOISTURE MEASUREMENTS**
[54] **APPAREIL ET PROCEDES POUR IDENTIFIER UN TISSU ENDOMMAGE A L'AIDE DES MESURES D'HUMIDITE SOUS-EPIDERMIQUE**
[72] BURNS, MARTIN, US
[72] BARRINGTON, SARA, US
[72] ROSS, GRAHAM, US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2019-12-11
[86] 2018-06-18 (PCT/US2018/038055)
[87] (WO2018/236739)
[30] US (62/521,837) 2017-06-19

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR AIDING IN DIAGNOSING AND EVALUATING A TRAUMATIC BRAIN INJURY IN A HUMAN SUBJECT USING A COMBINATION OF GFAP AND UCH-L1**
[54] **PROCEDES D'AIDE AU DIAGNOSTIC ET A L'EVALUATION D'UN LESION CEREBRALE TRAUMATIQUE CHEZ UN SUJET HUMAIN AU MOYEN D'UNE COMBINAISON DE GFAP ET D'UCH-L1**
[72] MCQUISTON, BETH, US
[72] DATWYLER, SAUL, US
[72] CHANDRAN, RAJ, US
[72] MARINO, JAIME, US
[71] ABBOTT LABORATORIES, US
[85] 2019-12-11
[86] 2018-11-28 (PCT/US2018/062888)
[87] (WO2019/112860)
[30] US (62/596,814) 2017-12-09
[30] US (62/610,805) 2017-12-27
[30] US (62/663,811) 2018-04-27
[30] US (62/667,227) 2018-05-04

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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **ACCELERATION SYSTEM FOR FACILITATING PROCESSING OF API CALLS**
[54] **SYSTEME D'ACCELERATION PERMETTANT DE FACILITER LE TRAITEMENT D'APPELS API**
[72] POITREY, OLIVIER JEAN, US
[71] NETFLIX, INC., US
[85] 2019-12-11
[86] 2018-06-19 (PCT/US2018/038176)
[87] (WO2018/236795)
[30] US (15/628,509) 2017-06-20

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR AIDING IN THE DIAGNOSIS AND EVALUATION OF A SUBJECT WHO HAS SUSTAINED AN ORTHOPEDIC INJURY AND THAT HAS OR MAY HAVE SUSTAINED AN INJURY TO THE HEAD, SUCH AS MILD TRAUMATIC BRAIN INJURY (TBI), USING GLIAL FIBRILLARY ACIDIC PROTEIN (GFAP) AND/OR UBIQUITIN CARBOXY-TERMINAL HYDROLASE L1 (UCH-L1)**
[54] **PROCEDES D'AIDE AU DIAGNOSTIC ET A L'EVALUATION D'UN SUJET QUI A SUBI UNE LESION ORTHOPEDIQUE ET QUI A SUBI OU PEUT AVOIR SUBI UNE LESION A LA TETE, TELLE QU'UNE LESION CEREBRALETRAUMATIQUE LEGERE (TBI), A L'AIDE D'UNE PROTEINE ACIDE FIBRILLAIRE GLIALE (GFAP) ET/OU D'HYDROLASE CARBOXY-TERMINALE D'UBIQUITINE L1 (UCH-L1)**
[72] MCQUISTON, BETH, US
[72] DATWYLER, SAUL, US
[72] CHANDRAN, RAJ, US
[71] ABBOTT LABORATORIES, US
[85] 2019-12-11
[86] 2018-12-07 (PCT/US2018/064587)
[87] (WO2019/113525)
[30] US (62/596,805) 2017-12-09
[30] US (62/611,707) 2017-12-29
[30] US (62/652,734) 2018-04-04

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[13] A1
[51] **Int.Cl. A61K 31/4164 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING TNBC**
[54] **COMPOSES PERMETTANT DE TRAITER LE CANCER DE SEIN TRIPLE NEGATIF**
[72] MEHRLING, THOMAS JORG, CH
[71] EURO-CELTIQUE S.A., LU
[85] 2019-12-12
[86] 2018-06-13 (PCT/EP2018/065662)
[87] (WO2018/229130)
[30] GB (1709406.1) 2017-06-13

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[13] A1
[51] **Int.Cl. A61B 17/08 (2006.01) A61B 17/03 (2006.01)**
[25] EN
[54] **WOUND CLOSURE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FERMETURE DE PLAIE**
[72] MCDONALD, LEE, CA
[72] BURKE, ROBERT, CA
[72] DE REZENDE NETO, JOAO BAPTISTA, CA
[71] SOUTHMEDIC INCORPORATED, CA
[85] 2019-12-12
[86] 2018-06-13 (PCT/CA2018/050713)
[87] (WO2018/227292)
[30] US (62/518,756) 2017-06-13

[21] **3,067,060**
[13] A1
[51] **Int.Cl. C01B 3/12 (2006.01) C01B 3/34 (2006.01) C25B 1/00 (2006.01)**
[25] EN
[54] **SOOT AVOIDANCE AND/OR SOOT REDUCTION PROCESS AND ASSEMBLY**
[54] **PROCEDE ET SYSTEME POUR EVITER ET/OU REDUIRE LA QUANTITE DE SUIE**
[72] RUGER, DIETMAR, DE
[72] BERNINGHAUSEN, CARL, DE
[72] KLAHN, CHRISTIAN, DE
[72] BECKER, SEBASTIAN, DE
[72] BLUMENTRITT, ROBERT, DE
[71] SUNFIRE GMBH, DE
[85] 2019-12-12
[86] 2018-06-11 (PCT/DE2018/100553)
[87] (WO2018/228642)
[30] EP (17175569.7) 2017-06-12

[21] **3,067,061**
[13] A1
[51] **Int.Cl. C25B 1/00 (2006.01) C10K 3/00 (2006.01) C25B 1/10 (2006.01) C25B 9/18 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **SYNTHESIS GAS PRODUCTION FROM CO2 AND H2O IN A CO-ELECTROLYSIS**
[54] **PRODUCTION DE GAZ DE SYNTHESE A PARTIR DE CO2 ET DE H2O AVEC CO-ELECTROLYSE**
[72] RUGER, DIETMAR, DE
[71] SUNFIRE GMBH, DE
[85] 2019-12-12
[86] 2018-06-11 (PCT/DE2018/100554)
[87] (WO2018/228643)
[30] EP (17175568.9) 2017-06-12

[21] **3,067,062**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) A61B 5/00 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/573 (2006.01)**
[25] EN
[54] **MARKERS FOR DISEASE AND DISEASE EXTENT IN INFLAMMATORY BOWEL DISEASE**
[54] **MARQUEURS POUR UNE MALADIE ET L'ETENDUE DE LA MALADIE DANS UNE AFFECTION ABDOMINALE INFLAMMATOIRE**
[72] FIGEYS, JOSEPH MICHEL DANIEL, CA
[72] STINTZI, ALAIN CHRISTOPHE, CA
[72] MACK, DAVID R., CA
[72] STARR, AMANDA ELIZABETH, CA
[72] DEEKE, SHELLEY A., CA
[71] UNIVERSITY OF OTTAWA, CA
[85] 2019-12-12
[86] 2018-06-14 (PCT/CA2018/050716)
[87] (WO2018/227295)
[30] US (62/520,652) 2017-06-16

[21] **3,067,063**
[13] A1
[51] **Int.Cl. C07C 233/84 (2006.01) A61K 31/166 (2006.01) A61K 31/33 (2006.01) A61P 35/00 (2006.01) C07D 209/86 (2006.01) C07D 209/88 (2006.01) C07D 265/38 (2006.01) C07D 307/91 (2006.01) C07D 311/84 (2006.01) C07D 317/68 (2006.01) C07D 319/24 (2006.01)**
[25] EN
[54] **CALPAIN MODULATORS AND THERAPEUTIC USES THEREOF**
[54] **MODULATEURS DE CALPAINE ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] BUCKMAN, BRAD OWEN, US
[72] YUAN, SHENDONG, US
[72] EMAYAN, KUMARASWAMY, US
[72] ADLER, MARC, US
[72] NICHOLAS, JOHN BEAMOND (DECEASED), US
[72] MA, JINGYUAN, US
[71] BLADE THERAPEUTICS, INC., US
[85] 2019-12-11
[86] 2018-06-19 (PCT/US2018/038344)
[87] (WO2018/236913)
[30] US (62/524,334) 2017-06-23

[21] **3,067,064**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR WOUND HEALING**
[54] **BIOMARQUEURS DE CICATRISATION DES PLAIES**
[72] STACEY, MICHAEL, CA
[72] PHILLIPS, STEVEN, CA
[72] SWAIN, JILLIAN MARLENE, AU
[71] MCMASTER UNIVERSITY, CA
[71] UNIVERSITY OF WESTERN AUSTRALIA, AU
[85] 2019-12-12
[86] 2018-06-14 (PCT/CA2018/050720)
[87] (WO2018/227299)
[30] US (62/519,478) 2017-06-14

[21] **3,067,065**
[13] A1
[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 41/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TINOSTAMUSTINE FOR USE IN TREATING SARCOMA**
[54] **TINOSTAMUSTINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DU SARCOME**
[72] MEHRLING, THOMAS JORG, CH
[71] EURO-CELTIQUE S.A., LU
[85] 2019-12-12
[86] 2018-06-13 (PCT/EP2018/065668)
[87] (WO2018/229133)
[30] GB (1709403.8) 2017-06-13

[21] **3,067,066**
[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01) E21B 36/00 (2006.01) E21B 43/08 (2006.01) E21B 43/38 (2006.01)**
[25] EN
[54] **PROCESS TO PRODUCE HYDROGEN FROM UNDERGROUND GEOTHERMAL RESERVOIRS**
[54] **PROCEDE DE PRODUCTION D'HYDROGENE A PARTIR DE RESERVOIRS GEOTHERMIQUES SOUTERRAINS**
[72] WANG, JINGYI, CA
[72] STREM, GRANT D., CA
[72] GATES, IAN D., CA
[71] REVENTECH INC., VG
[85] 2019-12-12
[86] 2018-06-14 (PCT/CA2018/050724)
[87] (WO2018/227303)
[30] CA (62/520,047) 2017-06-15

[21] **3,067,067**
[13] A1
[51] **Int.Cl. A01M 25/00 (2006.01) A01N 25/00 (2006.01)**
[25] EN
[54] **PRODUCT AND DEVICE FOR CONTROLLING PESTS, IN PARTICULAR RODENTS**
[54] **PRODUIT ET DISPOSITIF DE LUTTE CONTRE LES BIOAGRESSEURS, NOTAMMENT LES RONGEURS TELS QUE LES SOURIS, ET UTILISATION DE CE PRODUIT**
[72] GASSER, KLAUS, IT
[71] GASSER, KLAUS, IT
[85] 2019-12-12
[86] 2017-06-30 (PCT/EP2017/066245)
[87] (WO2018/002292)
[30] AT (A50589/2016) 2016-06-30
[30] AT (A50956/2016) 2016-10-20

[21] **3,067,068**
[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/071 (2010.01) C12N 5/0793 (2010.01) C12N 5/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING BIOENGINEERED NEURONAL ORGANOIDS (BENOS) AND USES THEREOF**
[54] **PROCEDES DE PRODUCTION D'ORGANOIDES NEURONAUX BIOLOGIQUEMENT MODIFIES (BENO) ET UTILISATIONS CORRESPONDANTES**
[72] ZIMMERMANN, WOLFRAM-HUBERTUS, DE
[72] ZAFEIRIOU, MARIA PATAPIA, DE
[71] GEORG-AUGUST-UNIVERSITAT GOTTINGEN STIFTUNG OFFENTLICHEN RECHTS, UNIVEITATSMEDIZIN, DE
[85] 2019-12-12
[86] 2018-06-08 (PCT/EP2018/065204)
[87] (WO2018/228948)
[30] EP (17175874.1) 2017-06-13
[30] EP (17205951.1) 2017-12-07

[21] **3,067,069**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6886 (2018.01) A61K 39/00 (2006.01)**
[25] EN
[54] **MIRNA-574-5P AS A BIOMARKER FOR STRATIFICATION OF PROSTAGLANDIN E-DEPENDENT TUMORS**
[54] **ARNMI-574-5P COMME BIOMARQUEUR DE LA STRATIFICATION DES TUMEURS DEPENDANTES DE LA PROSTAGLANDINE E**
[72] STEINHILBER, DIETER, DE
[72] SAUL, MEIKE JULIA, DE
[72] SUESS, BEATRIX, DE
[72] BAUMANN, ISABELL, DE
[72] JAKOBSSON, PER-JOHAN, SE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-12-12
[86] 2018-06-11 (PCT/EP2018/065318)
[87] (WO2018/228978)
[30] EP (17175535.8) 2017-06-12

[21] **3,067,070**
[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/427 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROAROMATIC UREA OR CARBAMATE COMPOUNDS FOR USE IN THERAPY**
[54] **COMPOSES D'UREE OU DE CARBAMATE HETEROAROMATIQUES BICYCLIQUES DESTINES A ETRE UTILISES EN THERAPIE**
[72] WILL, DAVID WILLIAM, DE
[72] REID, GEORGE, DE
[72] CHARAPITSA, IRYNA, DE
[72] LEWIS, JOE, DE
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2019-12-12
[86] 2018-06-14 (PCT/EP2018/065819)
[87] (WO2018/229197)
[30] EP (17175900.4) 2017-06-14

[21] **3,067,071**
[13] A1
[51] **Int.Cl. B01D 3/00 (2006.01) C12C 1/00 (2006.01) C12C 7/28 (2006.01) C12C 11/11 (2019.01) C12H 1/02 (2006.01) C12H 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE PRODUCTION OF A PHYSICALLY STABLE HIGH GRAVITY BEER**
[54] **SYSTEME ET PROCEDE POUR LA PRODUCTION D'UNE BIERE A HAUTE DENSITE PHYSIQUEMENT STABLE**
[72] MCGOVERN, RONAN K., US
[72] WEINER, ADAM M., US
[72] HUNT, ANDREW, US
[72] THOMPSON, PAUL MICHAEL, US
[71] SANDYMOUNT TECHNOLOGIES CORPORATION, US
[85] 2019-12-11
[86] 2018-06-20 (PCT/US2018/038517)
[87] (WO2018/237015)
[30] US (62/522,562) 2017-06-20
[30] US (62/639,883) 2018-03-07

[21] **3,067,072**
[13] A1
[51] **Int.Cl. H04W 74/00 (2009.01)**
[25] EN
[54] **ACCESS CONTROL METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE CONTROLE D'ACCES ET PRODUIT ASSOCIE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-12
[86] 2017-06-15 (PCT/CN2017/088525)
[87] (WO2018/227510)

[21] **3,067,073**
[13] A1
[51] **Int.Cl. B61B 12/00 (2006.01) B61B 12/06 (2006.01)**
[25] EN
[54] **CABLEWAY WITH LOCKING MONITOR FOR A VEHICLE**
[54] **TELEPHERIQUE A SURVEILLANCE DE VERROUILLAGE D'UN VEHICULE**
[72] MOHR, CLEMENS, AT
[72] PFEIFER, DANIEL, AT
[71] INNOVA PATENT GMBH, AT
[85] 2019-12-12
[86] 2018-06-11 (PCT/EP2018/065269)
[87] (WO2018/228965)
[30] AT (A 50487/2017) 2017-06-12

[21] **3,067,074**
[13] A1
[51] **Int.Cl. H04W 12/02 (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] 2019-12-12
[86] 2017-07-28 (PCT/CN2017/094912)
[87] (WO2019/019150)

[21] **3,067,075**
[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/427 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROAROMATIC AMIDE COMPOUNDS FOR USE IN THERAPY**
[54] **COMPOSES AMIDE HETEROAROMATIQUES BICYCLIQUES DESTINES A ETRE UTILISES EN THERAPIE**
[72] WILL, DAVID WILLIAM, DE
[72] REID, GEORGE, DE
[72] CHARAPITSA, IRYNA, DE
[72] LEWIS, JOE, DE
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2019-12-12
[86] 2018-06-14 (PCT/EP2018/065817)
[87] (WO2018/229195)
[30] EP (17175896.4) 2017-06-14

[21] **3,067,076**
[13] A1
[51] **Int.Cl. B04B 13/00 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATOR AND METHOD OF OPERATING A CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE ET PROCEDE DE FONCTIONNEMENT D'UN SEPARATEUR CENTRIFUGE**
[72] LARSSON, PER-GUSTAF, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2019-12-12
[86] 2018-06-11 (PCT/EP2018/065356)
[87] (WO2018/228992)
[30] EP (17176208.1) 2017-06-15

[21] **3,067,077**
[13] A1
[51] **Int.Cl. F16D 65/12 (2006.01)**
[25] EN
[54] **FRICTION RING ELEMENT, FRICTION RING SET FOR ARRANGING ON THE WHEEL WEB OF A TRACK WHEEL, AS WELL AS TRACK WHEEL BRAKE**
[54] **CORPS DE BAGUE DE FRICTION, ENSEMBLE DE BAGUES DE FRICTION A AGENCER SUR L'AME DE ROUE D'UNE ROUE FERROVIAIRE, AINSI QUE FREIN DE ROUE FERROVIAIRE**
[72] STROETMANN, ANDREAS, DE
[72] IMHOF, PHILIPP, DE
[72] MEHLAN, ANDREAS, DE
[71] FAIVELEY TRANSPORT WITTEN GMBH, DE
[85] 2019-12-12
[86] 2018-06-12 (PCT/EP2018/065475)
[87] (WO2018/229043)
[30] DE (20 2017 103 551.4) 2017-06-14

[21] **3,067,078**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGE PROCESSING**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] JIANG, CHUNHUA, CN
[72] ZHAO, SHURUI, CN
[72] WANG, HANYU, CN
[72] ZHOU, HAIHUA, CN
[71] SHANGHAI UNITED IMAGING HEALTHCARE CO., LTD., CN
[85] 2019-12-12
[86] 2017-12-29 (PCT/CN2017/120325)
[87] (WO2018/227943)
[30] CN (201710447718.9) 2017-06-14
[30] CN (201710468784.4) 2017-06-14

[21] **3,067,080**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/427 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **BENZOFURAN UREAS OR CARBAMATES AND HETEROAROMATIC ANALOGUES THEREOF FOR USE IN THERAPY**
[54] **BENZOFURANE-UREES OU CARBAMATES ET ANALOGUES HETEROAROMATIQUES DE CEUX-CI DESTINES A ETRE UTILISES EN THERAPIE**
[72] WILL, DAVID WILLIAM, DE
[72] REID, GEORGE, DE
[72] CHARAPITSA, IRYNA, DE
[72] LEWIS, JOE, DE
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2019-12-12
[86] 2018-06-14 (PCT/EP2018/065816)
[87] (WO2018/229194)
[30] EP (17175906.1) 2017-06-14

[21] **3,067,081**
[13] A1
[51] **Int.Cl. H04W 52/18 (2009.01) H04W 52/14 (2009.01)**
[25] EN
[54] **TRANSIT POWER DETERMINING METHOD, PROCESSING CHIP, AND COMMUNICATIONS DEVICE**
[54] **PROCEDE DE DETERMINATION DE PUISSANCE D'ENVOI, PUCE DE TRAITEMENT ET DISPOSITIF DE COMMUNICATION**
[72] ZHANG, XI, CN
[72] GUAN, PENG, CN
[72] TANG, XIAOYONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-12
[86] 2018-06-14 (PCT/CN2018/091226)
[87] (WO2018/228465)
[30] CN (201710459810.7) 2017-06-16
[30] CN (201710698502.X) 2017-08-15

[21] **3,067,083**
[13] A1
[51] **Int.Cl. C11D 3/48 (2006.01) C11D 3/04 (2006.01) C11D 3/39 (2006.01) C11D 3/395 (2006.01) C11D 7/06 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **CHLORINE BLEACHING AFTER PERACID TREATMENT**
[54] **BLANCHIMENT AU CHLORE APRES TRAITEMENT PAR UN PERACIDE**
[72] LANG, JASON, US
[72] CREW, BENJAMIN, US
[72] FAST, JONATHAN P., US
[72] BECKER, ANGELA, US
[72] LUNDBERG, STEVEN, US
[71] ECOLAB USA INC., US
[85] 2019-12-11
[86] 2018-06-22 (PCT/US2018/038963)
[87] (WO2018/237248)
[30] US (62/523,474) 2017-06-22

[21] **3,067,084**
[13] A1
[51] **Int.Cl. A01N 37/42 (2006.01) A01N 25/04 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **PLANT GROWTH REGULATOR AND FUNGICIDE**
[54] **REGULATEUR DE CROISSANCE VEGETALE ET FONGICIDE**
[72] WIKELEY, PHILIP SIMON, GB
[72] REIGNARD, JOELLE, FR
[72] AELBRECHT, WIM, BE
[71] FINE AGROCHEMICALS LIMITED, GB
[85] 2019-12-12
[86] 2018-06-12 (PCT/EP2018/065513)
[87] (WO2018/229055)
[30] EP (17175541.6) 2017-06-12

[21] **3,067,086**
[13] A1
[51] **Int.Cl. C07D 407/12 (2006.01) A61K 31/343 (2006.01) A61K 31/4168 (2006.01) A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61P 17/06 (2006.01) A61P 17/14 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **BENZOFURAN AMIDES AND HETEROAROMATIC ANALOGUES THEREOF FOR USE IN THERAPY**
[54] **AMIDES DE BENZOFURANE ET LEURS ANALOGUES HETEROAROMATIQUES DESTINES A ETRE UTILISES EN THERAPIE**
[72] WILL, DAVID WILLIAM, DE
[72] REID, GEORGE, DE
[72] CHARAPITSA, IRYNA, DE
[72] LEWIS, JOE DAVID, DE
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2019-12-12
[86] 2018-06-14 (PCT/EP2018/065814)
[87] (WO2018/229193)
[30] EP (17175892.3) 2017-06-14

[21] **3,067,087**
[13] A1
[51] **Int.Cl. H04N 21/4405 (2011.01) H04N 21/443 (2011.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SECURE VIDEO PROCESSING**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT VIDEO SECURISE**
[72] SLIPKO, ROMAN, NL
[72] LAZARSKI, WOJCIECH, NL
[71] LIBERTY GLOBAL EUROPE HOLDING B.V., NL
[85] 2019-12-12
[86] 2018-06-12 (PCT/EP2018/065536)
[87] (WO2018/229066)
[30] EP (17175764.4) 2017-06-13

[21] **3,067,089**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] WANG, YUXIN, CN
[72] JIANG, CHUANGXIN, CN
[72] ZHANG, SHUJUAN, CN
[72] LU, ZHAOHUA, CN
[72] LI, YUNGOK, CN
[71] ZTE CORPORATION, CN
[85] 2019-12-12
[86] 2018-08-22 (PCT/CN2018/101813)
[87] (WO2019/062399)
[30] CN (201710939835.7) 2017-09-30

[21] **3,067,090**
[13] A1
[51] **Int.Cl. C01B 3/12 (2006.01) C01B 3/34 (2006.01) C25B 1/00 (2006.01)**
[25] EN
[54] **SOOT REMOVAL PROCESS AND ASSEMBLY IN COOLING SECTORS AND RECUPERATORS**
[54] **PROCEDE ET SYSTEME D'ELIMINATION DE LA SUIE DANS DES SECTIONS DE REFROIDISSEMENT ET DES RECUPERATEURS**
[72] RUGER, DIETMAR, DE
[72] BERNINGHAUSEN, CARL, DE
[72] KLAHN, CHRISTIAN, DE
[72] BECKER, SEBASTIAN, DE
[72] BLUMENTRITT, ROBERT, DE
[71] SUNFIRE GMBH, DE
[85] 2019-12-12
[86] 2018-06-11 (PCT/DE2018/100552)
[87] (WO2018/228641)
[30] EP (17175569.7) 2017-06-12

[21] **3,067,092**
[13] A1
[51] **Int.Cl. B25H 7/00 (2006.01) B23K 37/02 (2006.01) B23Q 3/00 (2006.01) G01B 5/00 (2006.01) G01B 7/14 (2006.01) G01B 11/14 (2006.01)**
[25] EN
[54] **LOCATIONING DEVICE FOR A MACHINING POINT ON A WORKPIECE**
[54] **DISPOSITIF DE LOCALISATION POUR UN POINT D'USINAGE SUR UNE PIECE A USINER**
[72] STENROTH, ANDREAS, FI
[71] ROCK ROOTS OY, FI
[85] 2019-12-12
[86] 2018-06-18 (PCT/EP2018/066120)
[87] (WO2018/229298)
[30] FI (20175562) 2017-06-16

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[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **TANK FOR FISH FARMING**
[54] **CUVE D'ELEVAGE DE POISSON**
[72] KRISTENSEN, PER HERBERT, NO
[72] KRISTENSEN, PER SVERRE HOLT, NO
[72] STAERK, LARS E., NO
[71] VARD GROUP AS, NO
[85] 2019-12-12
[86] 2018-06-13 (PCT/EP2018/065651)
[87] (WO2018/229123)
[30] NO (20170955) 2017-06-13

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[13] A1
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[54] **BLANCHIMENT A L'AIDE D'ACIDE PEROXYFORMIQUE ET D'UN CATALYSEUR A L'OXYGENE**
[72] LANG, JASON, US
[72] CREW, BENJAMIN, US
[72] FAST, JONATHAN P., US
[72] BECKER, ANGELA, US
[72] LUNDBERG, STEVEN, US
[71] ECOLAB USA INC., US
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[30] US (62/523,360) 2017-06-22

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[54] **A MACHINE AND A METHOD FOR ADDITIVE MANUFACTURING OF THREE-DIMENSIONAL OBJECTS**
[54] **MACHINE ET PROCEDE DE FABRICATION ADDITIVE D'OBJETS TRIDIMENSIONNELS**
[72] MUSEVIC, NATASA, SI
[71] AIONIS D.O.O., SI
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[54] **SYSTEM AND METHOD FOR AUTOMATICALLY GENERATING MEDIA**
[54] **SYSTEME ET PROCEDE DE GENERATION AUTOMATIQUE DE SUPPORTS**
[72] SERLETIC, MATTHEW MICHAEL, US
[72] BAZYLEVSKY, BO, GB
[72] MITCHELL, JAMES, US
[72] KOVAC, RICKY, US
[72] WOODWARD, PATRICK, US
[72] WEBB, THOMAS, US
[72] GROVES, RYAN, US
[72] SCHOFIELD, ED, US
[72] HARRISON, BRETT, US
[71] ZYA, INC., US
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[54] **SECONDARY CIRCUIT AND TIMING DEVICE FOR APPLIANCE**
[54] **CIRCUIT SECONDAIRE ET DISPOSITIF TEMPORISEUR POUR APPAREIL**
[72] MARSCHKE, KARL WARNER, US
[72] VODVARKA, BRIAN LLOYD, US
[72] KUMAR, RAJESH, US
[71] SPECTRUM BRANDS, INC., US
[85] 2019-12-11
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[54] **DISTRIBUTION SPATIALE DE SOURCES VIBRATOIRES MARINES**
[72] BEITZ, MANUEL, NO
[72] STRAND, CHRISTIAN, NO
[71] PGS GEOPHYSICAL AS, NO
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[30] US (62/520,892) 2017-06-16
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[54] **INTRAOCULAR LENSES FOR PRESBYOPIA TREATMENT**
[54] **LENTILLES INTRAOCULAIRES DE TRAITEMENT CONTRE LA PRESBYTIE**
[72] ROSEN, ROBERT, NL
[72] WEEBER, HENDRIK A., NL
[71] AMO GRONINGEN B.V., NL
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[54] **SIGHT FOR USE BY DAY AND AT NIGHT AND FIREARM**
[54] **VISEUR DESTINE A ETRE UTILISE DE JOUR ET DE NUIT ET ARME A FEU**
[72] SEZNEC-SERPAGGI, FRANCIS, FR
[71] H.T. CONSULTANT, LU
[71] SOFTBOX MADEIRA UNIPESSOAL, LDA, PT
[71] GAL S.L. LTD, IL
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[54] **SYSTEMS AND METHODS FOR ENDOVASCULAR FLUID INJECTION SIMULATIONS**
[54] **SYSTEMES ET PROCEDES DESTINES A DES SIMULATIONS D'INJECTION DE FLUIDE ENDOVASCULAIRES**
[72] LINDKVIST, JOHAN LENNART, SE
[71] MENTICE, INC., US
[85] 2019-12-11
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[25] FR
[54] **INSTALLATION POUR LE TRAITEMENT DES EAUX ET PROCEDE CORRESPONDANT**
[54] **WATER TREATMENT PLANT AND 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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[25] EN
[54] **MICROFLUIDIC ANALYTICAL DEVICE**
[54] **DISPOSITIF D'ANALYSE MICROFLUIDIQUE**
[72] ISAAC, THOMAS HENRY, GB
[72] CUNHA, PEDRO, GB
[72] SHERIDAN, EOIN, GB
[72] LOVE, DAVID, GB
[72] PALMER, REBECCA, GB
[72] KELLY, DOUGLAS J., GB
[72] PODD, GARETH, GB
[71] BASE4 INNOVATION LIMITED, GB
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[54] **DEVICE AND METHOD FOR CULTIVATING CELLS**
[54] **DISPOSITIF ET PROCEDE POUR LA CULTURE DE CELLULES**
[72] LOSKILL, PETER, DE
[72] SCHNEIDER, OLIVER, DE
[72] SCHNEIDER, STEFAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[30] DE (10 2017 209 942.9) 2017-06-13

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[54] **ELECTROLYTE POLYMERE SOLIDE DESTINE A DES BATTERIES**
[72] MOKRINI, ASMAE, CA
[72] LAFORGUE, ALEXIS, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **ASSURANCE QUALITE DE CHONDROCYTES**
[72] LUNDGREN AKERLUND, EVY, SE
[72] CHMIELARSKA MASOUMI, KATARZYNA, SE
[71] XINTELA AB, SE
[85] 2019-12-12
[86] 2018-06-29 (PCT/EP2018/067580)
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[54] **DOSAGE QUANTITATIF DE POLYSORBATE**
[72] MARTOS-SANCHEZ, ARIADNA, DE
[72] HAWE, ANDREA, DE
[71] CORIOLIS PHARMA RESEARCH GMBH, DE
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[25] EN
[54] **A POLYETHYLENE PIPE**
[54] **TUYAU EN POLYETHYLENE**
[72] WEYLAND, TANIA, CH
[72] BERTET, MARIE LAURE, FR
[72] HERBST, HEINZ, CH
[71] BASF SE, DE
[85] 2019-12-12
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[25] EN
[54] **A LINING, A HAUL TRUCK BODY COMPRISING THE SAME AND A HAUL TRUCK**
[54] **REVETEMENT, CORPS DE CAMION DE TRANSPORT COMPRENANT CELUI-CI ET CAMION DE TRANSPORT**
[72] LARSSON, FREDRIK, SE
[72] PERSSON, HENRIK, SE
[72] AHLBERG, PETER, SE
[72] JOHANSSON, MAGNUS, SE
[72] HALLEVALL, NICLAS, SE
[71] METSO SWEDEN AB, SE
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[54] **SUGAR COATING METHOD AND SUGAR COATED SOLID FORMS WITH IRREGULAR SHAPES**
[54] **NOUVEAU PROCEDE DE DRAGEIFICATION ET FORMES SOLIDES DRAGEIFIEES PRESENTANT DES FORMES IRREGULIERES**
[72] LEFEVRE, PHILIPPE, FR
[72] LE BIHAN, GREGORY, FR
[72] CROQUET, SEBASTIEN, FR
[71] ROQUETTE FRERES, FR
[85] 2019-12-12
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[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/14 (2006.01)**
[25] EN
[54] **METHOD FOR ISOLATION OF PROTEIN FROM PLANT MATERIAL**
[54] **PROCEDE D'ISOLEMENT D'UNE PROTEINE A PARTIR D'UN MATERIAU VEGETAL**
[72] WNUKOWSKI, PIOTR, NL
[72] KOZLOWSKA, MAGDALENA, PL
[72] STANCZYK, LUKASZ, PL
[72] RACHWAL, DANUTA ALINA, PL
[71] NAPIFERYN BIOTECH SP. Z O.O, PL
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[51] **Int.Cl. G02C 7/04 (2006.01) A61F 2/14 (2006.01) A61F 2/16 (2006.01)**
[25] EN
[54] **DIFFRACTIVE LENSES AND RELATED INTRAOCULAR LENSES FOR PRESBYOPIA TREATMENT**
[54] **LENTILLES DIFFRACTIVES ET LENTILLES INTRAOCULAIRES ASSOCIEES POUR LE TRAITEMENT DE LA PRESBYTIE**
[72] WEEBER, HENDRIK A., NL
[72] ROSEN, ROBERT, NL
[71] AMO GRONINGEN B.V., NL
[85] 2019-12-12
[86] 2018-06-27 (PCT/EP2018/067283)
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[25] EN
[54] **A LINING, A HAUL TRUCK BODY COMPRISING THE SAME AND A HAUL TRUCK**
[54] **DOUBLURE, BENNE DE CAMION DE TRANSPORT COMPRENANT CELLE-CI ET CAMION DE TRANSPORT**
[72] PERSSON, HENRIK, SE
[72] LARSSON, FREDRIK, SE
[72] JOHANSSON, MAGNUS, SE
[72] AHLBERG, PETER, SE
[72] HALLEVALL, NICLAS, SE
[71] METSO SWEDEN AB, SE
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[51] **Int.Cl. B63B 1/30 (2006.01) B63B 7/08 (2006.01)**
[25] FR
[54] **CONTROLLED LIFT ASSEMBLY WITH FOIL FOR SEMI-RIGID BOAT**
[54] **ENSEMBLE PORTANT ASSERVI A AILE PROFILEE POUR BATEAU SEMI RIGIDE**
[72] RAISON, DAVID, FR
[72] BOURGEON, JEAN MATHIEU, FR
[71] SEAIR, FR
[85] 2019-12-12
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[51] **Int.Cl. G01P 3/489 (2006.01) G01P 3/488 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING THE SPEED OF ROTATION OF AN AIRCRAFT ENGINE SHAFT, TAKING INTO ACCOUNT THE MEASUREMENT NOISE**
[54] **PROCEDE DE MESURE DE VITESSE DE ROTATION D'UN ARBRE DE MOTEUR D'AERONEF TENANT COMPTE DU BRUIT DE MESURE**
[72] DJELASSI, CEDRIK, FR
[72] GAUVRIT, JACQUES PAUL MICHEL, FR
[72] SCHIELIN, JEAN-FRANCOIS JEAN-PAUL CLEMENT, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[86] 2018-06-13 (PCT/FR2018/051393)
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[25] EN
[54] **METHOD FOR CULTIVATING CELLS**
[54] **PROCEDE DE CULTURE DE CELLULES**
[72] LOSKILL, PETER, DE
[72] SCHNEIDER, OLIVER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[51] **Int.Cl. F16B 5/02 (2006.01) B60P 1/28 (2006.01) F16B 33/00 (2006.01) F16B 37/06 (2006.01)**
[25] EN
[54] **METHOD AND FASTENING DEVICE FOR FASTENING A LINING ELEMENT**
[54] **PROCEDE ET DISPOSITIF DE FIXATION POUR LA FIXATION D'UN ELEMENT DE RENFORT**
[72] LARSSON, FREDRIK, SE
[72] PERSSON, HENRIK, SE
[72] HUHTALA, ALEKSI, FI
[72] LAMPSA, JUKKA, FI
[72] GYBERG, MICHAEL, SE
[71] METSO SWEDEN AB, SE
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[54] **RESEAU PHOTOSENSIBLE**
[72] DETERRE, MARTIN, FR
[72] BOUILLET, ELODIE, FR
[71] PIXIUM VISION SA, FR
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[25] EN
[54] **MOLECULAR IMPRINTED POLYMERS TARGETING PHENYLALANINE**
[54] **POLYMERES A EMPREINTE MOLECULAIRE CIBLANT LA PHENYLALANINE**
[72] GREGORIUS, KLAUS, DK
[72] KROGH, NICOLAS OTTO, DK
[71] MIPSALUS APS, DK
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[51] **Int.Cl. C12N 15/10 (2006.01) C07K 14/725 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **A TWO-COMPONENT VECTOR LIBRARY SYSTEM FOR RAPID ASSEMBLY AND DIVERSIFICATION OF FULL-LENGTH T-CELL RECEPTOR OPEN READING FRAMES**
[54] **SYSTEME BIBLIOTHEQUE DE VECTEURS A DEUX COMPOSANTS POUR L'ASSEMBLAGE RAPIDE ET DIVERSIFICATION DES CADRES DE LECTURE OUVERTS DU RECEPTEUR DE CELLULES T DE PLEINE LONGUEUR**
[72] JARVIS, REAGAN MICHEAL, SE
[72] HILL, RYAN EDWARD, SE
[72] PASE, LUKE BENJAMIN, SE
[71] GENOVIE AB, SE
[85] 2019-12-12
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[25] EN
[54] **A SAMPLE CARTRIDGE FOR INCUBATING AND/OR ANALYZING A DISPERSION OF PARTICLES, CELLS OR DROPLETS**
[54] **CARTOUCHE D'ECHANTILLON POUR INCUBER ET/OU ANALYSER UNE DISPERSION DE PARTICULES, DE CELLULES OU DE GOUTTELETTES**
[72] SCHULZ, TORSTEN, DE
[72] ERMANTRAUT, EUGEN, DE
[72] STEINMETZER, KATRIN, DE
[72] WOLF, ALRIK, DE
[71] BLINK AG, DE
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[25] EN
[54] **WEIGHT OPTIMIZATION**
[54] **OPTIMISATION DE POIDS**
[72] LARSSON, FREDRIK, SE
[72] PERSSON, HENRIK, SE
[72] GRONVALL, LARS, SE
[71] METSO SWEDEN AB, SE
[85] 2019-12-12
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[51] **Int.Cl. B29C 45/32 (2006.01) B29C 45/68 (2006.01) B29C 45/04 (2006.01)**
[25] EN
[54] **PLASTIC INJECTION MOLDING MACHINE AND MOLDING METHOD**
[54] **MACHINE D'INJECTION DE PLASTIQUE ET PROCEDE DE MOULAGE**
[72] PACIOS RIVERA, JOSE ANTONIO, ES
[71] DISENO Y DESARROLLO DE MATRICERIA, S.L., ES
[85] 2019-12-12
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[54] **PROCESS FOR MANUFACTURING A COMPOSITE PART**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN MATERIAU COMPOSITE**
[72] EBERLING-FUX, NICOLAS, FR
[72] BOUILLON, ERIC, FR
[72] JACOB, GUY, FR
[72] GOULLIANNE, EDDY, FR
[71] SAFRAN CERAMICS, FR
[71] ARIANEGROUP SAS, FR
[85] 2019-12-12
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[87] (WO2018/229428)
[30] FR (17/00619) 2017-06-13

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[51] **Int.Cl. B05B 11/00 (2006.01) B05B 7/24 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO CONTAINERS FOR FRAGRANCES**
[54] **AMELIORATIONS APPORTEES OU RELATIVES A DES RECIPIENTS POUR PARFUMS**
[72] EDWARDS, MICHAEL, GB
[71] VIVIANA LONDON LIMITED, GB
[85] 2019-11-14
[86] 2018-05-15 (PCT/GB2018/051304)
[87] (WO2018/211253)
[30] GB (1707924.5) 2017-05-17

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[13] A1
[51] **Int.Cl. B60P 1/28 (2006.01) B60R 13/01 (2006.01)**
[25] EN
[54] **A HAUL TRUCK BODY AND A METHOD FOR MANUFACTURING A HAUL TRUCK BODY**
[54] **CARROSSERIE DE CAMION DE ROULAGE ET PROCEDE DE FABRICATION D'UNE CARROSSERIE DE CAMION DE ROULAGE**
[72] LARSSON, FREDRIK, SE
[72] PERSSON, HENRIK, SE
[71] METSO SWEDEN AB, SE
[85] 2019-12-12
[86] 2018-06-21 (PCT/EP2018/066682)
[87] (WO2018/234514)
[30] EP (17177442.5) 2017-06-22

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[13] A1
[51] **Int.Cl. B05B 1/14 (2006.01) A61M 11/06 (2006.01) B05B 1/26 (2006.01)**
[25] EN
[54] **MULTILIQUID-NOZZLE**
[54] **BUSE MULTILIQUIDE**
[72] BARTELS, FRANK, DE
[72] RAWERT, JURGEN, DE
[71] SOFTHALE NV, BE
[85] 2019-12-12
[86] 2018-06-22 (PCT/EP2018/066714)
[87] (WO2018/234524)
[30] EP (17177455.7) 2017-06-22
[30] US (62/523,574) 2017-06-22

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[13] A1
[51] **Int.Cl. B64B 1/58 (2006.01) A62C 3/06 (2006.01) A62C 4/00 (2006.01)**
[25] EN
[54] **FLAME ARRESTER FOR THE SAFER USE OF HYDROGEN AS A LIFTING GAS IN AIRSHIPS**
[54] **PARE-FLAMMES POUR UTILISATION PLUS SURE DE L'HYDROGENE EN TANT QUE GAZ DE LEVAGE DANS DES DIRIGEABLES**
[72] GOODISMAN, MICHAEL IAN, GB
[71] GOODISMAN, MICHAEL IAN, GB
[85] 2019-12-12
[86] 2018-07-03 (PCT/IL2018/050719)
[87] (WO2019/008577)
[30] US (62/528,151) 2017-07-03

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[51] **Int.Cl. A61M 11/00 (2006.01) A61M 11/02 (2006.01) A61M 11/06 (2006.01) A61M 15/00 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01) A61M 16/20 (2006.01) B05B 1/26 (2006.01) B05B 11/00 (2006.01) A61M 15/02 (2006.01)**
[25] EN
[54] **INHALATION DEVICE WITH MULTILIQUID-NOZZLE AND METHOD**
[54] **DISPOSITIF D'INHALATION A BUSE MULTI-LIQUIDE ET PROCEDE**
[72] BARTELS, FRANK, DE
[72] RAWERT, JURGEN, DE
[71] SOFTHALE NV, BE
[85] 2019-12-12
[86] 2018-06-22 (PCT/EP2018/066716)
[87] (WO2018/234525)
[30] EP (17177462.3) 2017-06-22
[30] US (62/523,578) 2017-06-22

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[51] **Int.Cl. B23K 23/00 (2006.01) B23K 37/00 (2006.01) B23K 37/06 (2006.01)**
[25] EN
[54] **CONFIGURABLE EXOTHERMIC REACTION MOLD**
[54] **MOULE DE REACTION EXOTHERMIQUE CONFIGURABLE**
[72] STILWELL, CHARLES MITCHELL, US
[72] CEASS, RICHARD WALLACE, US
[72] RUFFIN, LOUIS WEBSTER, JR., US
[71] HUBBELL INCORPORATED, US
[85] 2019-12-11
[86] 2018-06-27 (PCT/US2018/039765)
[87] (WO2019/005974)
[30] US (62/525,820) 2017-06-28

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[51] **Int.Cl. E21B 17/02 (2006.01) B23B 31/06 (2006.01) E21B 17/03 (2006.01)**
[25] EN
[54] **QUICK-RELEASE COUPLING FOR DRILLING AND RELATED METHODS**
[54] **RACCORD RAPIDE POUR FORAGE ET PROCEDES ASSOCIES**
[72] BURGESS, TIMOTHY D., US
[72] BURGESS, WILLIAM ANDREW, US
[72] CRUM, LYLE ABRAHAM, US
[72] BISE, DOUGLAS EDWARD, US
[71] J.H. FLETCHER & CO., US
[85] 2019-12-11
[86] 2019-02-04 (PCT/US2019/016514)
[87] (WO2019/152928)
[30] US (62/625,605) 2018-02-02
[30] US (62/743,196) 2018-10-09

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[51] **Int.Cl. A61B 5/022 (2006.01) G16H 50/20 (2018.01) A61B 5/02 (2006.01) A61B 5/021 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING AND ANALYSIS OF BLOOD PRESSURE**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE ET D'ANALYSE DE PRESSION ARTERIELLE**
[72] BABARIS, JOHN, CA
[71] JADE HEALTHCARE GROUP INC., CA
[85] 2019-12-12
[86] 2018-05-31 (PCT/IB2018/053924)
[87] (WO2018/229587)
[30] US (62/519,914) 2017-06-15

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[13] A1
[51] **Int.Cl. C12Q 1/6834 (2018.01)**
[25] EN
[54] **DNA SEQUENCING USING HYDROGEL BEADS**
[54] **SEQUENCAGE D'ADN A L'AIDE DE BILLES D'HYDROGEL**
[72] WU, YIR-SHYUAN, US
[72] GORPE-YASAR, FILIZ, US
[72] KHURANA, TARUN KUMAR, US
[72] POPIC, VICTORIA, US
[72] JAEGER, ERICH B., US
[72] RONAGHI, MOSTAFA, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-02-11 (PCT/US2019/017521)
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[30] US (62/630,175) 2018-02-13

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[51] **Int.Cl. A61M 1/06 (2006.01) A61M 1/16 (2006.01)**
[25] EN
[54] **BREASTMILK PUMP**
[54] **POMPE A LAIT MATERNEL**
[72] EDELMAN, RON, IL
[72] WALDBERG, SEMION, IL
[72] WALDBERG, MARIA, IL
[71] ANNABELLA TECH LTD, IL
[85] 2019-12-12
[86] 2018-06-15 (PCT/IL2018/050667)
[87] (WO2018/229782)
[30] US (62/519,897) 2017-06-15

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[13] A1
[51] **Int.Cl. G01S 5/18 (2006.01) G01S 5/02 (2010.01) G01S 11/16 (2006.01)**
[25] EN
[54] **TRANSMITTING DEVICE FOR USE IN LOCATION DETERMINATION SYSTEMS**
[54] **DISPOSITIF DE TRANSMISSION DEVANT ETRE UTILISE DANS DES SYSTEMES DE LOCALISATION**
[72] BOOIJ, WILFRED EDWIN, NO
[72] OYEN, ARNE, NO
[71] SONITOR TECHNOLOGIES AS, NO
[85] 2019-12-12
[86] 2018-06-11 (PCT/IB2018/054217)
[87] (WO2018/229636)
[30] US (62/518,455) 2017-06-12
[30] US (62/542,397) 2017-08-08
[30] US (15/858,669) 2017-12-29

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[51] **Int.Cl. C01B 3/04 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **SEPARATION SYSTEM**
[54] **SYSTEME DE SEPARATION**
[72] GALBIATI, CRISTIANO, IT
[71] GALBIATI, CRISTIANO, IT
[85] 2019-12-12
[86] 2018-06-25 (PCT/IB2018/054658)
[87] (WO2018/235059)
[30] IT (102017000070755) 2017-06-23

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 21/00 (2006.01)**
[25] EN
[54] **GENERALIZED STOCHASTIC SUPER-RESOLUTION SEQUENCING**
[54] **SEQUENCAGE DE SUPER-RESOLUTION STOCHASTIQUE GENERALISEE**
[72] SKINNER, GARY MARK, GB
[72] EVANS, GERAINT WYN, GB
[72] HONG, STANLEY S., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-03-06 (PCT/US2019/021013)
[87] (WO2019/173515)
[30] US (62/640,909) 2018-03-09

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[13] A1
[51] **Int.Cl. C21B 5/00 (2006.01) C21B 5/02 (2006.01)**
[25] EN
[54] **OPERATING METHOD OF AN IRON MAKING INSTALLATION AND ASSOCIATED OPERATING INSTALLATION**
[54] **PROCEDE DE FONCTIONNEMENT D'UNE INSTALLATION DE FABRICATION DE FER ET INSTALLATION OPERATIONNELLE ASSOCIEE**
[72] GEEROMS, JORIS, BE
[72] SPELIER, KURT, BE
[72] VAN DE CASTEELE, STEFAAN, BE
[71] ARCELORMITTAL, LU
[85] 2019-12-12
[86] 2018-06-15 (PCT/IB2018/054413)
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[30] IB (PCT/IB2017/000739) 2017-06-16

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01) C12N 5/0784 (2010.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DECTIN-2 STIMULATION AND CANCER IMMUNOTHERAPY**
[54] **PROCEDES ET COMPOSITIONS POUR LA STIMULATION DE LA DECTINE 2 ET L'IMMUNOTHERAPIE CONTRE LE CANCER**
[72] KENKEL, JUSTIN, US
[72] ZHOU, MATTHEW, US
[72] ACKERMAN, SHELLEY ERIN, US
[72] ENGLEMAN, EDGAR GEORGE, US
[72] ALONSO, MICHAEL NATHANIEL, US
[72] BERTOZZI, CAROLYN R., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2019-12-11
[86] 2018-06-27 (PCT/US2018/039868)
[87] (WO2019/006038)
[30] US (62/526,266) 2017-06-28

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/513 (2006.01) A61K 31/5383 (2006.01) A61K 31/675 (2006.01)**
[25] EN
[54] **COMBINATION AND USES AND TREATMENTS THEREOF**
[54] **ASSOCIATION, UTILISATIONS ET SCHEMAS THERAPEUTIQUES**
[72] CAMPBELL, KENNETH CHURCHILL, GB
[72] DELAET, URBAIN ALFONS C., BE
[72] LAUGHERY, THOMAS, US
[72] LIMET, DOMINIQUE J., GB
[72] POTTAGE, JOHN C., US
[72] RENOU, LUDOVIC SYLVAIN MARC, GB
[72] SCOTT, TREVOR R., US
[72] SEILER, CHRISTIAN, GB
[72] WOODWARD, MARY, GB
[72] GOODRICH, JAMES M. (DECEASED), US
[72] GUAQUIERE, JULIETTE SEGOLENE, GB
[71] VIIV HEALTHCARE COMPANY, US
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
[85] 2019-12-12
[86] 2018-06-27 (PCT/IB2018/054769)
[87] (WO2019/003150)
[30] US (62/527,169) 2017-06-30
[30] GB (1717131.5) 2017-10-18
[30] GB (1719377.2) 2017-11-22
[30] GB (1806490.7) 2018-04-20
[30] US (62/535,290) 2017-07-21
[30] US (62/589,576) 2017-11-22

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[13] A1
[51] **Int.Cl. F26B 3/06 (2006.01) F26B 17/14 (2006.01) F26B 21/12 (2006.01)**
[25] EN
[54] **PROCESS FOR DRYING POLYMERIC GRANULAR MATERIAL AND SYSTEM OPERATING ACCORDING TO SAID PROCESS**
[54] **PROCEDE DE SECHAGE DE MATERIAU POLYMERE GRANULAIRE ET SYSTEME FONCTIONNANT SELON LEDIT PROCEDE**
[72] PIVA, RINALDO, IT
[71] PEGASO INDUSTRIES S.P.A., IT
[85] 2019-12-12
[86] 2018-06-15 (PCT/IB2018/054423)
[87] (WO2018/229722)
[30] IT (102017000066750) 2017-06-15

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[51] **Int.Cl. H04L 5/00 (2006.01) H04W 16/14 (2009.01) H04W 52/50 (2009.01) H04W 56/00 (2009.01) H04W 72/00 (2009.01) H04W 74/08 (2009.01) H04L 27/26 (2006.01)**
[25] EN
[54] **WAVEFORM DESIGN BASED ON POWER SPECTRAL DENSITY (PSD) PARAMETERS**
[54] **CONCEPTION DE FORME D'ONDE BASEE SUR DES PARAMETRES DE DENSITE SPECTRALE DE PUISSANCE (PSD)**
[72] ZHANG, XIAOXIA, US
[72] SUN, JING, US
[72] KADOUS, TAMER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-11
[86] 2018-06-28 (PCT/US2018/039992)
[87] (WO2019/018112)
[30] US (62/535,098) 2017-07-20
[30] US (16/020,400) 2018-06-27

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[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/24 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **STEERABLE RAIL DELIVERY SYSTEM**
[54] **SYSTEME DE POSE DE RAIL MANIABLE**
[72] COOPER, ALEXANDER H., US
[72] LANDON, DAVID ROBERT, US
[72] STEWART, KEVIN M., US
[72] JOHNSON, GARRETT DALLAS, US
[72] RABITO, GLEN T., US
[72] GUTIERREZ, TARANNUM ISHAQ, US
[72] OKABE, HIROSHI, US
[72] AGUILAR, RAMON, JR., US
[72] EDWARDS, JESSE ROBERT, US
[72] SCHEINBLUM, TAYLOR JACOB, US
[72] CHOW, PATRICK, US
[72] SANCHEZ, JULIO CESAR, US
[72] LUONG, HIEU MINH, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2019-12-11
[86] 2018-07-05 (PCT/US2018/040941)
[87] (WO2019/010321)
[30] US (62/529,394) 2017-07-06
[30] US (62/635,421) 2018-02-26

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[13] A1
[51] **Int.Cl. H04L 1/16 (2006.01) H04L 1/00 (2006.01) H04L 1/18 (2006.01)**
[25] EN
[54] **NEW RADIO VEHICLE-TO-ANYTHING NEGATIVE ACKNOWLEDGEMENT BASED MULTICAST**
[54] **NOUVELLE MULTIDIFFUSION RADIO BASEE SUR UN ACCUSE DE RECEPTION NEGATIF DE VEHICULE A TOUT OBJET**
[72] BAGHEL, SUDHIR KUMAR, US
[72] PATIL, SHAILESH, US
[72] WU, ZHIBIN, US
[72] GULATI, KAPIL, US
[72] CHENG, HONG, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-11
[86] 2018-07-06 (PCT/US2018/040999)
[87] (WO2019/022938)
[30] US (62/537,915) 2017-07-27
[30] US (16/020,518) 2018-06-27

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[13] A1
[51] **Int.Cl. G01N 21/17 (2006.01) G01N 21/01 (2006.01)**
[25] EN
[54] **ILLUMINATION FOR FLUORESCENCE IMAGING USING OBJECTIVE LENS**
[54] **ECLAIRAGE POUR IMAGERIE PAR FLUORESCENCE A L'AIDE D'UNE LENTILLE D'OBJECTIF**
[72] SUN, YINGHUA, US
[72] HONG, STANLEY S., US
[72] ERIE, FREDERICK, US
[72] NEMIROSKI, ALEX, US
[72] BOWEN, M. SHANE, US
[72] CONDELLO, DANILO, US
[72] DEHLINGER, DIETRICH, US
[72] KRUMBUEGEL, MARCO A., US
[72] LAM, ANTHONY, US
[72] LIU, AARON, US
[72] OBRADOVIC, BOJAN, US
[72] PRATT, MARK, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-03-12 (PCT/US2019/021893)
[87] (WO2019/190740)
[30] US (62/649,996) 2018-03-29

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[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/12 (2006.01) A61B 1/253 (2006.01)**
[25] EN
[54] **WINDOW SYSTEM FOR AN INTRAORAL SCANNER**
[54] **SYSTEME DE FENETRE POUR UN SCANNER INTRA-ORAL**
[72] KIM, HONG-KEUN, DE
[72] WOHANKA, MARTIN, DE
[72] KLEIN, KONRAD, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2019-12-12
[86] 2018-06-14 (PCT/EP2018/065880)
[87] (WO2018/229225)
[30] DE (10 2017 209 999.2) 2017-06-14

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[51] **Int.Cl. B26D 7/18 (2006.01) G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) G01N 21/89 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **ENGINE FOR GENERATING CONTROL PLANS FOR DIGITAL PRE-PRINT PAPER, SHEET, AND BOX MANUFACTURING SYSTEMS**
[54] **MOTEUR DESTINE A GENERER DES PLANS DE COMMANDE POUR DES SYSTEMES DE FABRICATION DE PAPIER PRE-IMPRIME NUMERIQUE, FEUILLE ET BOITE**
[72] SLOAN, CHARLIE BERT, IV, US
[72] SEAY, ROBERT DENNIS, US
[71] GEORGIA-PACIFIC CORRUGATED LLC, US
[85] 2019-12-11
[86] 2018-07-13 (PCT/US2018/041988)
[87] (WO2019/014536)
[30] US (62/532,483) 2017-07-14
[30] US (62/583,845) 2017-11-09
[30] US (62/597,079) 2017-12-11
[30] US (62/619,998) 2018-01-22
[30] US (62/649,942) 2018-03-29
[30] US (16/033,344) 2018-07-12

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[13] A1
[51] **Int.Cl. B26D 7/18 (2006.01) G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) G01N 21/89 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **REEL EDITOR FOR PRE-PRINT PAPER, SHEET, AND BOX MANUFACTURING SYSTEMS**
[54] **EDITEUR DE BOBINE POUR SYSTEMES DE FABRICATION DE PAPIER, FEUILLE ET BOITE PRE-IMPRIMES**
[72] SEAY, ROBERT DENNIS, US
[71] GEORGIA-PACIFIC CORRUGATED LLC, US
[85] 2019-12-11
[86] 2018-07-13 (PCT/US2018/041990)
[87] (WO2019/014537)
[30] US (62/532,483) 2017-07-14
[30] US (62/583,857) 2017-11-09
[30] US (62/597,016) 2017-12-11
[30] US (16/033,350) 2018-07-12

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[13] A1
[51] **Int.Cl. C21D 1/19 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A HOT-FORMED ARTICLE, AND OBTAINED ARTICLE**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE FORME A CHAUD, ET ARTICLE OBTENU**
[72] CHEN, SHANGPING, NL
[72] LAHAYE, CHRISTIAAN THEODORUS, NL
[72] RANA, RADHAKANTA, NL
[72] HENSEN, GUIDO CORNELIS, NL
[71] TATA STEEL IJMUIDEN B.V., NL
[85] 2019-05-14
[86] 2017-11-24 (PCT/EP2017/080359)
[87] (WO2018/099819)
[30] EP (16201179.5) 2016-11-29

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C09D 7/41 (2018.01) C08F 283/01 (2006.01) C08L 67/06 (2006.01) C08L 67/07 (2006.01) C09D 4/00 (2006.01) C09D 5/34 (2006.01)**
[25] EN
[54] **FILLER COMPOSITION INDICATING READINESS TO SAND**
[54] **COMPOSITION DE CHARGE INDIQUANT L'ETAT DE PREPARATION AU PONCAGE**
[72] TWARDOWSKA, HELENA, US
[72] SCHIRMER, ANDREW, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-11
[86] 2018-07-17 (PCT/US2018/042483)
[87] (WO2019/018392)
[30] US (62/534,486) 2017-07-19
[30] US (16/037,242) 2018-07-17

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[13] A1
[51] **Int.Cl. A61K 31/42 (2006.01) A61K 31/405 (2006.01) A61K 31/4545 (2006.01) A61K 31/497 (2006.01) A61K 31/554 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **TREATMENT OF DEPRESSION WITH NMDA ANTAGONISTS AND D2/5HT2A OR SELECTIVE 5HT2A ANTAGONISTS**
[54] **TRAITEMENT DE LA DEPRESSION AVEC DES ANTAGONISTES DU NMDA ET DE LA D2/5HT2A OU DES ANTAGONISTES DE LA 5HT2A SELECTIFS**
[72] JAVITT, DANIEL C., IL
[71] GLYTECH LLC., US
[85] 2019-12-12
[86] 2018-05-24 (PCT/IL2018/050565)
[87] (WO2018/229744)
[30] US (62/518,020) 2017-06-12

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[25] EN
[54] **T CELL RECEPTORS**
[54] **RECEPTEURS DE LYMPHOCYTES T**
[72] ADDIS, PHILIP WILLIAM, GB
[72] BEDKE, NICOLE JOY, GB
[72] BOUARD, LUCIE, GB
[72] HARPER, STEPHEN, GB
[72] LIDDY, NATHANIEL, GB
[72] MAHON, TARA, GB
[72] O'DWYER, RONAN PADRAIC, GB
[71] IMMUNOCORE LIMITED, GB
[85] 2019-12-12
[86] 2018-06-19 (PCT/EP2018/066287)
[87] (WO2018/234319)
[30] GB (1709866.6) 2017-06-20

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[51] **Int.Cl. A61K 35/768 (2015.01) A61P 35/00 (2006.01) C07K 14/18 (2006.01) C12N 7/01 (2006.01) C12N 15/40 (2006.01)**
[25] EN
[54] **ZIKA VIRUS STRAINS FOR TREATMENT OF GLIOBLASTOMA**
[54] **SOUCHES DU VIRUS ZIKA POUR LE TRAITEMENT DU GLIOBLASTOME**
[72] DIAMOND, MICHAEL, US
[72] CHHEDA, MILAN, US
[72] RICH, JEREMY, US
[72] SHI, PEI-YONG, US
[72] ZHU, ZHE, US
[72] GORMAN, MATTHEW, US
[71] WASHINGTON UNIVERSITY, US
[71] UNIVERSITY OF TEXAS MEDICAL BRANCH, US
[71] CLEVELAND CLINIC LERNER RESEARCH INSTITUTE, US
[85] 2019-12-12
[86] 2018-06-11 (PCT/US2018/036858)
[87] (WO2018/231690)
[30] US (62/518,300) 2017-06-12
[30] US (62/574,537) 2017-10-19

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[51] **Int.Cl. E03C 1/04 (2006.01) A61H 35/02 (2006.01)**
[25] EN
[54] **COMBINATION EMERGENCY WASH AND FAUCET UNIT**
[54] **UNITE COMBINEE DE ROBINET ET DE LAVAGE D'URGENCE**
[72] PERRIN, TIMOTHY E., US
[72] PFUND, RYAN, US
[72] CARPIAUX, DOUGLAS J., US
[72] MICOLEY, SCOTT H., US
[71] BRADLEY FIXTURES CORPORATION, US
[85] 2019-12-12
[86] 2018-06-11 (PCT/US2018/036933)
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[30] US (62/518,218) 2017-06-12

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[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01) G01J 5/12 (2006.01) G01K 17/00 (2006.01)**
[25] EN
[54] **DETECTOR OF ELECTROMAGNETIC RADIATION**
[54] **DETECTEUR DE RAYONNEMENT ELECTROMAGNETIQUE**
[72] SCORTICATI, DAVIDE, IT
[72] PELLEGRINO, SERGIO, IT
[72] CRAPELLA, GIACOMO, IT
[71] LASER POINT S.R.L., IT
[85] 2019-12-12
[86] 2018-06-20 (PCT/EP2018/066480)
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[30] IT (102017000070606) 2017-06-23

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[13] A1
[51] **Int.Cl. A47G 25/06 (2006.01) B62H 3/12 (2006.01) F16M 11/08 (2006.01) F16M 11/10 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **FOLDING WALL BRACKET**
[54] **SUPPORT MURAL PLIANT**
[72] NESIN, LIUBA, US
[72] NESIN, DRAGA, US
[71] NESIN, LIUBA, US
[71] NESIN, DRAGA, US
[85] 2019-12-12
[86] 2018-05-30 (PCT/US2018/035006)
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[30] US (62/530,822) 2017-07-10
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[51] **Int.Cl. C07K 16/06 (2006.01) A61K 39/395 (2006.01) A61P 37/04 (2006.01) G01N 30/02 (2006.01)**
[25] EN
[54] **IMMUNOGLOBULIN COMPOSITIONS AND PROCESS FOR OBTAINING THE SAME**
[54] **COMPOSITIONS D'IMMUNOGLOBULINES ET PROCEDE DE FABRICATION ASSOCIE**
[72] SAGIV, YUVAL, IL
[72] NISEMBLAT, SHAHAR, IL
[71] KAMADA LTD., IL
[85] 2019-12-12
[86] 2018-06-12 (PCT/IL2018/050642)
[87] (WO2018/229760)
[30] US (62/518,005) 2017-06-12

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MICRODROPLET MANIPULATION DEVICE**
[54] **DISPOSITIF DE MANIPULATION DE MICROGOUTLETTE**
[72] ISAAC, THOMAS HENRY, GB
[72] CUNHA, PEDRO, GB
[72] SHERIDAN, EOIN, GB
[72] LOVE, DAVID, GB
[72] PALMER, REBECCA, GB
[72] KELLY, DOUGLAS J., GB
[72] PODD, GARETH, GB
[71] BASE4 INNOVATION LIMITED, GB
[85] 2019-12-12
[86] 2018-06-21 (PCT/EP2018/066573)
[87] (WO2018/234445)
[30] EP (17177204.9) 2017-06-21

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6869 (2018.01) B01L 3/00 (2006.01) G01N 35/08 (2006.01)**
[25] EN
[54] **METHOD FOR INVESTIGATING MOLECULES SUCH AS NUCLEIC ACIDS**
[54] **PROCEDE DE RECHERCHE DE MOLECULES TELLES QUE DES ACIDES NUCLEIQUES**
[72] FRAYLING, CAMERON ALEXANDER, GB
[72] CUNHA, PEDRO, GB
[72] ISAAC, THOMAS HENRY, GB
[71] BASE4 INNOVATION LIMITED, GB
[85] 2019-12-12
[86] 2018-06-21 (PCT/EP2018/066579)
[87] (WO2018/234448)
[30] EP (17177204.9) 2017-06-21
[30] EP (17208257.0) 2017-12-18

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[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS SYSTEM**
[54] **SYSTEME DE LENTILLE INTRAOCULAIRE**
[72] SHMUKLER, VADIM, IL
[72] ISRAELI, NIR, IL
[71] EYEMED TECHNOLOGIES LTD, IL
[85] 2019-12-12
[86] 2018-06-13 (PCT/IL2018/050650)
[87] (WO2018/229766)
[30] US (62/518,796) 2017-06-13

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[13] A1
[51] **Int.Cl. B60P 1/28 (2006.01) B60R 13/01 (2006.01)**
[25] EN
[54] **A LINING FOR A HAUL TRUCK BODY, A TRANSITION LINING ELEMENT AND A METHOD FOR FASTENING A LINING**
[54] **REVETEMENT POUR UN CORPS DE CAMION DE TRANSPORT, ELEMENT DE REVETEMENT DE TRANSITION ET PROCEDE DE FIXATION D'UN REVETEMENT**
[72] PERSSON, HENRIK, SE
[72] LARSSON, FREDRIK, SE
[71] METSO SWEDEN AB, SE
[85] 2019-12-12
[86] 2018-06-21 (PCT/EP2018/066645)
[87] (WO2018/234490)
[30] EP (17177444.1) 2017-06-22

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[13] A1
[51] **Int.Cl. B65D 19/26 (2006.01)**
[25] EN
[54] **DETACHABLE PALLET**
[54] **PALETTE DEMONTABLE**
[72] MARCONEL CARPIO, JOSE LUIS, ES
[72] GARCIA GUILLEN, TOMAS ANDRES, ES
[71] LOGICPALET WORLD, S.L., ES
[85] 2019-12-12
[86] 2018-06-14 (PCT/ES2018/070426)
[87] (WO2018/229321)
[30] ES (P 201730799) 2017-06-14
[30] ES (P 201830576) 2018-06-13

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **PREPARATION OF NUCLEIC ACID LIBRARIES FROM RNA AND DNA**
[54] **PREPARATION DE BANQUES D'ACIDES NUCLEIQUES A PARTIR D'ARN ET D'ADN**
[72] XU, HONGXIA, US
[72] CAO, DAN, US
[72] ARAVANIS, ALEX, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-03-20 (PCT/US2019/023114)
[87] (WO2019/183188)
[30] US (62/646,487) 2018-03-22

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[13] A1
[51] **Int.Cl. H02J 50/70 (2016.01) H02J 50/10 (2016.01)**
[25] EN
[54] **METHOD FOR CONTROLLING NON-CONTACT ELECTRIC POWER SUPPLY SYSTEM, AND NON-CONTACT ELECTRIC POWER SUPPLY SYSTEM**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME D'ALIMENTATION ELECTRIQUE SANS CONTACT, ET SYSTEME D'ALIMENTATION ELECTRIQUE SANS CONTACT**
[72] TSUKAMOTO, YUKINORI, JP
[72] MO, SHIHANG, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-12
[86] 2017-06-13 (PCT/JP2017/021771)
[87] (WO2018/229858)

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[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01) C09K 9/00 (2006.01) G01J 1/04 (2006.01) G01J 1/50 (2006.01)**
[25] EN
[54] **INDICATING THE INTENSITY OF A PREDETERMINED TYPE OF RADIATION**
[54] **INDICATION DE L'INTENSITE D'UN TYPE PREDETERMINE DE RAYONNEMENT**
[72] LASTUSAARI, MIKA, FI
[72] NORRBO, ISABELLA, FI
[72] LAUKKANEN, PEKKA, FI
[71] TURUN YLIOPISTO, FI
[85] 2019-12-12
[86] 2018-10-17 (PCT/FI2018/050762)
[87] (WO2019/092309)
[30] FI (20175993) 2017-11-07

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[13] A1
[51] **Int.Cl. F16G 5/06 (2006.01) B29D 29/10 (2006.01) D02G 3/04 (2006.01) F16G 5/20 (2006.01)**
[25] EN
[54] **V-RIBBED BELT AND METHOD FOR MANUFACTURING SAME**
[54] **COURROIE TRAPEZOIDALE CRANTEE ET SON PROCEDE DE FABRICATION**
[72] YOKOYAMA, KAZUTAKA, JP
[72] TAKECHI, HIROKI, JP
[72] HASEGAWA, ARATA, JP
[72] NISHIYAMA, TAKESHI, JP
[72] MITSUTOMI, MANABU, JP
[71] MITSUBOSHI BELTING LTD., JP
[85] 2019-12-12
[86] 2018-06-15 (PCT/JP2018/023040)
[87] (WO2018/235755)
[30] JP (2018-112540) 2018-06-13
[30] JP (2017-120811) 2017-06-20

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[51] **Int.Cl. G02B 27/00 (2006.01) B08B 7/00 (2006.01)**
[25] EN
[54] **OPTICAL CLEANING CARTRIDGE**
[54] **CARTOUCHE DE NETTOYAGE OPTIQUE**
[72] KUMAR, ASHISH, US
[72] NEWMAN, PETER CLARKE, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-04-02 (PCT/US2019/025397)
[87] (WO2019/199527)
[30] US (62/655,777) 2018-04-10
[30] US (62/677,092) 2018-05-28

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[51] **Int.Cl. C12N 11/00 (2006.01) C12N 5/07 (2010.01) C12N 5/071 (2010.01) C12Q 1/6806 (2018.01) C12N 5/00 (2006.01) C12N 11/04 (2006.01) C12N 11/08 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **METHODS OF ENCAPSULATING SINGLE CELLS, THE ENCAPSULATED CELLS AND USES THEREOF**
[54] **PROCEDES D'ENCAPSULATION DE CELLULES UNIQUES, CELLULES ENCAPSULEES ET LEURS UTILISATIONS**
[72] STEEMERS, FRANK J., US
[72] RAMJI, RAMESH, US
[72] NORBERG, STEVEN, US
[72] CHRISTIANSEN, LENA, US
[72] POKHOLOK, DMITRY K., US
[72] ZHANG, FAN, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-04-15 (PCT/US2019/027540)
[87] (WO2019/204229)
[30] US (62/660,452) 2018-04-20

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[51] **Int.Cl. C07D 213/71 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/58 (2006.01) A01N 43/647 (2006.01) A01P 7/02 (2006.01) A01P 7/04 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **HETEROARYL PYRIMIDINE COMPOUND AND PEST CONTROL AGENT**
[54] **COMPOSE HETEROARYLPYRIMIDINE, ET AGENT DE LUTTE CONTRE LES ORGANISMES NUISIBLES**
[72] SAKANISHI, KEITA, JP
[72] AOYAMA, HIKARU, JP
[72] SAKIYAMA, NORIFUMI, JP
[72] IWASA, TAKAO, JP
[72] MATSUI, MAKI, JP
[72] USHIJIMA, DAISUKE, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2019-12-12
[86] 2018-06-22 (PCT/JP2018/023819)
[87] (WO2019/004082)
[30] JP (2017-124485) 2017-06-26
[30] JP (2018-083512) 2018-04-24

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[13] A1
[51] **Int.Cl. H01M 10/48 (2006.01) B25F 5/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY PACK AND ELECTRIC APPARATUS USING BATTERY PACK**
[54] **BLOC-BATTERIE ET APPAREIL ELECTRIQUE UTILISANT LE BLOC-BATTERIE**
[72] NAKANO, YASUSHI, JP
[72] YAMAGUCHI, SATOSHI, JP
[72] HANAWA, HIROYUKI, JP
[72] FUNABASHI, KAZUHIKO, JP
[72] NISHIKAWA, TOMOMASA, JP
[72] KANNO, SHOTA, JP
[72] MIZOGUCHI, TOSHIO, JP
[72] TERANISHI, TAKUYA, JP
[71] KOKI HOLDINGS CO., LTD., JP
[85] 2019-12-12
[86] 2018-05-30 (PCT/JP2018/020633)
[87] (WO2018/230337)
[30] JP (2017-118574) 2017-06-16
[30] JP (2017-118575) 2017-06-16

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[51] **Int.Cl. G01N 35/02 (2006.01) B81B 3/00 (2006.01)**
[25] EN
[54] **FLOW CELL WITH FLEXIBLE CONNECTION**
[54] **CUVE A CIRCULATION A RACCORD FLEXIBLE**
[72] DELATTRE, CYRIL, US
[72] RHEE, MINSOUNG, US
[72] LIU, JEFFREY, US
[72] COX-MURANAMI, WESLEY, US
[72] CRIVELLI, PAUL, US
[72] FOLEY, JENNIFER, US
[72] SEGALE, DARREN, US
[72] TAYLOR, JAY, US
[72] HAGE, MATTHEW, US
[72] PAIK, PHILIP, US
[72] ALLEGOREN, ERIK, US
[72] HERTZOG, DAVID, US
[72] MOROZ-SMIETANA, ALEX, US
[72] MA, XIAOXIAO, US
[72] TAKAHASHI, TSUKASA, US
[72] WESTERBERG, BRANDON, US
[71] ILLUMINA, INC., US
[85] 2019-12-11
[86] 2019-05-01 (PCT/US2019/030186)
[87] (WO2019/221913)
[30] US (62/671,481) 2018-05-15
[30] NL (2021147) 2018-06-18

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[51] **Int.Cl. B23K 35/02 (2006.01) B23K 9/12 (2006.01) B23K 9/173 (2006.01) B23K 35/30 (2006.01)**
[25] EN
[54] **ARC WELDING METHOD AND SOLID WIRE**
[54] **PROCEDE DE SOUDAGE A L'ARC ET FIL MASSIF**
[72] KINASHI, HIKARU, JP
[72] YOKOTA, YASUYUKI, JP
[72] SATO, KOJI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2019-12-12
[86] 2018-06-13 (PCT/JP2018/022643)
[87] (WO2018/230619)
[30] JP (2017-118766) 2017-06-16

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[13] A1
[51] **Int.Cl. H04B 7/0417 (2017.01) H04B 7/0452 (2017.01) H04B 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING AND RECEIVING SIGNAL IN WIRELESS LAN SYSTEM, AND APPARATUS THEREFOR**
[54] **PROCEDE DE TRANSMISSION ET DE RECEPTION DE SIGNAL DANS UN SYSTEME LAN SANS FIL, ET APPAREIL ASSOCIE**
[72] YUN, SUNWOONG, KR
[72] KIM, JINMIN, KR
[72] PARK, SUNGJIN, KR
[72] CHOI, JINSOO, KR
[71] LG ELECTRONICS INC., KR
[85] 2019-12-12
[86] 2019-04-02 (PCT/KR2019/003883)
[87] (WO2019/212152)
[30] KR (10-2018-0050513) 2018-05-02
[30] KR (10-2018-0051156) 2018-05-03

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[13] A1
[51] **Int.Cl. A63J 5/02 (2006.01)**
[25] EN
[54] **SPECIAL-EFFECTS FOGGER**
[54] **DISPOSITIF SERVANT A PRODUIRE UN EFFET BROUILLARD**
[72] TOMAZETICH, MARIO GERARD, AT
[71] TOMAZETICH, MARIO GERARD, AT
[85] 2019-12-12
[86] 2018-06-13 (PCT/AT2018/060122)
[87] (WO2018/227225)
[30] AT (A50501/2017) 2017-06-16

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[51] **Int.Cl. A61K 31/4709 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR ASPIRATION PNEUMONIA, LUNG SUPPURATION, OR LUNG ABSCESS**
[54] **AGENT THERAPEUTIQUE POUR LA PNEUMONIE D'ASPIRATION, LA SUPPURATION PULMONAIRE OU L'ABCES PULMONAIRE**
[72] ODAJIMA, MASAAKI, JP
[72] TANIOKA, SAYOKO, JP
[72] SUNOUCHI, TAKAAKI, JP
[72] TABUCHI, ASAKO, JP
[71] KYORIN PHARMACEUTICAL CO., LTD., JP
[85] 2019-12-12
[86] 2018-06-15 (PCT/JP2018/022846)
[87] (WO2018/230686)
[30] US (62/520,961) 2017-06-16
[30] JP (2018-068159) 2018-03-30

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[51] **Int.Cl. C08L 5/04 (2006.01) A23L 29/256 (2016.01) A61K 31/734 (2006.01) A61K 47/36 (2006.01) C08J 3/075 (2006.01)**
[25] FR
[54] **COMPOSITION THAT IS SELF-FOAMING IN AN ACID MEDIUM, AND METHOD FOR PREPARING SAME**
[54] **COMPOSITION AUTO-MOUSSANTE EN MILIEU ACIDE ET PROCEDE DE PREPARATION**
[72] SIMON, JEAN-MICHEL, FR
[72] ROGER, STEPHANE, FR
[71] JELLYNOV, FR
[85] 2019-12-12
[86] 2018-06-19 (PCT/FR2018/051462)
[87] (WO2018/234680)
[30] FR (1755695) 2017-06-22

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[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01) H04L 12/00 (2006.01)**
[25] EN
[54] **AN INTERACTIVE BROADCAST MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE DIFFUSION INTERACTIF**
[72] SZEREDI, GEZA, AU
[72] SELVAN RAJADURAI, GIFTSON SELLADURAI, AU
[71] LETS JOIN IN (HOLDINGS) PTY LTD, AU
[85] 2019-12-12
[86] 2017-11-13 (PCT/AU2017/051238)
[87] (WO2018/085896)
[30] AU (2016904612) 2016-11-11

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[13] A1
[51] **Int.Cl. B60B 21/04 (2006.01) B60B 21/10 (2006.01) B60B 25/04 (2006.01) B60C 15/02 (2006.01) B60B 21/02 (2006.01) B60B 25/10 (2006.01)**
[25] FR
[54] **WHEEL RIM WITH REDUCED-HEIGHT RIM FLANGE**
[54] **JANTE A CROCHET DE HAUTEUR REDUITE**
[72] WALSER, DANIEL, FR
[72] VEDY, BERTRAND, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] MAXION WHEELS U.S.A. LLC, US
[85] 2019-12-12
[86] 2018-06-29 (PCT/FR2018/051613)
[87] (WO2019/002794)
[30] FR (17/56187) 2017-06-30

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[13] A1
[51] **Int.Cl. C07C 69/30 (2006.01) A61K 9/127 (2006.01) A61K 31/713 (2006.01) A61K 47/18 (2017.01) C07D 211/32 (2006.01) C07D 295/03 (2006.01)**
[25] EN
[54] **LIPID MEMBRANE STRUCTURE FOR DELIVERY INTO SIRNA CELL**
[54] **STRUCTURE DE MEMBRANE LIPIDIQUE POUR ADMINISTRATION INTRACELLULAIRE D'ARNSI**
[72] HARASHIMA, HIDEYOSHI, JP
[72] SATO, YUSUKE, JP
[71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[85] 2019-12-12
[86] 2018-06-15 (PCT/JP2018/022940)
[87] (WO2018/230710)
[30] JP (2017-117708) 2017-06-15

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[13] A1
[51] **Int.Cl. A61K 31/7125 (2006.01) C12N 15/113 (2010.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING MULTIPLE SCLEROSIS USING ANTISENSE OLIGONUCLEOTIDES**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE EN PLAQUES A L'AIDE D'OLIGONUCLEOTIDES ANTISENS**
[72] TACHAS, GEORGE, AU
[71] ANTISENSE THERAPEUTICS LTD, AU
[85] 2019-12-12
[86] 2018-06-15 (PCT/AU2018/050598)
[87] (WO2018/227254)
[30] AU (2017902314) 2017-06-16

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **A SYSTEM FOR IN-STORE CONSUMER BEHAVIOUR EVENT METADATA AGGREGATION, DATA VERIFICATION AND THE ARTIFICIAL INTELLIGENCE ANALYSIS THEREOF FOR DATA INTERPRETATION AND ASSOCIATED ACTION TRIGGERING**
[54] **SYSTEME PERMETTANT L'AGREGATION DE METADONNEES D'EVENEMENT DE COMPORTEMENT DE CONSOMMATEUR DANS UN MAGASIN, LA VERIFICATION DE DONNEES ET L'ANALYSE D'INTELLIGENCE ARTIFICIELLE CORRESPONDANTES POUR L'INTERPRETATION DE DONNEES ET LE DECLENCHEMENT D'ACTION ASSOCIE**
[72] AVLANI, DIPESH, AU
[72] TAHENY, SEAN, AU
[72] GUINEY, KARL, AU
[71] AVLANI, DIPESH, AU
[71] TAHENY, SEAN, AU
[71] GUINEY, KARL, AU
[85] 2019-12-12
[86] 2018-06-22 (PCT/AU2018/050622)
[87] (WO2018/232463)
[30] AU (2017902404) 2017-06-22

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[51] **Int.Cl. H04R 17/00 (2006.01) H01L 41/053 (2006.01)**
[25] EN
[54] **COST-EFFECTIVE HIGH-BENDING-STIFFNESS CONNECTOR AND PIEZOELECTRIC ACTUATOR MADE OF SUCH**
[54] **CONNECTEUR ECONOMIQUE A RIGIDITE A LA FLEXION ELEVEE ET ACTIONNEUR PIEZOELECTRIQUE FABRIQUE A PARTIR D'UN TEL CONNECTEUR**
[72] LIM, LEONG CHEW, SG
[72] HUANG, YU, SG
[72] XIA, YUEXUE, SG
[72] LIN, DIAN-HUA, SG
[71] MICROFINE MATERIALS TECHNOLOGIES PTE LTD, SG
[85] 2019-12-12
[86] 2017-06-12 (PCT/SG2017/050297)
[87] (WO2018/231144)

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[13] A1
[51] **Int.Cl. H01T 19/00 (2006.01) H01J 37/32 (2006.01)**
[25] EN
[54] **SURFACE TREATER WITH EXPANSION ELECTRODE ARRANGEMENT**
[54] **DISPOSITIF DE TRAITEMENT DE SURFACE AVEC AGENCEMENT D'ELECTRODE D'EXPANSION**
[72] HAMMEN, RICHARD R., US
[72] HANSON, JACOB W., US
[71] ENERCON INDUSTRIES CORPORATION, US
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[25] EN
[54] **MULTILAYER FILM, LAMINATE, AIRBAG, AND METHOD OF MANUFACTURING LAMINATE**
[54] **FILM MULTICOUCHE, STRATIFIE, COUSSIN DE SECURITE GONFLABLE ET PROCEDE DE FABRICATION DE STRATIFIE**
[72] YAMADA, YOSUKE, JP
[72] TAGAMI, TORU, JP
[72] LUDWIG, MICHAEL, DE
[71] NITTO DENKO CORPORATION, JP
[71] NITTO SWITZERLAND AG, CH
[85] 2019-12-12
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[54] **A NOTCH FILTER IN A VIBRATORY FLOW METER**
[54] **FILTRE ELIMINATEUR DE BANDE DANS UN DEBITMETRE VIBRATOIRE**
[72] RENSING, MATTHEW JOSEPH, US
[72] CUNNINGHAM, TIMOTHY J., US
[71] MICRO MOTION, INC., US
[85] 2019-12-12
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[54] **METHODS AND SYSTEMS FOR PROTECTING COMPUTER NETWORKS BY MASKING PORTS**
[54] **PROCEDES ET SYSTEMES DE PROTECTION DE RESEAUX INFORMATIQUES PAR DES PORTS DE MASQUAGE**
[72] TRAMA, FRANCESCO, US
[71] PACKETVIPER, LLC, US
[85] 2019-12-12
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[25] EN
[54] **MULTILAYER FILM, LAMINATE, AIRBAG, AND METHOD OF MANUFACTURING LAMINATE**
[54] **FILM MULTICOUCHE, STRATIFIE, COUSSIN GONFLABLE ET PROCEDE DE PRODUCTION DE STRATIFIE**
[72] YAMADA, YOSUKE, JP
[72] TAGAMI, TORU, JP
[72] LUDWIG, MICHAEL, DE
[71] NITTO DENKO CORPORATION, JP
[71] NITTO SWITZERLAND AG, CH
[85] 2019-12-12
[86] 2018-06-15 (PCT/JP2018/022994)
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[25] EN
[54] **METHOD OF MANUFACTURING LAMINATE, LAMINATE, AND AIRBAG**
[54] **PROCEDE DE PRODUCTION DE STRATIFIE, STRATIFIE ET COUSSIN GONFLABLE**
[72] YAMADA, YOSUKE, JP
[72] TAGAMI, TORU, JP
[72] LUDWIG, MICHAEL, DE
[71] NITTO DENKO CORPORATION, JP
[71] NITTO SWITZERLAND AG, CH
[85] 2019-12-12
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[54] **LAMINATE AND AIRBAG**
[54] **STRATIFIE ET COUSSIN GONFLABLE**
[72] YAMADA, YOSUKE, JP
[72] TAGAMI, TORU, JP
[72] LUDWIG, MICHAEL, DE
[71] NITTO DENKO CORPORATION, JP
[71] NITTO SWITZERLAND AG, CH
[85] 2019-12-12
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[54] **FILTER CARTRIDGE ASSEMBLIES**
[54] **ENSEMBLES DE CARTOUCHE DE FILTRE**
[72] KANE, MICHAEL, J., US
[72] AUGELLI, MICHAEL, J., US
[72] SILVER, MIKIYA, US
[71] CONMED CORPORATION, US
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[54] **CONFIGURATION OF FAULT DETECTION AND DIAGNOSTIC RULES IN A BUILDING AUTOMATION SYSTEM**
[54] **CONFIGURATION DE REGLES DE DETECTION ET DE DIAGNOSTIC DE DEFAILLANCE DANS UN SYSTEME D'AUTOMATISATION DE BATIMENT**
[72] MARESCO, JAMES, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2019-12-12
[86] 2018-06-01 (PCT/US2018/035539)
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[51] **Int.Cl. G05B 15/02 (2006.01)**
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[54] **DISCOVERY AND IDENTIFICATION OF EQUIPMENT AND OPERATIONAL DATA IN A BUILDING AUTOMATION SYSTEM**
[54] **DECOUVERTE ET IDENTIFICATION DE DONNEES OPERATIONNELLES ET D'EQUIPEMENTS DANS UN SYSTEME D'AUTOMATISATION DE BATIMENT**
[72] MARESCO, JAMES, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2019-12-12
[86] 2018-06-01 (PCT/US2018/035544)
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[54] **PDE5 COMPOSITIONS AND METHODS FOR IMMUNOTHERAPY**
[54] **COMPOSITIONS DE PDE5 ET METHODES D'IMMUNOTHERAPIE**
[72] SURI, VIPIN, US
[72] DELABARRE, BYRON, US
[72] GLADSTONE, MICHAEL N., US
[72] RICHARDSON, CELESTE, US
[72] DOLINSKI, BRIAN, US
[72] KULKARNI, ABHISHEK, US
[72] INNISS, MARA CHRISTINE, US
[72] SUN, DEXUE, US
[72] LI, DAN JUN, US
[72] OLINGER, GRACE Y., US
[72] HELLER, SCOTT FRANCIS, US
[71] OBSIDIAN THERAPEUTICS, INC., US
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[54] **THERMORESPONSIVE POLYMERS AND USES THEREOF**
[54] **POLYMERES THERMOSENSIBLES ET LEURS UTILISATIONS**
[72] BARTYNSKI, ANDREW, US
[72] BAYAT, NIKI, US
[71] AESCULATECH, INC., US
[85] 2019-12-12
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[54] **METHODS FOR MAKING CYCLOHEXENE OXIDE-CONTAINING ESTERS**
[54] **PROCEDES DE FABRICATION D'ESTERS CONTENANT DE L'OXYDE DE CYCLOHEXENE**
[72] KAZEMIZADEH, MOHAMMAD R., US
[72] MAIXNER, DAVID E., US
[71] ARKEMA, INC., US
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[30] US (62/518,685) 2017-06-13

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[54] **SURFACE CLEANING DEVICE WITH COMPACT STORAGE CONFIGURATION**
[54] **DISPOSITIF DE NETTOYAGE DE SURFACE A CONFIGURATION DE STOCKAGE COMPACTE**
[72] BROWN, ANDRE D., US
[72] INNES, DANIEL J., US
[71] SHARKNINJA OPERATING LLC, US
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[54] **DRAINAGE DEVICE AND METHODS FOR CONSTRUCTING AND USE**
[54] **DISPOSITIF DE DRAINAGE ET PROCEDES DE CONSTRUCTION ET D'UTILISATION**
[72] LOCKE, BLAKE, US
[72] WALLACE, TIM, US
[72] SIMON, TOM, US
[72] GUNTER, CHARLES, US
[71] ABT, INC., US
[85] 2019-12-12
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[54] **TEMPERATURE-BASED CONTROL OF REAGENT DISTRIBUTION**
[54] **COMMANDE BASEE SUR LA TEMPERATURE DE DISTRIBUTION DE REACTIF**
[72] EVERLY, MARK DENIS, US
[72] FREE, PAUL DOUGLAS, US
[72] DIESTELMEIER, JEFFREY, US
[72] SELVY, ANDREW D., US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
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[54] **NOVEL HOLLOW LIGHT WEIGHT LENS STRUCTURE**
[54] **NOUVELLE STRUCTURE DE LENTILLE LEGERE CREUSE**
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[72] LIANG, MIN, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
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[54] **METHOD FOR INCREASING OIL YIELD DURING ETHANOL PRODUCTION**
[54] **PROCEDE POUR ACCROITRE LE RENDEMENT D'HUILE LORS DE LA PRODUCTION D'ETHANOL**
[72] HOSKINS, BRIAN, US
[72] NEWTON, ANTHONY V., US
[72] HAN, YUN, US
[72] BORST, JOSEPH P., US
[71] BASF ENZYMES LLC, US
[85] 2019-12-12
[86] 2018-06-14 (PCT/US2018/037614)
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[51] **Int.Cl. C07J 41/00 (2006.01) C07J 43/00 (2006.01)**
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[54] **METHODS AND INTERMEDIATES FOR THE PREPARATION OF BILE ACID DERIVATIVES**
[54] **PROCEDES ET INTERMEDIAIRES POUR LA PREPARATION DE DERIVES DE L'ACIDE BILIAIRE**
[72] PELLICCIARI, ROBERTO, IT
[72] GIOIELLO, ANTIMO, IT
[72] GAVIN, GABRIEL, US
[72] LEWIS, RONALD D., US
[72] YANIK, MATTHEW, US
[72] KIM, MYOUNG GOO, US
[72] LEUSINK, FRED RONALD, NL
[72] KONING, BARTJAN, NL
[72] HENSEL, THOMAS, NL
[71] INTERCEPT PHARMACEUTICALS, INC., US
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[54] **SYSTEMS AND METHODS FOR FACILITATING PARCEL PICKUP**
[54] **SYSTEMES ET PROCEDES VISANT A FACILITER LA RECUPERATION DE COLIS**
[72] BONNER, BRETT BRACEWELL, US
[72] HJELM, CHRISTOPHER TODD, US
[71] SUNRISE R&D HOLDINGS, LLC, US
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[54] **COLORIMETRIC SENSORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CAPTEURS COLORIMETRIQUES ET LEURS PROCEDES DE FABRICATION**
[72] HU, MIN, US
[71] DRINKSAVVY, INC., US
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[86] 2018-06-13 (PCT/US2018/037304)
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[54] **INTELLIGENT WHITEBOARD COLLABORATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES INTELLIGENTS DE COLLABORATION DE TABLEAU BLANC**
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[72] ERIKSEN, STEIN OVE, NO
[72] KORNELIUSSEN, JAN TORE, NO
[72] SHAW, EAMONN, NO
[71] HUDDLY INC., US
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[54] **DETECTION OF LEUKOCYTE-DERIVED MICROVESICLES BY FLUO-SENSITIVE FLOW CYTOMETRY**
[54] **DETECTION DE MICROVESICULES DERIVEES DE LEUCOCYTES PAR CYTOMETRIE EN FLUX SENSIBLE A LA FLUORESCENCE**
[72] LACROIX, ROMARIC, US
[72] ROBERT, STEPHANE, US
[72] DIGNAT GEORGE, FRANCOISE, US
[72] GAUTHEROT, EMMANUEL, US
[71] BECKMAN COULTER, INC., US
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[86] 2018-06-13 (PCT/US2018/037374)
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[54] **SUPPORTS LIPIDIQUES NANOSTRUCTURES ET EMULSIONS STABLES ET LEURS UTILISATIONS**
[72] FOX, CHRISTOPHER B., US
[72] KHANDHAR, AMIT PRAFUL, US
[72] VAN HOEVEN, NEAL, US
[72] ERASMUS, JESSE H., US
[72] LIN, SUSAN S., US
[71] INFECTIOUS DISEASE RESEARCH INSTITUTE, US
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[30] US (62/563,544) 2017-09-26
[30] US (62/582,859) 2017-11-07
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[54] **SYSTEM AND METHOD FOR SAFETY SYRINGE**
[54] **SYSTEME ET PROCEDE POUR SERINGUE DE SECURITE**
[72] DIAZ, STEPHEN H., US
[72] SHLUZAS, ALAN E., US
[71] CREDENCE MEDSYSTEMS, INC., US
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[54] **MATERIAUX ET METHODES DESTINES A AUGMENTER LES REPONSES IMMUNITAIRES**
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[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[54] **SUBSTANCES CATALYTIQUEMENT ACTIVES**
[72] KRAFT, LEWIS J., US
[71] ILLUMINA, INC., US
[85] 2019-12-12
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[54] **METHOD AND SYSTEM FOR FORMING PACKAGES**
[54] **PROCEDE ET SYSTEME DE FORMATION D'EMBALLAGES**
[72] WALSH, JOSEPH C., US
[72] CONATSER, ROBERT LEE, US
[72] LUPFER, NICHOLAS P., US
[72] COX, WILLIAM ALLEN, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
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[30] US (62/542,863) 2017-08-09

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[54] **METHODS AND SYSTEMS FOR DETERMINING SOMATIC MUTATION CLONALITY**
[54] **PROCEDES ET SYSTEMES DE DETERMINATION DE CLONALITE PAR MUTATION SOMATIQUE**
[72] ONUCHIC, VITOR FERREIRA, US
[72] KRUGLYAK, KRISTINA M., US
[71] ILLUMINA, INC., US
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[54] **CARACTERISTIQUES D'ACCORD ET D'ETALONNAGE D'UN SYSTEME DE DETECTION DE SEQUENCE**
[72] MANDELL, JEFFREY G., US
[72] GUNDERSON, KEVIN L., US
[72] KEEHAN, MICHAEL GREGORY, US
[72] GARCIA, ERIN CHRISTINE, US
[71] ILLUMINA, INC., US
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[54] **PEPTIDE IMMUNOGENS FROM THE C-TERMINAL END OF ALPHA-SYNUCLEIN PROTEIN AND FORMULATIONS THEREOF FOR TREATMENT OF SYNUCLEINOPATHIES**
[54] **IMMUNOGENES PEPTIDIQUES PROVENANT DE L'EXTREMITE C-TERMINALE D'UNE PROTEINE, L'ALPHA-SYNUCLEINE, ET COMPOSITIONS EN CONTENANT POUR LE TRAITEMENT DES SYNUCLEINOPATHIES**
[72] WANG, CHANG YI, US
[71] UNITED NEUROSCIENCE, KY
[85] 2019-12-12
[86] 2018-06-15 (PCT/US2018/037938)
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[30] US (62/521,287) 2017-06-16

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[25] EN
[54] **PREPARING STABLE LIQUID EMULSION FORMS OF PLANT EXTRACT**
[54] **PREPARATION DE FORMES D'EMULSION LIQUIDES STABLES D'EXTRAIT VEGETAL**
[72] RIEFLER, RODGER SCOTT, US
[72] AYALA, JUAN JORGE, US
[72] LEE, HOWARD M., US
[71] SORSE TECHNOLOGY CORPORATION, US
[85] 2019-12-12
[86] 2018-06-15 (PCT/US2018/037928)
[87] (WO2018/232362)
[30] US (62/520,720) 2017-06-16
[30] US (16/010,082) 2018-06-15

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[25] EN
[54] **AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS**
[54] **SYSTEMES AUTOMATISES POUR PRELEVER DES ECHANTILLONS DE TISSU DE GRAINES, ET PROCEDES ASSOCIES**
[72] BROWN, WAYNE, US
[72] DAYAWON, MICHAEL JOSEPH, US
[72] FINLEY, DAVID W., US
[72] FISCHER, WILLIAM MICHAEL, US
[72] IM, YANG JU, US
[72] JENSEN, JOHN MICHAEL, US
[72] KOHNE, JEFFREY LAWRENCE, US
[72] WEIS, MATTHEW J., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-12-12
[86] 2018-06-19 (PCT/US2018/038294)
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[25] EN
[54] **A SYNERGISTIC AGRICULTURAL FORMULA COMPRISING DIACYL OR DIARYL UREA AND AT LEAST ONE PLANT GROWTH REGULATOR**
[54] **FORMULE AGRICOLE SYNERGIQUE COMPRENANT UNE DIACYL OU DIARYL-UREE ET AU MOINS UN REGULATEUR DE CROISSANCE DE PLANTE**
[72] SHETH, RITESH, US
[72] STOLLER, JERRY (DECEASED), US
[72] SHORTELL, ROBERT R., US
[71] STOLLER ENTERPRISES, INC., US
[85] 2019-12-12
[86] 2018-07-02 (PCT/US2018/040543)
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[30] US (62/529,044) 2017-07-06

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[54] **COMPUTER AIDED SYSTEMS AND METHODS FOR CREATING CUSTOM PRODUCTS**
[54] **SYSTEMES ASSISTES PAR ORDINATEUR ET PROCEDES DE CREATION DE PRODUITS PERSONNALISES**
[72] BOWEN, MICHAEL, US
[71] BEST APPS, LLC, US
[85] 2019-12-12
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[25] EN
[54] **PRESSURE-BALANCED RELIEF VALVE**
[54] **SOUPAPE DE DETENTE A PRESSION EQUILIBREE**
[72] GIROUARD, ERICK, CA
[72] AHMADZADEGAN, AMIR, CA
[71] EMCARA GAS DEVELOPMENT INC., CA
[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050709)
[87] (WO2018/227288)
[30] US (62/518,663) 2017-06-13

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[25] EN
[54] **ACTIVE AGENT DELIVERY DEVICES AND METHODS FOR USING THE SAME**
[54] **DISPOSITIFS D'ADMINISTRATION DE PRINCIPE ACTIF ET LEURS PROCEDES D'UTILISATION**
[72] CHALBERG, THOMAS W., JR., US
[72] KAHATT, ESPIR GABRIEL, US
[72] WILLIAMS, MICHAEL EDWARD, US
[71] IRENIX MEDICAL, INC., US
[85] 2019-12-12
[86] 2018-06-12 (PCT/US2018/037157)
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[30] US (62/519,091) 2017-06-13
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[25] EN
[54] **T-CELL ANTIGEN TARGETED CHIMERIC ANTIGEN RECEPTOR (CAR) AND USES IN CELL THERAPIES**
[54] **RECEPTEUR D'ANTIGENE CHIMERIQUE (CAR) CIBLANT L'ANTIGENE DE LYMPHOCYTE T ET UTILISATIONS DANS DES THERAPIES CELLULAIRES**
[72] SPENCER, H. TRENT, US
[72] DOERING, CHRISTOPHER, US
[72] RAIKAR, SUNIL, US
[72] FLEISCHER, LAUREN, US
[71] EMORY UNIVERSITY, US
[71] CHILDREN'S HEALTHCARE OF ATLANTA, INC., US
[85] 2019-12-12
[86] 2018-06-12 (PCT/US2018/037160)
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[25] EN
[54] **FIELD EFFECT SENSORS**
[54] **CAPTEURS A EFFET DE CHAMP**
[72] BOYANOV, BOYAN, US
[71] ILLUMINA, INC., US
[85] 2019-12-12
[86] 2018-06-29 (PCT/US2018/040439)
[87] (WO2019/027604)
[30] US (62/539,813) 2017-08-01

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[51] **Int.Cl. G01R 33/035 (2006.01) G01R 33/12 (2006.01)**
[25] EN
[54] **GRADIOMETRIC FLUX QUBIT SYSTEM**
[54] **SYSTEME DE QUBIT DE FLUX GRADIOMETRIQUE**
[72] PRZYBYSZ, ANTHONY JOSEPH, US
[72] FERGUSON, DAVID GEORGE, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-12-12
[86] 2018-07-02 (PCT/US2018/040611)
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[30] US (15/645,736) 2017-07-10

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[25] EN
[54] **POLYPEPTIDES THAT BIND COMPLEMENT COMPONENT C5 OR SERUM ALBUMIN AND FUSION PROTEINS THEREOF**
[54] **POLYPEPTIDES SE LIANT AU COMPOSANT C5 DU COMPLEMENT OU A L'ALBUMINE SERIQUE ET PROTEINES DE FUSION DE CEUX-CI**
[72] PUFFER, BRIDGET, US
[72] CHANDLER, JULIAN, US
[72] GERA, NIMISH, US
[72] SHERIDAN, DOUGLAS L., US
[72] JINDAL, SIDDHARTH, US
[72] TAMBURINI, PAUL P., US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2019-12-12
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[25] EN
[54] **TREATMENT OF MOSAIC VIRUSES AND BACTERIAL INFECTIONS OF PLANTS**
[54] **TRAITEMENT DU VIRUS DE LA MOSAIQUE ET DES INFECTIONS BACTERIENNES CHEZ LES PLANTES**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[72] MOLDAKOZHAYEV, ALIBEK, US
[71] LOCUS AGRICULTURE IP COMPANY, LLC, US
[85] 2019-12-12
[86] 2018-09-25 (PCT/US2018/052519)
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[30] US (62/564,517) 2017-09-28

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[54] **DETECTOR WITH REDUCED FLUORESCENCE RANGE NOISE**
[54] **DETECTEUR A BRUIT DE PLAGE DE FLUORESCENCE REDUIT**
[72] FUNG, TRACY H., US
[72] SABOUNCHI, POORYA, US
[72] HIRSCHBEIN, BERNARD, US
[72] PINTO, JOSEPH, US
[72] KHURANA, TARUN, US
[72] SMITH, RANDALL, US
[72] FENG, WENYI, US
[71] ILLUMINA, INC., US
[85] 2019-12-12
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[30] US (62/611,464) 2017-12-28
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[54] **REAL TIME CONTROLLER SWITCHING**
[54] **COMMUTATION DE CONTROLEUR EN TEMPS REEL**
[72] ZHOU, CHUNHONG (ALLEN), US
[72] BAILEY, JOHN, US
[72] BLAIR, DUSTIN, US
[71] ILLUMINA, INC., US
[85] 2019-12-12
[86] 2019-01-10 (PCT/US2019/013098)
[87] (WO2019/140122)
[30] US (62/617,062) 2018-01-12
[30] NL (N2020618) 2018-03-20

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[51] **Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/6806 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR SELECTIVE CLEAVAGE OF NUCLEIC ACIDS WITH RECOMBINANT NUCLEASES**
[54] **PROCEDES ET COMPOSITIONS POUR CLIVAGE SELECTIF D'ACIDES NUCLEIQUES AVEC DES NUCLEASES DE RECOMBINAISON**
[72] WANG, CLIFFORD LEE, US
[71] ILLUMINA, INC., US
[85] 2019-12-12
[86] 2019-03-15 (PCT/US2019/022459)
[87] (WO2019/182891)
[30] US (62/644,697) 2018-03-19

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[51] **Int.Cl. A61B 17/26 (2006.01)**
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[54] **TONSILLECTOMY SUCTION DISSECTOR APPARATUS**
[54] **APPAREIL DISSECTEUR D'ASPIRATION D'AMYGDALECTOMIE**
[72] RIDHA, HAYDER, AU
[71] RIDHA, HAYDER, AU
[85] 2019-12-13
[86] 2018-05-22 (PCT/AU2018/050487)
[87] (WO2019/018877)
[30] AU (2017902866) 2017-07-22

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[51] **Int.Cl. E02D 5/56 (2006.01) E02D 7/22 (2006.01)**
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[54] **A PILE**
[54] **PIEU**
[72] WILLIAMSON, JUSTIN, AU
[71] PATENTED FOUNDATIONS PTY LTD, AU
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[86] 2018-09-06 (PCT/AU2018/050964)
[87] (WO2019/051537)
[30] AU (2017903696) 2017-09-12

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[51] **Int.Cl. B29B 7/00 (2006.01) B29B 7/48 (2006.01) B29B 7/60 (2006.01) B29B 7/84 (2006.01) C09J 201/10 (2006.01)**
[25] FR
[54] **PRODUCTION OF AN ADHESIVE COMPOSITION IN AN EXTRUDER**
[54] **PREPARATION D'UNE COMPOSITION ADHESIVE DANS UNE EXTRUDEUSE**
[72] GRISOT-SAULE, MYRIAM, FR
[72] QUINEBECHE, SEBASTIEN, FR
[71] BOSTIK SA, FR
[85] 2019-12-13
[86] 2018-07-02 (PCT/FR2018/051633)
[87] (WO2019/008258)
[30] FR (1756297) 2017-07-04

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[51] **Int.Cl. B60C 1/00 (2006.01) B60C 11/00 (2006.01)**
[25] FR
[54] **TYRE HAVING IMPROVED WEAR AND ROLLING RESISTANCE PROPERTIES**
[54] **PNEUMATIQUE PRESENTANT DES PROPRIETES D'USURE ET DE RESISTANCE AU ROULEMENT AMELIOREES**
[72] THOMASSON, DAMIEN, FR
[72] GAYTON, CHRISTOPHE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-12-13
[86] 2018-07-16 (PCT/FR2018/051800)
[87] (WO2019/016460)
[30] FR (17/56980) 2017-07-21

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[51] **Int.Cl. H01M 6/32 (2006.01) H01M 8/04302 (2016.01) E21B 41/00 (2006.01)**
[25] EN
[54] **DOWNHOLE POWER SOURCE**
[54] **SOURCE D'ENERGIE DE FOND**
[72] HUNTER, JOHN, GB
[72] WILSON, ANTHONY, GB
[72] THORPE, MATTHEW RAMSEY, GB
[72] ROSIE, JOYCE ANN, GB
[71] SWELLFIX UK LIMITED, GB
[85] 2019-12-13
[86] 2018-06-14 (PCT/GB2018/051644)
[87] (WO2018/229496)
[30] GB (1709629.8) 2017-06-16

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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/498 (2006.01) A61P 35/00 (2006.01) C07D 239/80 (2006.01) C07D 285/16 (2006.01) C07D 401/06 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/06 (2006.01) C07D 413/12 (2006.01) C07D 417/06 (2006.01) C07D 471/04 (2006.01) C07F 9/08 (2006.01)**
[25] EN
[54] **SMALL MOLECULE MODULATORS OF HUMAN STING**
[54] **MODULATEURS A PETITES MOLECULES DE STING HUMAIN**
[72] BANERJEE, MONALI, IN
[72] MIDDYA, SANDIP, IN
[72] BASU, SOURAV, IN
[72] GHOSH, RAJIB, IN
[72] PRYDE, DAVID, GB
[72] YADAV, DHARMENDRA, IN
[72] SHRIVASTAVA, RITESH, IN
[72] SURYA, ARJUN, IN
[71] CURADEV PHARMA LIMITED, GB
[85] 2019-12-13
[86] 2018-06-21 (PCT/GB2018/051730)
[87] (WO2018/234808)
[30] GB (1709959.9) 2017-06-22
[30] IN (201711021858) 2017-06-22
[30] IN (201811014462) 2018-04-16

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[51] **Int.Cl. A63B 29/02 (2006.01) A62B 35/00 (2006.01) F16B 45/02 (2006.01)**
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[54] **SAFETY CARABINER TO BE PLACED ON A ROPE**
[54] **MOUSQUETON DE SECURITE DESTINE A ETRE ATTACHE A UN ELEMENT CORDE**
[72] WINKLER, STEFAN, AT
[71] WINKLER, STEFAN, AT
[85] 2019-12-13
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[87] (WO2018/107194)
[30] AT (A 51136/2016) 2016-12-14

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[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR MONITORING GAMING TABLES**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE SURVEILLANCE DE TABLES DE JEU**
[72] BULZACKI, ADRIAN, CA
[72] CAZAN, VLAD, CA
[71] ARB LABS INC., CA
[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050715)
[87] (WO2018/227294)
[30] US (62/519,637) 2017-06-14

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[51] **Int.Cl. H01B 3/12 (2006.01)**
[25] EN
[54] **VACUUM COMPATIBLE ELECTRICAL INSULATOR**
[54] **ISOLANT ELECTRIQUE COMPATIBLE AVEC LE VIDE**
[72] EPP, BERNARD KELLY, CA
[72] LABERGE, MICHEL GEORGES, CA
[71] GENERAL FUSION INC., CA
[85] 2019-12-13
[86] 2018-05-22 (PCT/CA2018/050595)
[87] (WO2018/232495)
[30] US (62/522,268) 2017-06-20

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[51] **Int.Cl. A61B 17/29 (2006.01) A61B 17/28 (2006.01) A61B 17/50 (2006.01)**
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[54] **SURGICAL RETRACTOR TOOL**
[54] **OUTIL ECARTEUR CHIRURGICAL**
[72] STORLI, PER EVEN, NO
[72] REKSTAD, LARS CATO, NO
[72] YSTGAARD, BRYNJULF, NO
[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NO
[85] 2019-12-13
[86] 2018-06-08 (PCT/EP2018/065240)
[87] (WO2018/228954)
[30] GB (1709595.1) 2017-06-16

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[13] A1
[51] **Int.Cl. B65D 90/34 (2006.01)**
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[54] **CROSS-ACTIVATED PRESSURE RELIEF APPARATUS**
[54] **APPAREIL DE DETENTE DE PRESSION A ACTIVATION CROISEE**
[72] GIROUARD, ERICK, CA
[72] AHMADZADEGAN, AMIR, CA
[71] EMCARA GAS DEVELOPMENT INC., CA
[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050708)
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[30] US (62/518,670) 2017-06-13

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[54] **ANTIVIRAL DRUGS**
[54] **MEDICAMENTS ANTIVIRAUX**
[72] STEWART, CAMERON, AU
[72] BEAN, ANDREW, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2019-12-13
[86] 2017-08-11 (PCT/AU2017/050854)
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[30] AU (2017902236) 2017-06-13

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[51] **Int.Cl. E01C 19/22 (2006.01) E04F 21/24 (2006.01) E04G 21/10 (2006.01)**
[25] EN
[54] **HYBRID DRIVE TRAIN FOR SELF PROPELLED POWER TROWEL**
[54] **TRANSMISSION HYBRIDE POUR TALOCHEUSE-LISSEUSE AUTOPROPULSEE**
[72] DEL REAL, ERICK M., US
[72] CHAPPLE, LARRY JAKE, US
[72] BATEMAN, NATHANIEL CODY, US
[72] DAVIS, JEFFREY KEVIN, US
[71] MULTIQUIP, INC., US
[85] 2019-12-12
[86] 2018-06-12 (PCT/US2018/037173)
[87] (WO2018/231881)
[30] US (62/518,559) 2017-06-12
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[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRICAL MUSCLE STIMULATION**
[54] **SYSTEMES ET PROCEDES POUR STIMULATION ELECTRIQUE DES MUSCLES**
[72] BURTON, JEFFREY, CA
[72] JOMEHRI, AMIR, CA
[72] YAO, CHENGKAI, CA
[71] ELEWAY INDUSTRIES INC., CA
[85] 2019-12-13
[86] 2017-06-15 (PCT/CA2017/050735)
[87] (WO2017/214731)
[30] US (62/350,367) 2016-06-15
[30] US (62/414,651) 2016-10-28

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[51] **Int.Cl. F16K 17/36 (2006.01) F16K 3/26 (2006.01) F16K 17/38 (2006.01) F16K 24/00 (2006.01) F16K 31/56 (2006.01) F16K 31/70 (2006.01) F16K 31/72 (2006.01) F17C 13/04 (2006.01)**
[25] EN
[54] **RELEASE VALVE WITH FAIL-SAFE**
[54] **SOUPAPE DE LIBERATION A SECURITE INTEGREE**
[72] AHMADZADEGAN, AMIR, CA
[72] GIROUARD, ERICK, CA
[71] EMCARA GAS DEVELOPMENT INC., CA
[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050710)
[87] (WO2018/227289)
[30] US (62/518,672) 2017-06-13

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[51] **Int.Cl. H04W 52/14 (2009.01) H04W 52/24 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF POWER CONTROL FOR UPLINK TRANSMISSION**
[54] **PROCEDES ET SYSTEMES DE REGULATION DE PUISSANCE POUR DES TRANSMISSIONS DE LIAISON MONTANTE**
[72] GONG, ZHENGWEI, CA
[72] MAAREF, AMINE, CA
[72] AU, KELVIN KAR KIN, CA
[72] XIAO, WEIMIN, US
[72] BALIGH, MOHAMMADHADI, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-13
[86] 2018-06-13 (PCT/CN2018/091087)
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[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 31/4375 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] LI, LIXIN, CN
[71] BIRDIE BIOPHARMACEUTICALS, INC., KY
[85] 2019-12-13
[86] 2017-06-23 (PCT/CN2017/089718)
[87] (WO2018/232725)

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[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) C08G 63/08 (2006.01) C08G 65/28 (2006.01)**
[25] EN
[54] **POLYMERIC PASTE COMPOSITIONS FOR DRUG DELIVERY**
[54] **COMPOSITIONS DE PATE POLYMERE POUR ADMINISTRATION DE MEDICAMENT**
[72] JACKSON, JOHN K., CA
[72] GLEAVE, MARTIN E., CA
[72] SCHMITT, VERONIKA, CA
[72] KESCH, CLAUDIA, DE
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050714)
[87] (WO2018/227293)
[30] US (62/518,800) 2017-06-13

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[51] **Int.Cl. H04W 72/02 (2009.01) H04W 16/10 (2009.01)**
[25] EN
[54] **METHOD FOR DATA TRANSMISSION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL, ET DISPOSITIF COTE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-13
[86] 2017-07-24 (PCT/CN2017/094174)
[87] (WO2019/018991)

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) G01N 23/2055 (2018.01) A61K 31/5025 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF PONATINIB HYDROCHLORIDE**
[54] **FORMES CRISTALLINES DU CHLORHYDRATE DE PONATINIB**
[72] SOUZA, FABIO E. S., CA
[72] KHALILI, BAHAREH, CA
[72] RANTANEN, KATHERINE A., CA
[72] GERSTER, JENNY L., CA
[72] BHATTACHARYYA, ANNYT, CA
[72] GORIN, BORIS, CA
[72] REY, ALLAN W., CA
[71] APOTEX INC., CA
[85] 2019-12-13
[86] 2018-06-15 (PCT/CA2018/050728)
[87] (WO2018/232501)
[30] US (62/522,156) 2017-06-20

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[13] A1
[51] **Int.Cl. B65D 1/02 (2006.01)**
[25] EN
[54] **CONTAINER HAVING A BOTTOM BASE PROVIDED WITH NOTCHES**
[54] **RECIPIENT AYANT UNE BASE INFERIEURE COMPORTANT DES ENCOCHES**
[72] FONSECA, SERGIO FABIAN, AR
[72] MARCHESINI, ARMANDO GUIDO, AR
[72] MEDRANO, GUSTAVO, AR
[72] POLONI, PASCUAL CASIMIRO, AR
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2019-12-13
[86] 2018-06-11 (PCT/EP2018/065263)
[87] (WO2018/228962)
[30] EP (17176461.6) 2017-06-16

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[13] A1
[51] **Int.Cl. H04B 7/0456 (2017.01)**
[25] EN
[54] **CHANNEL STATE INFORMATION SENDING METHOD, CHANNEL STATE INFORMATION RECEIVING METHOD, AND DEVICE**
[54] **PROCEDE ET DISPOSITIF POUR ENVOYER OU RECEVOIR DES INFORMATIONS D'ETAT DE CANAL**
[72] ZHANG, RUIQI, CN
[72] LI, XUERU, CN
[72] ZHANG, DI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-13
[86] 2018-04-20 (PCT/CN2018/083967)
[87] (WO2018/228053)
[30] CN (201710459616.9) 2017-06-16

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[13] A1
[51] **Int.Cl. H04W 4/08 (2009.01) H04W 56/00 (2009.01) H04W 74/04 (2009.01) H04W 4/90 (2018.01) G08G 1/127 (2006.01)**
[25] EN
[54] **METHOD OF MANAGING SINGLE-HOP AND MULTI-HOP BROADCAST IN VEHICULAR COMMUNICATION NETWORKS AND DEVICE THEREFOR**
[54] **PROCEDE DE GESTION DE LA DIFFUSION A UN SEUL BOND ET A SAUTS MULTIPLES DANS DES RESEAUX DE COMMUNICATION DE VEHICULE ET DISPOSITIF ASSOCIE**
[72] ZHUANG, WEIHUA, CA
[72] OMAR, HASSAN ABOUBAKR, CA
[71] ZHUANG, WEIHUA, CA
[71] OMAR, HASSAN ABOUBAKR, CA
[85] 2019-12-13
[86] 2018-07-17 (PCT/CA2018/050863)
[87] (WO2019/014758)
[30] US (62/604,681) 2017-07-17

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **DATA RECEIVING METHOD, RELATED DEVICE, AND SYSTEM**
[54] **PROCEDE DE RECEPTION DE DONNEES, DISPOSITIF ASSOCIE ET SYSTEME**
[72] MA, RUIXIANG, CN
[72] LYU, YONGXIA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-13
[86] 2018-06-12 (PCT/CN2018/090831)
[87] (WO2018/228379)
[30] CN (201710459167.8) 2017-06-16

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[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 9/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **TINOSTAMUSTINE FOR USE IN THE TREATMENT OF T-CELL PROLYMPHOCYTIC LEUKAEMIA**
[54] **TINOSTAMUSTINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE LA LEUCEMIE PROLYMPHOCYTAIRE A LYMPHOCYTES T**
[72] MEHRLING, THOMAS JORG, CH
[72] HERLING, MARCO, DE
[71] EURO-CELTIQUE S.A., LU
[85] 2019-12-13
[86] 2018-06-13 (PCT/EP2018/065664)
[87] (WO2018/229132)
[30] GB (1709402.0) 2017-06-13

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[51] **Int.Cl. B63B 39/03 (2006.01) B63J 3/04 (2006.01)**
[25] EN
[54] **VESSEL ARRANGEMENT**
[54] **AGENCEMENT DE RECIPIENT**
[72] AKSELVOLL, SIGBJORN, NO
[72] BORGEN, HENNING, NO
[71] VARD ELECTRO AS, NO
[85] 2019-12-13
[86] 2018-06-14 (PCT/NO2018/050156)
[87] (WO2018/231066)
[30] NO (20170977) 2017-06-15
[30] NO (20170978) 2017-06-15
[30] NO (20170979) 2017-06-15

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[51] **Int.Cl. A61L 27/20 (2006.01) A61F 2/16 (2006.01) A61L 27/38 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS IMPLANT**
[54] **IMPLANT DE DE LENTILLE INTRAOCULAIRE**
[72] HAEFLIGER, EDUARD ANTON, CH
[71] ACCOMMO AG, CH
[85] 2019-12-13
[86] 2018-06-15 (PCT/EP2018/065930)
[87] (WO2018/229245)
[30] EP (17176165.3) 2017-06-15

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[13] A1
[51] **Int.Cl. H04L 1/22 (2006.01)**
[25] EN
[54] **COMMUNICATION PROCESSING METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE TRAITEMENT DE COMMUNICATION ET APPAREIL DE COMMUNICATION**
[72] XU, XIAOYING, CN
[72] HUANG, QUFANG, CN
[72] LIU, XING, CN
[72] YOU, CHUNHUA, CN
[72] ZENG, QINGHAI, CN
[72] LUO, HAIYAN, CN
[72] DAI, MINGZENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-13
[86] 2018-06-15 (PCT/CN2018/091617)
[87] (WO2018/228557)
[30] CN (201710454166.4) 2017-06-15
[30] CN (201710682219.8) 2017-08-10

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[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/52 (2006.01) G01N 33/53 (2006.01) G01N 33/80 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SINGLE TUBE BLOOD DONOR SCREENING**
[54] **PROCEDE ET APPAREIL DE CRIBLAGE DE DONNEUR DE SANG A TUBE UNIQUE**
[72] SCHMIDT, MICHAEL, DE
[72] SIREIS, WALID, DE
[72] SEIFRIED, ERHARD, DE
[71] DRK BLUTSPENDEDIENST BADEN-WURTTEMBERG-HESSEN GGMBH, DE
[85] 2019-12-13
[86] 2018-06-15 (PCT/EP2018/066004)
[87] (WO2018/229270)
[30] EP (17176332.9) 2017-06-16

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[13] A1
[51] **Int.Cl. H04W 4/00 (2018.01)**
[25] EN
[54] **BANDWIDTH RESOURCE CONFIGURATION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE CONFIGURATION DE RESSOURCE DE BANDE PASSANTE**
[72] LI, JUNCHAO, CN
[72] TANG, HAO, CN
[72] WANG, FAN, CN
[72] TANG, ZHENFEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-13
[86] 2018-06-15 (PCT/CN2018/091668)
[87] (WO2018/228567)
[30] CN (201710459800.3) 2017-06-16

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[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01) A61B 17/72 (2006.01) A61B 17/88 (2006.01) A61F 2/28 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **BONE CEMENT MOLD**
[54] **MOULE POUR CIMENT OSSEUX**
[72] HOLDSWORTH, DAVID W., CA
[72] LANTING, BRENT A., CA
[72] MATHESON, JOHN, CA
[72] NIKOLOV, HRISTO, CA
[72] PAREKH, ASHA, CA
[72] TAVALLAEI, MOHAMMAD ALI, CA
[72] TEETER, MATTHEW G., CA
[71] IDEALFIT SPACER TECHNOLOGIES INC., CA
[85] 2019-12-13
[86] 2017-06-16 (PCT/CA2017/050745)
[87] (WO2018/227267)

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[13] A1
[51] **Int.Cl. B21B 37/76 (2006.01)**
[25] EN
[54] **METHOD AND ELECTRONIC DEVICE FOR DETERMINING THE TEMPERATURE OF A METAL STRIP, RELATED CONTROL METHOD, COMPUTER PROGRAM, CONTROL APPARATUS AND HOT ROLLING INSTALLATION**
[54] **PROCEDE ET DISPOSITIF ELECTRONIQUE POUR DETERMINER LA TEMPERATURE D'UNE BANDE METALLIQUE, PROCEDE DE COMMANDE ASSOCIE, PROGRAMME INFORMATIQUE, APPAREIL DE COMMANDE ET INSTALLATION DE LAMINAGE A CHAUD**
[72] JACOLOT, RONAN, FR
[72] HUIN, DIDIER, FR
[72] MORETTO, CHRISTIAN, FR
[72] CORSELLO, DANIELE, FR
[71] ARCELORMITTAL, LU
[85] 2019-12-13
[86] 2017-06-26 (PCT/IB2017/053804)
[87] (WO2019/002910)

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[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/11 (2006.01) A61G 7/00 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **MEASURING METHOD AND APPARATUS FOR DETERMINING THE LENGTH CONDITIONS, THE POSITION AND/OR THE RADIUS OF MOVEMENT OF THE LOWER EXTREMITIES OF A BED-BOUND PATIENT**
[54] **PROCEDE DE MESURE ET DISPOSITIF PERMETTANT DE DETERMINER LES RAPPORTS DE LONGUEUR, LA POSITION ET/OU LE RAYON DE DEPLACEMENT DES EXTREMITES INFERIEURES D'UN PATIENT ALITE**
[72] PEYRL, HELFRIED, DE
[72] ZILLIG, OLIVER, DE
[72] JONES, KATHLEEN, DE
[72] METZNER, PHILIPP, DE
[71] REACTIVE ROBOTICS GMBH, DE
[85] 2019-12-13
[86] 2018-06-27 (PCT/DE2018/100587)
[87] (WO2019/001636)
[30] DE (10 2017 114 290.8) 2017-06-27

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[13] A1
[51] **Int.Cl. B64C 23/06 (2006.01)**
[25] EN
[54] **AIRPLANE WING WITH AT LEAST TWO WINGLETS**
[54] **AILE D'AVION POURVUE D'AU MOINS DEUX AILETTES MARGINALES**
[72] PETSCHER, HANS-JORG, DE
[72] KASSERA, VOLKER, DE
[71] THE AIRCRAFT PERFORMANCE COMPANY GMBH, DE
[85] 2019-12-13
[86] 2017-07-12 (PCT/EP2017/025201)
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[13] A1
[51] **Int.Cl. A61K 8/362 (2006.01) A61K 8/02 (2006.01) A61K 8/19 (2006.01) A61K 8/365 (2006.01) A61K 8/73 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **COMPOSITION**
[54] **COMPOSITION**
[72] CONSTANTINE, MARK, GB
[72] CONSTANTINE, MARGARET JOAN, GB
[72] AMBROSEN, HELEN ELIZABETH, GB
[72] BIRD, ROWENA JACQUELINE, GB
[72] CONSTANTINE, JACK, GB
[72] LEGROS, ANNA, GB
[71] COSMETIC WARRIORS LIMITED, GB
[85] 2019-12-13
[86] 2017-08-04 (PCT/GB2017/052302)
[87] (WO2019/016496)
[30] GB (1711446.3) 2017-07-17

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[13] A1
[51] **Int.Cl. E06B 9/17 (2006.01) E06B 9/264 (2006.01) E06B 9/323 (2006.01) E06B 9/327 (2006.01) E06B 9/42 (2006.01) E06B 9/58 (2006.01)**
[25] EN
[54] **AN ELONGATED SUPPORT MEMBER AND A COVER FOR BEING CONNECTED TO THE SUPPORT MEMBER**
[54] **ELEMENT DE SUPPORT ALLONGE ET COUVERCLE DESTINE A ETRE RACCORDE A L'ELEMENT DE SUPPORT**
[72] GUEST, GAIUS HENRY, SE
[72] NYKVIST, BENJAMIN, SE
[72] ROSDAHL, PATRIK, SE
[72] SUNDELIN, ANDERS, SE
[71] BLINDSPACE AB, SE
[85] 2019-12-13
[86] 2017-08-21 (PCT/EP2017/071056)
[87] (WO2019/037834)

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[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) B22D 17/00 (2006.01) C22B 9/16 (2006.01) C22B 21/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING FEEDSTOCK IN PIECE FORM MADE FROM METAL**
[54] **PROCEDE ET DISPOSITIF POUR LA PREPARATION DE CHARGES EN MORCEAUX EN METAL**
[72] SCHARF-BERGMANN, ROLAND, DE
[72] ORSUND, ROAR, NO
[71] NORSK HYDRO ASA, NO
[85] 2019-12-13
[86] 2018-04-05 (PCT/EP2018/058684)
[87] (WO2018/233887)
[30] DE (10 2017 114 012.3) 2017-06-23

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[13] A1
[51] **Int.Cl. B61B 12/06 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A CABLEWAY**
[54] **PROCEDE POUR FAIRE FONCTIONNER UN TELEPHERIQUE**
[72] PFEIFER, DANIEL, AT
[72] BERDNIK, ALEXANDER, AT
[72] GISINGER, STEFAN, AT
[72] FEHLE, MARKUS, AT
[71] INNOVA PATENT GMBH, AT
[85] 2019-12-13
[86] 2018-06-11 (PCT/EP2018/065286)
[87] (WO2018/228971)
[30] AT (A50495/2017) 2017-06-13

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[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01)**
[25] EN
[54] **PROCESS FOR PREPARING A POOLED HUMAN PLATELET LYSATE, POOLED HUMAN PLATELET LYSATE AND ITS USE FOR TREATING NEUROLOGICAL DISORDERS**
[54] **PROCEDE DE PREPARATION D'UN LYSAT DE PLAQUETTES HUMAINES REGROUPEES EN POOL, LYSAT DE PLAQUETTES HUMAINES REGROUPEES EN POOL ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] DEVOS, DAVID, FR
[72] BURNOUF, THIERRY, FR
[72] DEVEDJIAN, JEAN-CHRISTOPHE, FR
[72] CHOU, MING-LI, TW
[72] GOUEL, FLORE, FR
[71] CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE LILLE (CHRU), FR
[71] UNIVERSITE DE LILLE, FR
[71] UNIVERSITE DU LITTORAL COTE D'OPALE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] TAIPEI MEDICAL UNIVERSITY, TW
[85] 2019-12-13
[86] 2018-06-15 (PCT/EP2018/066020)
[87] (WO2018/229278)
[30] EP (17305739.9) 2017-06-16

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[13] A1
[51] **Int.Cl. A01G 23/02 (2006.01) A01G 23/06 (2006.01) A01G 23/08 (2006.01) B27G 19/00 (2006.01) B27G 21/00 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **A SENSOR MOUNT AND ASSEMBLY FOR A TIMBER-WORKING DEVICE**
[54] **SUPPORT DE CAPTEUR ET ENSEMBLE CAPTEUR POUR DISPOSITIF DE TRAVAIL DU BOIS**
[72] NEEDHAM, JEMMA LEE, NZ
[72] RAFEALOV, EDEN, NZ
[72] SWINYARD, DOUGLAS CRAIG, NZ
[71] DEERE & COMPANY, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/NZ2018/050081)
[87] (WO2018/231074)
[30] NZ (732896) 2017-06-15

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) H01B 7/17 (2006.01)**
[25] EN
[54] **DISTRIBUTION CABLING SYSTEM**
[54] **SYSTEME DE CABLAGE DE DISTRIBUTION**
[72] LARSON, DONALD K., US
[72] KIPKE, CARY A., US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2019-12-13
[86] 2018-05-15 (PCT/IB2018/053392)
[87] (WO2018/229569)
[30] US (62/520,151) 2017-06-15

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[13] A1
[51] **Int.Cl. E04G 3/28 (2006.01) E04G 11/28 (2006.01)**
[25] EN
[54] **SELF-CLIMBING DEVICE FOR VERTICAL AND QUASI-VERTICAL CONCRETE SURFACES AND OPERATING METHOD**
[54] **DISPOSITIF A ASSEMBLAGE AUTOMATIQUE POUR SURFACES DE BETON VERTICALES ET QUASI-VERTICALES**
[72] ABADIA PEREZ, MARIANO, ES
[72] MONTANER FRAGUET, JESUS, ES
[72] SORAZU ECHAVE, JOSE MANUEL, ES
[72] DIAZ OCHANDIANO, IBAN, ES
[72] AGUILO PORTULAS, BORJA, ES
[71] HWS CONCRETE TOWERS, S.L., ES
[85] 2019-12-13
[86] 2018-06-27 (PCT/ES2018/070462)
[87] (WO2019/002654)
[30] ES (P201730876) 2017-06-30

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[13] A1
[51] **Int.Cl. F03B 7/00 (2006.01)**
[25] EN
[54] **WATERWHEEL**
[54] **ROUE HYDRAULIQUE**
[72] CARRUTHERS, PENELOPE JANE, GB
[71] CARRUTHERS, PENELOPE JANE, GB
[85] 2019-12-13
[86] 2017-06-20 (PCT/GB2017/051801)
[87] (WO2017/220995)
[30] GB (1610730.2) 2016-06-20

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[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01)**
[25] EN
[54] **BACTERIAL COMPOSITION AND/OR DERIVATIVES THEREOF WHOSE BIOLOGICAL ACTIVITY HAS BEEN SPECIFICALLY STUDIED FOR THE IMPROVEMENT OF THE STATE OF HEALTH DIFFERENTIATED FOR MALES AND FEMALES**
[54] **COMPOSITION BACTERIENNE ET/OU SES DERIVES DONT L'ACTIVITE BIOLOGIQUE A ETE SPECIFIQUEMENT ETUDIEE POUR L'AMELIORATION DE L'ETAT DE SANTE DIFFERENCIE POUR LES HOMMES ET LES FEMMES**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2019-12-13
[86] 2018-06-19 (PCT/IB2018/054508)
[87] (WO2018/234994)
[30] IT (102017000068000) 2017-06-19

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[13] A1
[51] **Int.Cl. A61K 31/121 (2006.01) A61P 1/16 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF A FIBROTIC DISEASE**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'UNE MALADIE FIBROTIQUE**
[72] JOHNASEN, BERIT, NO
[72] FEUERHERM, ASTRID JULLUMSTRO, NO
[72] ALEVIZOPOULOS, KONSTANTINOS, NO
[72] SELVIK, LINN-KARINA, NO
[71] AVEXXIN AS, NO
[85] 2019-12-13
[86] 2018-06-15 (PCT/EP2018/066028)
[87] (WO2018/229284)
[30] GB (1806661.3) 2018-04-24
[30] GB (1709671.0) 2017-06-16

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[13] A1
[51] **Int.Cl. G01N 27/414 (2006.01) B82Y 15/00 (2011.01) H01L 29/16 (2006.01) H01L 29/772 (2006.01)**
[25] EN
[54] **POLAR FLUID GATED FIELD EFFECT DEVICES**
[54] **DISPOSITIFS A EFFET DE CHAMP DONT LA GRILLE EST CONSTITUEE PAR UN FLUIDE POLAIRE**
[72] GUDIBANDE, RAJATESCH, R., US
[72] RADHAKRISHNAN, SAURABH, US
[72] GALAND, ANTOINE, US
[72] VORA, MEET, US
[71] GRAPHWEAR TECHNOLOGIES INC., US
[85] 2019-12-13
[86] 2017-06-30 (PCT/IB2017/001003)
[87] (WO2017/216641)
[30] US (62/351,942) 2016-06-18
[30] US (62/356,729) 2016-06-30
[30] US (62/356,742) 2016-06-30

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[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/747 (2015.01) A61P 25/16 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING BACTERIAL STRAINS BELONGING TO THE SPECIES LACTOBACILLUS SALIVARIUS FOR THE TREATMENT OF PARKINSON'S DISEASE**
[54] **COMPOSITION COMPRENANT DES SOUCHES BACTERIENNES APPARTENANT A L'ESPECE LACTOBACILLUS SALIVARIUS POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2019-12-13
[86] 2018-06-19 (PCT/IB2018/054509)
[87] (WO2018/234995)
[30] IT (102017000068009) 2017-06-19

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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **UE CONTEXT HANDLING IN A DISAGGREGATED RADIO ACCESS NODE**
[54] **GESTION DE CONTEXTE D'EQUIPEMENT UTILISATEUR DANS UN N□UD D'ACCES RADIO DESAGREGE**
[72] MYHRE, ELENA, SE
[72] MULLER, WALTER, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-13
[86] 2018-06-18 (PCT/EP2018/066121)
[87] (WO2018/229299)
[30] US (62/521,336) 2017-06-16

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/12 (2006.01)**
[25] EN
[54] **STABLE TOPICAL TETRACYCLINE COMPOSITIONS**
[54] **COMPOSITIONS TOPIQUES STABLES DE TETRACYCLINE**
[72] HAZOT, YOHAN, IL
[72] BERMAN, TAL, IL
[72] ZAILER, JANA, IL
[72] AMSALEM, ORIT, IL
[72] SCHUZ, DAVID, IL
[72] LONDON-DRORI, ANAT, IL
[71] FOAMIX PHARMACEUTICALS LTD., IL
[85] 2019-12-13
[86] 2018-06-19 (PCT/IB2018/000767)
[87] (WO2018/234865)
[30] US (62/522,610) 2017-06-20
[30] US (62/685,699) 2018-06-15

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[13] A1
[51] **Int.Cl. A01N 43/82 (2006.01) A01N 43/90 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] HOFFMAN, THOMAS JAMES, CH
[72] STIERLI, DANIEL, CH
[72] BEAUDEGNIES, RENAUD, CH
[72] POULIOT, MARTIN, CH
[72] JEANGUENAT, ANDRE, CH
[72] HAAS, ULRICH JOHANNES, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2019-12-13
[86] 2018-06-22 (PCT/EP2018/066825)
[87] (WO2019/002151)
[30] EP (17178431.7) 2017-06-28

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[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **CD38 ANTIBODY DRUG CONJUGATE**
[54] **CONJUGUE MEDICAMENT-ANTICORPS ANTI-CD38**
[72] ZHU, TONG, US
[72] KHASANOV, ALISHER, US
[72] CHEN, GANG, US
[72] FELLS, KATHERINE, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2019-12-13
[86] 2018-06-20 (PCT/IB2018/054564)
[87] (WO2018/235024)
[30] US (62/522,516) 2017-06-20
[30] US (62/553,438) 2017-09-01

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NONINVASIVE ANALYSIS OF SUBCUTANEOUS TISSUE**
[54] **SYSTEME ET METHODE D'ANALYSE NON INVASIVE DE TISSU SOUS-CUTANE**
[72] COHEN, YANIV, IL
[72] KLEIN, RONNIE, IL
[72] ZILBERMAN, ARKADI, IL
[72] DEKEL, BEN ZION, IL
[72] BLAUNSTEIN, NATHAN, IL
[71] I.R MED LTD., IL
[85] 2019-12-13
[86] 2018-07-10 (PCT/IL2018/050748)
[87] (WO2018/235091)
[30] US (15/627,470) 2017-06-20

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[13] A1
[51] **Int.Cl. C02F 3/00 (2006.01) C02F 3/30 (2006.01)**
[25] EN
[54] **A METHOD OF CONTROLLING A WASTEWATER TREATMENT PLANT**
[54] **PROCEDE DE COMMANDE D'UNE INSTALLATION DE TRAITEMENT D'EAUX USEES**
[72] VANGSGAARD, ANNA KATRINE, DK
[72] LEMAIRE, ROMAIN LOUIS GILLES, FR
[72] SMETS, BARTHOLOMEUS FRANCISCUS, DK
[72] EKSTROM, SARA ELISABET MARGARETA, SE
[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
[71] DANMARKS TEKNISKE UNIVERSITET, DK
[85] 2019-12-13
[86] 2018-06-29 (PCT/EP2018/067639)
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[13] A1
[25] EN
[54] **BOILER SYSTEM FOR BOTH HEATING AND HOT WATER**
[54] **SYSTEME DE CHAUDIERE DESTINE AU CHAUFFAGE ET A L'ALIMENTATION EN EAU CHAUDE**
[72] KIM, SI HWAN, KR
[72] HU, CHANG HEOI, KR
[72] KIM, SOON KI, KR
[71] KYUNGDONG NAVIEN CO., LTD., KR
[85] 2019-12-13
[86] 2018-06-05 (PCT/KR2018/006406)
[87] (WO2019/022366)
[30] KR (10-2017-0093295) 2017-07-24

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[51] **Int.Cl. C12N 15/86 (2006.01) C12N 5/071 (2010.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/67 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **PLATFORM FOR EXPRESSING PROTEIN OF INTEREST IN LIVER**
[54] **PLATEFORME POUR EXPRIMER UNE PROTEINE D'INTERET DANS LE FOIE**
[72] KIM, SEOKJOONG, KR
[72] SONG, DONG WOO, KR
[72] LEE, KYU JUN, KR
[72] LEE, JUNG-MIN, KR
[72] KIM, UN-GI, KR
[71] TOOLGEN INCORPORATED, KR
[85] 2019-12-13
[86] 2018-06-15 (PCT/KR2018/006803)
[87] (WO2018/231018)
[30] US (62/520,103) 2017-06-15
[30] US (62/662,907) 2018-04-26

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[13] A1
[51] **Int.Cl. A01D 34/416 (2006.01)**
[25] EN
[54] **CUTTING FILAMENT FOR A VEGETATION CUTTING MACHINE**
[54] **FILAMENT DE COUPE POUR MACHINE DE COUPE DE VEGETATION**
[72] BELJEAN, YANN, FR
[71] SPEED FRANCE SAS, FR
[85] 2019-12-13
[86] 2018-07-26 (PCT/EP2018/070246)
[87] (WO2019/020727)
[30] EP (17306015.3) 2017-07-28

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[13] A1
[51] **Int.Cl. G16H 30/20 (2018.01) G16H 20/17 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SPLIT BOLUS PROTOCOL GENERATION**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GENERER UN PROTOCOLE DE BOLUS FRACTIONNE**
[72] VOLKAR, JOHN, US
[72] KEMPER, COREY, US
[71] BAYER HEALTHCARE LLC, US
[85] 2019-12-13
[86] 2018-06-14 (PCT/US2018/037492)
[87] (WO2018/232085)
[30] US (62/520,728) 2017-06-16

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[13] A1
[51] **Int.Cl. H02M 7/48 (2007.01)**
[25] EN
[54] **POWER CONVERSION DEVICE**
[54] **DISPOSITIF DE CONVERSION D'ENERGIE**
[72] ABE, KEITA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-13
[86] 2017-06-15 (PCT/JP2017/022110)
[87] (WO2018/229929)

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[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61P 25/06 (2006.01)**
[25] EN
[54] **TREATMENT FOR MIGRAINE**
[54] **TRAITEMENT POUR DE LA MIGRAINE**
[72] STRUPP, MICHAEL, DE
[72] FACTOR, MALLORY, US
[71] INTRABIO LTD, GB
[85] 2019-12-13
[86] 2018-06-25 (PCT/IB2018/054676)
[87] (WO2018/229738)
[30] GB (1709459.0) 2017-06-14

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[13] A1
[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **USER TERMINAL AND WIRELESS COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] SAITO, KEISUKE, JP
[72] TAKEDA, KAZUAKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2019-12-13
[86] 2017-06-15 (PCT/JP2017/022229)
[87] (WO2018/229958)

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[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **MACHINE-LEARNING SYSTEM FOR SERVICING QUERIES FOR DIGITAL CONTENT**
[54] **SYSTEME D'APPRENTISSAGE AUTOMATIQUE POUR TRAITER DES INTERROGATIONS POUR UN CONTENU NUMERIQUE**
[72] HICKLIN, STEVEN, US
[72] ASHEGHI, NOUSHIN REZAPOUR, US
[71] EQUIFAX, INC., US
[71] HICKLIN, STEVEN, US
[85] 2019-12-13
[86] 2018-06-18 (PCT/US2018/038038)
[87] (WO2018/236732)
[30] US (62/521,825) 2017-06-19

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A01G 7/06 (2006.01)**
[25] EN
[54] **INTEGUMENTAL DISSOLVING NEEDLES AND NEEDLE DEVICES**
[54] **AIGUILLE POUR DISSOLUTION DANS LA PEAU ET DISPOSITIF D'AIGUILLE**
[72] NANGOU, NORIHIRO, JP
[71] NANGOU, NORIHIRO, JP
[85] 2019-12-13
[86] 2018-03-19 (PCT/JP2018/010912)
[87] (WO2018/235362)
[30] JP (2017-121980) 2017-06-22

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[51] **Int.Cl. B65D 19/32 (2006.01)**
[25] EN
[54] **PALLET WITH IMPACT-RESISTANT COLUMNS**
[54] **PALETTE A COLONNES RESISTANT A L'IMPACT**
[72] VALDES ABRAMO, JUAN PABLO, MX
[72] ALVAREZ VARGAS, ANDRES, MX
[72] ANDRADE ONTIVEROS, ADRIAN, MX
[72] AVILA HERNANDEZ, MARTHA VALERIA, MX
[72] AVILA RAMIREZ, FELICITAZ ELIZABETH, MX
[72] BACA SANCHEZ, JUAN PEDRO, MX
[72] BALBINO TOVAR, NALLELY, MX
[72] FEREGRINO MONTES, CIRO, MX
[72] GOMEZ CAUDILLO, ALEJANDRO, MX
[72] MARTINEZ LAYSECA, LUIS JOAQUIN, MX
[72] PENA ZAPATA, JOSE RICARDO, MX
[72] PINEDA HERNANDEZ, CLAUDIA ESTEFANIA, MX
[72] RUIZ ESTRELLA, JUAN, MX
[72] SERVIN FRIAS, DANIEL, MX
[72] VARGAS MONTIEL, KAREN IRAIS, MX
[72] VAZQUEZ RAMIREZ, JOSE ALBERTO, MX
[71] PLASTICOS TECNICOS MEXICANOS, S.A. DE C.V., MX
[85] 2019-12-13
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[87] (WO2019/112410)

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[13] A1
[51] **Int.Cl. G01R 33/02 (2006.01) H01L 43/00 (2006.01)**
[25] EN
[54] **SUPER HIGH-SENSITIVITY MICRO MAGNETIC SENSOR**
[54] **CAPTEUR MICROMAGNETIQUE A TRES HAUTE SENSIBILITE**
[72] HONKURA, YOSHINOBU, JP
[72] HONKURA, SHINPEI, JP
[71] ASAHI INTECC CO., LTD., JP
[85] 2019-12-13
[86] 2018-05-18 (PCT/JP2018/019392)
[87] (WO2018/230262)
[30] JP (2017-119171) 2017-06-16

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[51] **Int.Cl. A01J 5/007 (2006.01) A01J 11/00 (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] 2019-12-13
[86] 2018-06-14 (PCT/NL2018/050390)
[87] (WO2019/004819)
[30] NL (2019129) 2017-06-27

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[51] **Int.Cl. A61K 31/436 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 38/46 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **MTOR-INHIBITOR-CONTAINING MEDICINE FOR TREATING OR PREVENTING OPHTHALMIC SYMPTOMS, DISORDERS, OR DISEASES, AND APPLICATION THEREOF**
[54] **MEDICAMENT CONTENANT UN INHIBITEUR DE MTOR DESTINE AU TRAITEMENT OU A LA PREVENTION DE SYMPTOMES, DE TROUBLES OU DE MALADIES OPHTALMIQUES, ET SON APPLICATION**
[72] KOIZUMI, NORIKO, JP
[72] OKUMURA, NAOKI, JP
[71] THE DOSHISHA, JP
[85] 2019-12-13
[86] 2018-06-15 (PCT/JP2018/022942)
[87] (WO2018/230711)
[30] JP (2017-118619) 2017-06-16

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[13] A1
[25] EN
[54] **ENZYMATIC REPLACEMENT THERAPY AND ANTISENSE THERAPY FOR POMPE DISEASE**
[54] **THERAPIE DE SUBSTITUTION ENZYMATIQUE ET THERAPIE ANTISENS DESTINEE A LA MALADIE DE POMPE**
[72] VAN DER WAL, ERIK, NL
[72] BERGSMA, ATZE JACOBUS, NL
[72] PIJNAPPEL, WILHELMUS WENCESLAUS MATTHIAS, NL
[72] VAN DER PLOEG, ANTJE TJITSKE, NL
[71] ERASMUS UNIVERSITY MEDICAL CENTER ROTTERDAM, NL
[85] 2019-12-13
[86] 2018-06-14 (PCT/NL2018/050392)
[87] (WO2018/231060)
[30] NL (2019069) 2017-06-14

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[13] A1
[51] **Int.Cl. G01F 25/00 (2006.01) G01F 1/84 (2006.01)**
[25] EN
[54] **FREQUENCY SPACINGS TO PREVENT INTERMODULATION DISTORTION SIGNAL INTERFERENCE**
[54] **ESPACEMENTS DE FREQUENCE POUR EMPECHER UNE INTERFERENCE DE SIGNAL DE DISTORSION D'INTERMODULATION**
[72] RENSING, MATTHEW JOSEPH, US
[72] CUNNINGHAM, TIMOTHY J., US
[71] MICRO MOTION, INC., US
[85] 2019-12-13
[86] 2017-06-14 (PCT/US2017/037530)
[87] (WO2018/231229)

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[13] A1
[51] **Int.Cl. B07C 5/342 (2006.01) B07C 5/10 (2006.01) B07C 5/34 (2006.01) G06K 9/32 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR SORTING**
[54] **PROCEDE ET APPAREIL DE TRI**
[72] MCGARVEY, KENNETH J., US
[72] RICHERT, GERALD R., US
[72] BRUCH, ELLIOT T., US
[72] LARREAU, BRET J., US
[71] KEY TECHNOLOGY, INC., US
[85] 2019-12-13
[86] 2018-01-19 (PCT/US2018/014362)
[87] (WO2019/005212)
[30] US (15/634,694) 2017-06-27

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[13] A1
[51] **Int.Cl. C07D 307/81 (2006.01) A61K 31/443 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **2-[4-(METHYLAMINOMETHYL)PHENYL]-5-FLUORO-BENZOFURAN-7-CARBOXAMIDE HYDROCHLORIDE POLYMORPH, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **POLYMORPHE DE CHLORHYDRATE DE 2-[4-(METHYLAMINOMETHYL)PHENYL]-5-FLUORO-BENZOFURAN-7-CARBOXAMIDE, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] YANG, CHUNHAO, CN
[72] MIAO, ZEHONG, CN
[72] TAN, CUN, CN
[72] HUAN, XIAJUAN, CN
[72] DING, JIAN, CN
[72] CHEN, YI, CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[71] FUKANG (SHANGHAI) HEALTH TECHNOLOGY CO., LTD., CN
[85] 2019-12-16
[86] 2018-05-31 (PCT/CN2018/089222)
[87] (WO2018/228205)
[30] CN (201710449281.2) 2017-06-14

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[13] A1
[51] **Int.Cl. B07C 5/00 (2006.01) B07C 5/10 (2006.01) B07C 5/342 (2006.01) H01L 31/107 (2006.01)**
[25] EN
[54] **SORTING APPARATUS**
[54] **APPAREIL DE TRI**
[72] CALCOEN, JOHAN, BE
[72] STULENS, PETER, BE
[71] KEY TECHNOLOGY, INC., US
[85] 2019-12-13
[86] 2018-01-19 (PCT/US2018/014375)
[87] (WO2019/005213)
[30] US (15/634,137) 2017-06-27

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[13] A1
[51] **Int.Cl. B01D 1/16 (2006.01) B01D 1/20 (2006.01)**
[25] EN
[54] **FRACTIONATION SYSTEM USING BUNDLED COMPACT CO-CURRENT CONTACTING SYSTEMS**
[54] **SYSTEME DE FRACTIONNEMENT UTILISANT DES SYSTEMES GROUPEURS COMPACTS DE MISE EN CONTACT DE CO-COURANTS**
[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] 2019-12-13
[86] 2018-04-10 (PCT/US2018/026866)
[87] (WO2018/231332)
[30] US (62/520,274) 2017-06-15

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/15 (2006.01) A61B 5/157 (2006.01)**
[25] EN
[54] **GLUCOSE TEST ARRANGEMENT AND METHOD**
[54] **AGENCEMENT ET PROCEDE DE TEST DE GLYCEMIE**
[72] HUELLEN, VOLKER, DE
[72] KETH, INGRID, DE
[72] KOSCHORRECK, BEATE, DE
[72] PACHL, RUDOLF, DE
[72] SETIABUDI, MIGUEL, DE
[72] BERG, MAX, DE
[72] KAMMERER, DANIEL, DE
[72] HOHENADEL, ULISSE, DE
[72] SIEFFERT, DANIEL, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-12-13
[86] 2018-07-31 (PCT/EP2018/070782)
[87] (WO2019/025461)
[30] EP (17184572.0) 2017-08-02

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[13] A1
[51] **Int.Cl. E21B 33/068 (2006.01) E21B 33/038 (2006.01) E21B 34/06 (2006.01) E21B 43/12 (2006.01) F16K 11/00 (2006.01)**
[25] EN
[54] **CONNECTION BETWEEN AN OIL AND GAS FRACTURING TREE AND A ZIPPER MODULE**
[54] **CONNEXION ENTRE UN ARBRE DE FRACTURATION A L'HUILE ET AU GAZ ET UN MODULE DU TYPE FERMETURE A GLISSIERE**
[72] TRAN, DUC THANH, US
[71] SEABOARD INTERNATIONAL, INC., US
[85] 2019-12-13
[86] 2018-07-07 (PCT/US2018/041160)
[87] (WO2019/010463)
[30] US (62/530,088) 2017-07-07

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[13] A1
[51] **Int.Cl. B60L 50/60 (2019.01) B60L 15/00 (2006.01) B63G 8/08 (2006.01) B63H 21/17 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING PARASITIC POWER LOSSES BY AN ENERGY SOURCE**
[54] **SYSTEMES ET PROCEDES DESTINES A REDUIRE LES PERTES DE PUISSANCE PARASITE D'UNE SOURCE D'ENERGIE**
[72] DAMUS, ROBERT S., US
[71] HADAL, INC., US
[85] 2019-12-13
[86] 2018-06-14 (PCT/US2018/037640)
[87] (WO2018/232183)
[30] US (62/519,282) 2017-06-14

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[13] A1
[51] **Int.Cl. H04B 3/44 (2006.01) G01R 19/25 (2006.01)**
[25] EN
[54] **CONTROLLER FOR PRECISELY POWERING REMOTE RADIO HEADS ON A CELL TOWER**
[54] **DISPOSITIF DE COMMANDE POUR UNE ALIMENTATION PRECISE DE TETES RADIO DISTANTES SUR UNE TOUR CELLULAIRE**
[72] GANDHI, RONAK BHADRESH, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2019-12-13
[86] 2018-06-13 (PCT/US2018/037335)
[87] (WO2018/231984)
[30] US (62/520,302) 2017-06-15

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[13] A1
[51] **Int.Cl. H02J 3/32 (2006.01) H02J 3/38 (2006.01) H02J 7/35 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTING EXCESS POWER**
[54] **PROCEDE ET SYSTEME D'EXTRACTION DE PUISSANCE EXCEDENTAIRE**
[72] SOMANI, APURVA, US
[72] XIA, XIAORONG, US
[72] THAPA, ANUP, US
[72] CASTELINO, GYSLER, US
[71] DYNAPOWER COMPANY LLC, US
[85] 2019-12-13
[86] 2018-05-15 (PCT/US2018/032711)
[87] (WO2018/213273)
[30] US (62/506,363) 2017-05-15

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[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **RESPONSE CENTER**
[54] **CENTRE DE REPONSE**
[72] PACE, ROBERT, US
[71] PACE, ROBERT, US
[85] 2019-12-13
[86] 2018-06-13 (PCT/US2018/037401)
[87] (WO2018/232033)
[30] US (62/519,109) 2017-06-13

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[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VIRTUAL REALITY MOTION SICKNESS PREVENTION**
[54] **SYSTEMES ET PROCEDES DE PREVENTION DU MAL DES TRANSPORTS POUR REALITE VIRTUELLE**
[72] RIKOSKI, RICHARD J., US
[71] HADAL, INC., US
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[86] 2018-06-14 (PCT/US2018/037641)
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[54] **CONFIGURATIONS D'EJECTEUR A AILETTES**
[72] EVULET, ANDREI, US
[71] JETOPTERA, INC., US
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[30] US (15/625,907) 2017-06-16

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[51] **Int.Cl. B01J 19/18 (2006.01) B01J 8/00 (2006.01)**
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[54] **METHOD OF CREATING PARAMETRIC RESONANCE OF ENERGIES IN THE ATOMS OF CHEMICAL ELEMENTS IN A SUBSTANCE**
[54] **PROCEDE DE CREATION D'UNE RESONANCE PARAMETRIQUE DANS DES ATOMES D'ELEMENTS CHIMIQUES FAISANT PARTIE D'UN COMPOSE**
[72] SELIVANOV, NIKOLAY IVANOVICH, RU
[71] NATURAL RESOURCE BENEFICIATION LIMITED, GB
[85] 2019-12-13
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[51] **Int.Cl. H04M 3/46 (2006.01) H04L 29/06 (2006.01) H04M 1/00 (2006.01) H04M 3/42 (2006.01) H04M 3/54 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR INTELLIGENT ROUTING OF NOTIFICATIONS OF INCOMING VOICE COMMUNICATION REQUESTS**
[54] **SYSTEMES ET PROCEDES DE ROUTAGE INTELLIGENT DE NOTIFICATIONS DE DEMANDES DE COMMUNICATION VOCALE ENTRANTES**
[72] ACHAMOLA, SRAVAN KUMAR REDDY, US
[72] KOONA, KIRAN, US
[72] MANDAVILLI, RAVI TEJA, US
[72] ANNAM, VENKATA SUBBARAO, US
[72] DEPA, TEJASREE, US
[72] VUPPU, PRAPULLA, US
[72] KARUCHULA, VENKATA NAGA POLESWARA RAO, US
[71] QUALCOMM INCORPORATED, US
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[54] **BRAKE ASSEMBLY SHIELD AND SCRAPER**
[54] **PROTECTION ET RACLOIR D'ENSEMBLE DE FREIN**
[72] MANSFIELD, R. MARCUS, US
[72] SCHNEIDER, MICHAEL D., US
[71] POLARIS INDUSTRIES INC., US
[85] 2019-12-13
[86] 2018-06-14 (PCT/US2018/037439)
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[54] **RECEPTEUR DE CYBER-AVERTISSEMENT**
[72] HAYDEN, PATRICK M., US
[72] JEONG, JEONG-O., US
[72] LE, VU T., US
[72] RAPPA, CHRISTOPHER C., US
[72] RAY, SUMIT, US
[72] SOBOLEWSKI, KATHERINE D., US
[72] WOOLRICH, DAIVD K., JR., US
[71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
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[30] US (15/624,444) 2017-06-15

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[25] EN
[54] **ANTI-L1-CAM ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-L1-CAM ET LEURS UTILISATIONS**
[72] CHEUNG, NAI-KONG, US
[72] XU, HONG, US
[72] SUZUKI-NISHIJIMA, MAYA, US
[72] NEMIEBOKA, BRANDON, US
[72] LEWIS, JASON, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
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[54] **ELECTRIC-POWERED, CLOSED-LOOP, CONTINUOUS-FEED, ENDOTHERMIC ENERGY-CONVERSION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CONVERSION D'ENERGIE ENDOTHERMIQUE, A ALIMENTATION CONTINUE, A BOUCLE FERMEE, A COMMANDE ELECTRIQUE**
[72] REDEKER, MARTIN, US
[72] CARROLL, JOSEPH P., JR., US
[71] NR-3, LLC, US
[85] 2019-12-13
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[54] **FIBER-COUPLED BROADBAND LIGHT SOURCE**
[54] **SOURCE LUMINEUSE A BANDE LARGE ET A COUPLAGE DE FIBRE**
[72] MCDANIEL, HUNTER, US
[72] BERGREN, MATTHEW, US
[72] MAKAROV, NIKOLAY, US
[71] UBIQD INC., US
[85] 2019-12-13
[86] 2018-06-14 (PCT/US2018/037654)
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[25] EN
[54] **TREATMENT OF SEXUAL DYSFUNCTION AND IMPROVEMENT IN SEXUAL QUALITY OF LIFE**
[54] **TRAITEMENT D'UN DYSFONCTIONNEMENT SEXUEL ET AMELIORATION DE LA QUALITE DE VIE SEXUELLE**
[72] DIFEDE, DARCY L., US
[72] HARE, JOSHUA M., US
[71] LONGEVERON LLC, US
[71] DIFEDE, DARCY L., US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037725)
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[54] **INTEGRATED TRANSDUCER**
[54] **TRANSDUCTEUR INTEGRE**
[72] GALBREATH, CURT, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2019-12-13
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[25] EN
[54] **SEGMENTATION OF RETINAL BLOOD VESSELS IN OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IMAGES**
[54] **SEGMENTATION DE VAISSEAUX SANGUINS RETINIENS DANS DES IMAGES D'ANGIOGRAPHIE PAR TOMOGRAPHIE PAR COHERENCE OPTIQUE**
[72] EL-BAZ, AYMAN, US
[72] ELDAWI, NABILA, US
[72] SCHAAL, SHLOMIT, US
[72] ELMOGY, MOHAMMED, US
[72] SANDU, HARPAL, US
[72] KEYNTON, ROBERT S., US
[72] SOLIMAN, AHMED, US
[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US
[71] UNIVERSITY OF MASSACHUSETTS, US
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[54] **SYSTEME DE GESTION D'OPIOIDES**
[72] VANDERVEEN, TIMOTHY W., US
[71] CAREFUSION 303, INC., US
[85] 2019-12-13
[86] 2018-06-12 (PCT/US2018/037069)
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[54] **EMERALDINE BASE COMPOSITE FOR CORROSION INHIBITION**
[54] **COMPOSITE D'EMERALDINE BASE POUR L'INHIBITION DE LA CORROSION**
[72] SURWADE, SUMEDH P., US
[71] SAS NANOTECHNOLOGIES LLC, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037796)
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[51] **Int.Cl. A01G 23/099 (2006.01) A01G 23/08 (2006.01)**
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[54] **METHOD FOR HANDLING LOGS AND LOG MARKING TOOL FOR USE IN SUCH A METHOD**
[54] **PROCEDE DE MANIPULATION DE RONDINS ET OUTIL DE MARQUAGE DE RONDIN DESTINE A ETRE UTILISE DANS UN TEL PROCEDE**
[72] SORVIK, BENGT, SE
[71] SORVIK, BENGT, SE
[85] 2019-12-13
[86] 2018-06-20 (PCT/SE2018/050657)
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[54] **TRAITEMENT ANTIMICROBIEN DE CARCASSES D'ANIMAUX ET DE PRODUITS ALIMENTAIRES**
[72] PISANOVA, ELENA, US
[72] AN, WEIDONG, US
[72] ROVISON, JOHN M., US
[72] THOMPSON, ANGELA, US
[71] PEROXYCHEM LLC, US
[85] 2019-12-13
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[54] **METHODS AND SYSTEMS FOR AUTOMATICALLY MAPPING A RETAIL LOCATION**
[54] **PROCEDES ET SYSTEMES POUR DRESSER AUTOMATIQUEMENT LA CARTE D'UN ETABLISSEMENT DE VENTE AU DETAIL**
[72] KOTHA, VIVEK REDDY, US
[72] SHERMAN, BRET LEWIS, US
[72] FLEENOR, HAROLD WAYNE, US
[72] INGRAM, CHARLES CHRISTOPHER, US
[71] PETSMART HOME OFFICE, INC., US
[85] 2019-12-13
[86] 2018-06-28 (PCT/US2018/039998)
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[25] EN
[54] **RESONATOR NETWORKS FOR IMPROVED LABEL DETECTION, COMPUTATION, ANALYTE SENSING, AND TUNABLE RANDOM NUMBER GENERATION**
[54] **RESEAUX RESONATEURS POUR DETECTION D'ETIQUETTES, CALCUL, DETECTION DE SUBSTANCES D'ANALYSE ET GENERATION DE NOMBRE ALEATOIRE ACCORDABLE AMELIORES**
[72] LEBECK, ALVIN R., US
[72] DWYER, CHRIS, US
[72] LABODA, CRAIG, US
[71] DUKE UNIVERSITY, US
[85] 2019-12-13
[86] 2018-06-12 (PCT/US2018/037076)
[87] (WO2018/231805)
[30] US (62/521,192) 2017-06-16
[30] US (62/527,451) 2017-06-30
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[51] **Int.Cl. C07K 16/40 (2006.01) A61K 47/68 (2017.01) C12Q 1/6876 (2018.01) A61K 31/496 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07D 401/06 (2006.01) C12Q 1/37 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01) G01N 33/573 (2006.01)**
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[54] **ASPRV1 AS A NEUTROPHIL-SPECIFIC MARKER AND THERAPEUTIC TARGET FOR INFLAMMATORY DISEASES**
[54] **ASPRV1 EN TANT QUE MARQUEUR SPECIFIQUE AUX NEUTROPHILES ET CIBLE THERAPEUTIQUE POUR LES MALADIES INFLAMMATOIRES**
[72] VALLIERES, LUC, CA
[71] UNIVERSITE LAVAL, CA
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF NETHERTON SYNDROME WITH LEKTI EXPRESSING RECOMBINANT MICROBES**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DU SYNDROME DE NETHERTON AVEC DES MICRO-ORGANISMES RECOMBINANTS EXPRIMANT LEKTI**
[72] WHITFILL, TRAVIS MICHAEL, US
[72] MUNIVAR, AZIM MOMIN, US
[71] AZITRA INC, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037850)
[87] (WO2018/232300)
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[51] **Int.Cl. H02M 3/158 (2006.01) H02M 3/335 (2006.01)**
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[54] **DC/DC CONVERTER AND CONTROL THEREOF**
[54] **CONVERTISSEUR CONTINU-CONTINU ET SA COMMANDE**
[72] SOMANI, APURVA, US
[72] XIA, XIANORONG, US
[72] THAPA, ANUP, US
[72] CASTELINO, GYSLER, US
[71] DYNAPOWER COMPANY LLC, US
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[30] US (62/506,315) 2017-05-15

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[25] EN
[54] **BIOMARKERS FOR PREDICTING TUMOR RESPONSE TO AND TOXICITY OF IMMUNOTHERAPY**
[54] **BIOMARQUEURS POUR PREDIRE UNE REPONSE TUMORALE A UNE IMMUNOTHERAPIE ET LA TOXICITE D'UNE IMMUNOTHERAPIE**
[72] WEIDHAAS, JOANNE, US
[71] MIRADX, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037866)
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[54] **SYSTEMS, DEVICES, AND METHODS FOR SENSING LOCATIONS AND FORCES**
[54] **SYSTEMES, DISPOSITIFS ET METHODES DE DETECTION D'EMPLACEMENTS ET DE FORCES**
[72] WETTELS, NICHOLAS, US
[72] DADE, KEONI, US
[72] GAMAGE, MENUKA, US
[71] ONROBOT LOS ANGELES INC., US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037886)
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[30] US (62/520,469) 2017-06-15

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING SUBTERRANEAN FORMATIONS**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DE FORMATIONS SOUTERRAINES**
[72] HAGHIGHI, MOHAMMAD FARID EHTEMAM, US
[72] ZHANG, RUI, US
[72] JAGASSAR, PARBATEE, US
[72] TAREK, MOHAMED, US
[72] RADWAN, AMR, US
[72] NADERI, KHOSROW, US
[72] GUNDA, DHIRAJ, US
[71] TENEX TECHNOLOGIES, LLC, US
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[30] US (62/521,068) 2017-06-16
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[54] **BACTERIAL VACCINE**
[54] **VACCIN BACTERIEN**
[72] NIAZI, KAYVAN, US
[72] LAZAR, ADAM, US
[72] LIU, PHILIP T., US
[72] SHIN, ANNIE, US
[72] SIELING, PETER, US
[71] NANTBIO, INC., US
[85] 2019-12-12
[86] 2018-06-15 (PCT/US2018/037916)
[87] (WO2018/232353)
[30] US (62/521,153) 2017-06-16
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[51] **Int.Cl. G01N 1/28 (2006.01)**
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[54] **SYSTEM AND PROCEDURE FOR STABILIZING, STORING AND RECOVERING BLOOD SAMPLES**
[54] **SYSTEME ET PROCEDE POUR STABILISER, STOCKER ET RECUPERER DES ECHANTILLONS DE SANG**
[72] RINGOLD, RANDY, US
[72] WILSON, KYLE, US
[72] RINGOLD, TYSON, US
[72] PESHEROV, EKATERINA, US
[71] VETERINARY DIAGNOSTICS INSTITUTE, INC., US
[85] 2019-12-13
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[25] EN
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[54] **CELLULES SOLAIRES INDIVIDUELLES MASSIVEMENT CONNECTEES**
[72] KIM, YOUNG-HWA, US
[72] OLMSTED, RICHARD D., US
[71] HIGHER DIMENSION MATERIALS, INC., US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037884)
[87] (WO2018/232324)
[30] US (62/521,037) 2017-06-16
[30] US (62/560,524) 2017-09-19
[30] US (62/571,714) 2017-10-12
[30] US (62/587,887) 2017-11-17
[30] US (62/595,830) 2017-12-07
[30] US (62/598,270) 2017-12-13
[30] US (62/619,510) 2018-01-19

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[51] **Int.Cl. H05B 37/02 (2006.01) G06F 3/0484 (2013.01) G06F 3/0488 (2013.01) H05B 33/08 (2006.01)**
[25] EN
[54] **COMMUNICATING WITH AND CONTROLLING LOAD CONTROL SYSTEMS**
[54] **COMMUNICATION AVEC DES SYSTEMES DE COMMANDE DE CHARGE ET COMMANDE DE SYSTEMES DE COMMANDE DE CHARGE**
[72] CLYMER, ERICA L., US
[72] JONES, CHRISTOPHER M., US
[72] BARD, BENJAMIN F., US
[72] AGARWAL, RHYTHM, US
[72] TIAN, SHENCHI, US
[72] BARCO, KYLE T., US
[72] OLSON, THOMAS L., US
[72] ORCHOWSKI, NEIL R., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037893)
[87] (WO2018/232333)
[30] US (62/520,132) 2017-06-15
[30] US (62/553,331) 2017-09-01
[30] US (62/599,379) 2017-12-15

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[25] EN
[54] **ANTIBODY-DRUG CONJUGATES CONTAINING ANTI-GLOBO H ANTIBODIES AND USES THEREOF**
[54] **CONJUGUES ANTICORPS-MEDICAMENT CONTENANT DES ANTICORPS ANTI-GLOBO H ET LEURS UTILISATIONS**
[72] LEE, CHAO-PIN, TW
[72] CHUANG, SHIH-HSIEN, TW
[72] HSU, CHUAN-LUNG, TW
[72] CHEN, YI-JEN, TW
[72] NIEH, YU-CHIN, TW
[72] WEI, WIN-YIN, TW
[72] WU, CHIA-CHENG, TW
[71] DEVELOPMENT CENTER FOR BIOTECHNOLOGY, TW
[85] 2019-12-13
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[25] EN
[54] **TARGETED NON-VIRAL DNA INSERTIONS**
[54] **INSERTIONS CIBLEES D'ADN NON VIRAL**
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[72] MARSON, ALEXANDER, US
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[54] **SYSTEME ET PROCEDE DE MASQUE DE CONTOUR DE VISAGE**
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[71] CALIFORNIA CONTOUR LLC, US
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[54] **EFFECTS OF SPACE TRAVEL ON HUMAN BRAIN CELLS**
[54] **EFFETS DE VOYAGE DANS L'ESPACE SUR DES CELLULES CEREBRALES HUMAINES**
[72] HINOJOSA, CHRISTOPHER DAVID, US
[72] SLIZ, JOSIAH, US
[72] PEDIADITAKIS, IOSIF, US
[72] BARTHAKUR, SONALEE, US
[71] EMULATE, INC., US
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[54] **MULTILAYER PARAMETER-VARYING FUSING AND DEPOSITION STRATEGIES FOR ADDITIVE MANUFACTURING**
[54] **STRATEGIES DE FUSION ET DE DEPOT MULTICOUCHES A PARAMETRES VARIABLES POUR LA FABRICATION ADDITIVE**
[72] HOPKINS, ADAM BAYNE, US
[72] TORQUATO, SALVATORE, US
[72] BEBERWYCK, BRANDON, US
[71] UNIFORMITY LABS, INC., US
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[54] **SOFTWARE BASED CLOUD COMPUTING MODULATOR/DEMODULATOR MODEM**
[54] **MODEM MODULATEUR/DEMODULATEUR D'INFORMATIQUE EN NUAGE SUR LOGICIEL**
[72] BEELER, MICHAEL, US
[72] TOYSERKANI, KASRA, US
[71] ENVISTACOM, LLC, US
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[54] **SYSTEMS AND METHODS FOR CONFIGURABLE BATTERY CHARGING**
[54] **SYSTEMES ET PROCEDES DE CHARGE DE BATTERIE CONFIGURABLE**
[72] RIKOSKI, RICHARD J., US
[71] HADAL, INC., US
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[54] **DRIVE CLUTCH FOR A CVT**
[54] **EMBRAYAGE D'ENTRAINEMENT POUR CVT**
[72] OKESON, BRIAN GEORGE, US
[72] ECK, BRIAN GEORGE, US
[72] HAMM, CHRISTOPHER DAVID, US
[72] OTTO, THEODORE ROBERT, US
[72] RICKE, CANAAN WRAY, US
[72] BONHAM, BRANDON R., US
[72] CARVER, MICHAEL WILLIAM, US
[71] TEAM INDUSTRIES, INC., US
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[54] **TARGETED DEFA5 ANTIBODY AND ASSAY METHODS FOR DIAGNOSING AND TREATING INFLAMMATORY BOWEL DISEASE**
[54] **ANTICORPS ANTI-DEFA5 CIBLE ET PROCEDES DE DOSAGE POUR DIAGNOSTIQUER ET TRAITER UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] M'KOMA, AMOSY, US
[72] SAKWE, AMOS, US
[71] MEHARRY MEDICAL COLLEGE, US
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[54] **A PERIPHERALLY-RESTRICTED DUAL-ACTING KAPPA AND DELTA OPIOID AGONIST FOR ANALGESIA IN PAIN STATES INVOLVING THE INFLAMMATORY RESPONSE**
[54] **AGONISTE OPIOIDE KAPPA ET DELTA A DOUBLE ACTION LIMITE A LA PERIPHERIE POUR UNE ANALGESIE DANS DES ETATS DE DOULEUR IMPLIQUANT LA REPONSE INFLAMMATOIRE**
[72] HARTRICK, CRAIG, US
[71] CAVENTURE DRUG DISCOVERY, INC., US
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[54] **RESISTANCE DE PUISSANCE**
[72] DRESSLER, MATTHIAS, DE
[72] SCHOTT, BERTRAM, DE
[71] VISHAY ELECTRONIC GMBH, DE
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[54] **NONDESTRUCTIVE METHOD FOR VALIDATING THAT GLAZING IS ABLE TO WITHSTAND AN IMPACT**
[54] **PROCEDE NON DESTRUCTIVE DE VALIDATION QU'UN VITRAGE RESISTE A UN IMPACT**
[72] SAUVESTY, JEAN-CHARLES, FR
[72] FREDY, CAROLE, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **VACCIN PERSONNALISE**
[72] BENDJAMA, KAIDRE, FR
[72] SILVESTRE, NATHALIE, FR
[72] MARCHAND, JEAN-BAPTISTE, FR
[72] GRELLIER, BENOIT, FR
[71] TRANSGENE SA, FR
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[54] **THERAPY CONTROL BY COMPREHENSIVE FEEDBACK**
[54] **COMMANDE DE THERAPIE PAR RETROACTION COMPLETE**
[72] HEIDE, ALEXANDER, DE
[72] FISCHER, KARSTEN, DE
[72] MERCHANT, STEVE, US
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[54] **NOVEL SULFONAMIDE CARBOXAMIDE COMPOUNDS**
[54] **NOUVEAUX COMPOSES DE SULFONAMIDE CARBOXAMIDE**
[72] COOPER, MATTHEW, GB
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] VAN WILTENBURG, JIMMY, NL
[72] THOM, STEPHEN, GB
[72] ST-GALLAY, STEPHEN, GB
[72] SHANNON, JONATHAN, GB
[71] INFLAZOME LIMITED, IE
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[25] FR
[54] **ROLLING ASSEMBLY HAVING A RIM, THE FLANGE OF WHICH FORMS A SUPPORT OF INCREASED AXIAL WIDTH**
[54] **ENSEMBLE ROULANT COMPORTANT UNE JANTE DONT LE REBORD FORME UN SUPPORT DE LARGEUR AXIALE ETENDUE**
[72] WALSER, DANIEL, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] MAXION WHEELS U.S.A. LLC, US
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[25] FR
[54] **BIODEGRADABLE PACKAGING, METHOD FOR MANUFACTURING SAME AND USES THEREOF**
[54] **EMBALLAGE BIODEGRADABLE, SON PROCEDE DE FABRICATION ET SES UTILISATIONS**
[72] PLUQUET, VINCENT, FR
[72] BEAUVAIS, GUILLAUME, FR
[72] GARREAU, XAVIER, FR
[71] VEGEPLAST, FR
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[54] **METHOD FOR MANUFACTURING AN INSULATION PRODUCT MADE FROM MINERAL FIBRES**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT D'ISOLATION A BASE DE FIBRES MINERALES**
[72] SALOMON, PIERRE, FR
[72] AZEVEDO, JOEL, FR
[72] JAFFRENNOU, BORIS, FR
[71] SAINT-GOBAIN ISOVER, FR
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[54] **A METHOD FOR MEASURING DISINTEGRATION OF A FIBROUS PRODUCT**
[54] **PROCEDE PERMETTANT DE MESURER LA DESINTEGRATION D'UN PRODUIT FIBREUX**
[72] CAMPBELL, CLAYTON, US
[72] RISER, JENNIFER, US
[72] WITTICH, KRISTIN, US
[72] ZIMMERMANN, FRANK, US
[71] KEMIRA OYJ, FI
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[72] SKORINA, TAISIYA, US
[72] EVERMAN, REBECCA L. A., US
[72] TANGEMAN, JEAN A., US
[72] BUDD, KENTON D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **USE OF ANTI-FAM19A5 ANTIBODIES FOR TREATING CANCERS**
[54] **UTILISATION D'ANTICORPS ANTI-FAM19A5 POUR LE TRAITEMENT DE CANCERS**
[72] KIM, BONGCHEOL, KR
[72] CHO, EUN BEE, KR
[72] KIM, DONG SIK, KR
[72] LEE, JAE-KEUN, KR
[72] KWON, SOON-GU, KR
[72] SEONG, JAE YOUNG, KR
[72] SHIM, JUWON, KR
[72] KIM, TAE WOO, KR
[72] KANG, SHIN-HYUK, KR
[71] NEURACLE SCIENCE CO., LTD., KR
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[25] EN
[54] **SYSTEMS AND METHODS FOR DISPLAYING AND INTERACTING WITH A DYNAMIC REAL-WORLD ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES D'AFFICHAGE ET D'INTERACTION AVEC UN ENVIRONNEMENT DE MONDE REEL DYNAMIQUE**
[72] CLEMENT, RONALD DALE, US
[72] CLEMENT, ELAINE TERESE, US
[71] NEARME AR, LLC, US
[85] 2019-11-29
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[25] EN
[54] **METHODS FOR ACCURATE COMPUTATIONAL DECOMPOSITION OF DNA MIXTURES FROM CONTRIBUTORS OF UNKNOWN GENOTYPES**
[54] **PROCEDES DE DECOMPOSITION COMPUTATIONNELLE PRECISE DE MELANGES D'ADN A PARTIR DE CONTRIBUTEURS DE GENOTYPES INCONNUS**
[72] SCHEFFLER, KONRAD, US
[72] SCHLESINGER, JOHANN FELIX, US
[72] KELLEY, RYAN, US
[71] ILLUMINA, INC., US
[85] 2019-11-29
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[25] EN
[54] **METHODS AND SYSTEMS FOR DECOMPOSITION AND QUANTIFICATION OF DNA MIXTURES FROM MULTIPLE CONTRIBUTORS OF KNOWN OR UNKNOWN GENOTYPES**
[54] **PROCEDES ET SYSTEMES DE DECOMPOSITION ET DE QUANTIFICATION DE MELANGES D'ADN PROVENANT DE MULTIPLES CONTRIBUTEURS AYANT DES GENOTYPES CONNUS OU INCONNUS**
[72] LI, YONG, US
[72] BRUAND, JOCELYNE, US
[72] KELLEY, RYAN, US
[72] LEE, CHIH, US
[72] SCHEFFLER, KONRAD, US
[71] ILLUMINA, INC., US
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[54] **SEQUENCE-DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE SEQUENCE**
[72] MANDELL, JEFFREY G., US
[72] GUNDERSON, KEVIN L., US
[72] KEEHAN, MICHAEL GREGORY, US
[72] GARCIA, ERIN CHRISTINE, US
[72] GUNDLACH, JENS H., US
[71] ILLUMINA, INC., US
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[54] **TECHNIQUES D'INDEXATION D'ACIDE NUCLEIQUE**
[72] VIECELI, JOHN S., US
[72] KELLEY, RYAN MATTHEW, US
[71] ILLUMINA, INC., US
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[54] **SYSTEMS AND METHODS FOR DETERMINING MICROSATELLITE INSTABILITY**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'UNE INSTABILITE DE MICROSATELLITE**
[72] ZHANG, SHILE, US
[72] SO, ALEX S., US
[72] KAPLAN, SHANNON, US
[72] KRUGLYAK, KRISTINA M., US
[72] BILKE, SVEN, US
[71] ILLUMINA, INC., US
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[30] US (62/587,350) 2017-11-16
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[72] DE GRAAF, PIETER MARCEL, NL
[72] MENZO, WILLEM ANNE THEODOOR, NL
[72] JOHANNES, JOSEPH, NL
[72] VAN GIJSSEL, JORN ALBERT, NL
[71] MAARS HOLDING B.V., NL
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[30] NL (2019042) 2017-06-09

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[54] **TWO-FILTER LIGHT DETECTION DEVICES AND METHODS RELATED TO SAME**
[54] **DISPOSITIFS DE DETECTION DE LUMIERE A DEUX FILTRES ET PROCEDES ASSOCIES**
[72] CAI, XIUYU, US
[71] ILLUMINA, INC., US
[85] 2019-11-29
[86] 2018-11-20 (PCT/US2018/062019)
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[30] US (62/609,903) 2017-12-22
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[54] **VALIDATION METHODS AND SYSTEMS FOR SEQUENCE VARIANT CALLS**
[54] **PROCEDES ET SYSTEMES DE VALIDATION POUR APPELS DE VARIANTES DE SEQUENCES**
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[72] ZHAO, CHEN, US
[71] ILLUMINA, INC., US
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[30] US (62/593,095) 2017-11-30

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[51] **Int.Cl. G01N 35/08 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **FLOW CELL WITH INTEGRATED MANIFOLD**
[54] **CELLULE D'ECOULEMENT A COLLECTEUR INTEGRE**
[72] LIN, SZ-CHIN, US
[72] TAYLOR, JAY, US
[72] RHEE, MINSOUNG, US
[72] FOLEY, JENNIFER, US
[72] COX-MURANAMI, WESLEY, US
[72] DELATTRE, CYRIL, US
[72] KHURANA, TARUN, US
[72] CRIVELLI, PAUL, US
[71] ILLUMINA, INC., US
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[54] **SYSTEME ET PROCEDE DE MISE EN □UVRE D'UN RESEAU D'INFORMATION INTERBANCAIRE**
[72] HUNTER, JOHN CORWIN, US
[72] PATEL, PALKA S., US
[72] SANT'ANNA, LUCIANNE, US
[72] LIM, LETICIA PUI SZE, US
[72] WAN, TIFFANY ASHLEY, US
[72] AQUINO, ELIZABETH POLANCO, US
[72] FALAH, SAMER, US
[72] UPADHYAY, SUDHIR, US
[72] MOVVA, TULASI, US
[72] SHETTY, SURESH, US
[71] JPMORGAN CHASE BANK, N.A., US
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[54] **DRIVER TOOL AND METHOD**
[54] **TOURNEVIS ET PROCEDE**
[72] GOODWIN, JR., ROBERT A., US
[72] GEPHART, MATTHEW P., US
[71] A&E ADVANCED CLOSURE SYSTEMS, LLC, US
[85] 2019-12-13
[86] 2018-06-25 (PCT/US2018/039270)
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[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0484 (2013.01) A61G 5/04 (2013.01)**
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[54] **METHODS AND SYSTEMS FOR CONFIGURATION OF A TOUCH SCREEN OF A WHEELCHAIR ON THE BASIS OF THE USER'S DISEASE STATE**
[54] **PROCEDES ET SYSTEMES DE CONFIGURATION D'UN ECRAN TACTILE D'UN FAUTEUIL ROULANT SUR LA BASE DE L'ETAT PATHOLOGIQUE DE L'UTILISATEUR**
[72] VERKAAIK, JULIAN, US
[72] MARSHALL, CHAD, NZ
[71] INVACARE CORPORATION, US
[85] 2019-12-13
[86] 2018-06-25 (PCT/US2018/039314)
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[54] **MOUNT**
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[72] OETLINGER, FRANK E., US
[71] BLANKING SYSTEMS, INC., US
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[86] 2018-06-27 (PCT/US2018/039742)
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[54] **DELAYED FIN DEPLOYMENT WIPER PLUG**
[54] **BOUCHON D'ESSUIE-TIGES A DEPLOIEMENT D'AILETTE RETARDE**
[72] NANNEY, JAMES G., US
[72] WHITE, MATTHEW L., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2019-12-13
[86] 2018-07-12 (PCT/US2018/041803)
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[51] **Int.Cl. H04W 74/08 (2009.01)**
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[54] **METHODS AND APPARATUS FOR ENHANCED INFORMATION REPORTING USING COVERAGE ENHANCEMENT LEVEL**
[54] **PROCEDES ET APPAREIL PERMETTANT D'AMELIORER LES INFORMATIONS DE SUIVI EN UTILISANT UN NIVEAU DE COUVERTURE ETENDU**
[72] VEERAMALLU, SUBRAHMANYA MANIKANTA, US
[72] PHUYAL, UMESH, US
[72] RICO ALVARINO, ALBERTO, US
[72] KONA, PRAVEEN, US
[72] DHANDA, MUNGAL SINGH, US
[72] VODNALA, SRIHARI, US
[71] QUALCOMM INCORPORATED, US
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **CHARGE-TAGGED NUCLEOTIDES AND METHODS OF USE THEREOF**
[54] **NUCLEOTIDES MARQUES PAR UNE CHARGE ET LEURS PROCEDES D'UTILISATION**
[72] MANDELL, JEFFREY, US
[72] GRAVINA, SILVIA, US
[72] PEISAJOVICH, SERGIO, US
[72] PUGLIESE, KAITLIN, US
[72] TEO, YIN NAH, SG
[72] YANG, XIANGYUAN, SG
[71] ILLUMINA, INC., US
[71] ILLUMINA SINGAPORE PTE. LTD., SG
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR CHEMICAL CLEAVAGE AND DEPROTECTION OF SURFACE-BOUND OLIGONUCLEOTIDES**
[54] **COMPOSITIONS, PROCEDES DE CLIVAGE CHIMIQUE ET PROCEDES DE DEPROTECTION D'OLIGONUCLEOTIDES LIES A UNE SURFACE**
[72] WU, XIAOLIN, GB
[72] SMITH, RANDALL, US
[72] SHIEH, PEYTON, US
[72] BEIERLE, JOHN M., US
[72] GEORGE, WAYNE N., GB
[72] LAWRENCE, ELLIOT JOHN, GB
[72] MAO, JIE, US
[72] LIU, XIAOHAI, GB
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **HIGH-THROUGHPUT SINGLE-CELL SEQUENCING WITH REDUCED AMPLIFICATION BIAS**
[54] **SEQUENCAGE DE CELLULES UNIQUES A HAUT DEBIT AVEC BIAIS D'AMPLIFICATION REDUIT**
[72] SHENDURE, JAY, US
[72] YIN, YI, US
[72] STEEMERS, FRANK J., US
[71] ILLUMINA, INC., US
[71] UNIVERSITY OF WASHINGTON, US
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[25] EN
[54] **A COMPOSITE MIXTURE COMPRISING CANNABIS SATIVA**
[54] **MELANGE COMPOSITE COMPRENANT DU CANNABIS SATIVA**
[72] BEDNARIK, FRANTISEK, CZ
[71] BEDNARIK, FRANTISEK, CZ
[85] 2019-12-16
[86] 2018-06-15 (PCT/CZ2018/000029)
[87] (WO2018/228616)
[30] CZ (PV2017-344) 2017-06-16

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[51] **Int.Cl. D06F 95/00 (2006.01) A41D 15/04 (2006.01)**
[25] EN
[54] **TEXTILE PRODUCT HAVING AN INTEGRATED LAUNDRY BAG**
[54] **PRODUIT TEXTILE A SAC A LINGE INTEGRE**
[72] NOLTE, ALEXANDER, DE
[72] SPIES, OLIVER, DE
[71] NOLTE, ALEXANDER, DE
[85] 2019-12-16
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[25] EN
[54] **CHARGING STATION**
[54] **STATION DE CHARGEMENT**
[72] STEFAN, HELNERUS, DE
[72] WAFFNER, JURGEN, DE
[71] INNOGY SE, DE
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[86] 2018-03-27 (PCT/EP2018/057756)
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[51] **Int.Cl. F42B 1/032 (2006.01) E21B 43/117 (2006.01) F42B 1/036 (2006.01)**
[25] EN
[54] **SHAPED CHARGE LINER, METHOD OF MAKING SAME, AND SHAPED CHARGE INCORPORATING SAME**
[54] **REVETEMENT DE CHARGE CREUSE, PROCEDE POUR SA FABRICATION ET CHARGE CREUSE L'INCORPORANT**
[72] LOEHKEN, JOERN OLAF, DE
[72] MONTENEGRO, FRANCISCO, DE
[71] DYNAENERGETICS GMBH & CO. KG, DE
[85] 2019-12-16
[86] 2018-06-01 (PCT/EP2018/064473)
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[51] **Int.Cl. A61N 1/32 (2006.01) A61N 2/02 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING ELECTRICAL, MAGNETIC AND/OR ELECTROMAGNETIC SIGNALS FOR TREATING THE HUMAN BODY, AND METHOD FOR OPERATING SUCH A DEVICE**
[54] **DISPOSITIF POUR PRODUIRE DES SIGNAUX ELECTRIQUES, MAGNETIQUES ET/OU ELECTROMAGNETIQUES DESTINES A TRAITER LE CORPS HUMAIN ET PROCEDE POUR FAIRE FONCTIONNER UN TEL DISPOSITIF**
[72] SCHMIEKE, MARCUS, DE
[72] HILBURG, ANDREAS, DE
[72] KRZIZAN, MATTHIAS, DE
[71] HEALY INTERNATIONAL AG, DE
[85] 2019-12-16
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[51] **Int.Cl. C10G 9/18 (2006.01) C10G 9/00 (2006.01) C10G 9/36 (2006.01)**
[25] EN
[54] **CRACKING FURNACE SYSTEM AND METHOD FOR CRACKING HYDROCARBON FEEDSTOCK THEREIN**
[54] **SYSTEME DE FOUR DE CRAQUAGE ET PROCEDE DE CRAQUAGE D'UNE CHARGE D'HYDROCARBURE EN SON SEIN**
[72] OUD, PETER, NL
[71] TECHNIP FRANCE, FR
[85] 2019-12-16
[86] 2018-06-15 (PCT/EP2018/065998)
[87] (WO2018/229267)
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[51] **Int.Cl. C01B 23/00 (2006.01) C01B 21/26 (2006.01) F25J 3/02 (2006.01)**
[25] EN
[54] **PROCESS FOR ARGON AND NITROGEN PRODUCTION**
[54] **PROCEDE DE PRODUCTION D'ARGON ET D'AZOTE**
[72] COLMEGNA, GIACOMO, CH
[71] CASALE SA, CH
[85] 2019-12-16
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[51] **Int.Cl. C12N 15/52 (2006.01) C12P 17/18 (2006.01)**
[25] EN
[54] **DEMETHYLATION OF RETICULINE AND DERIVATIVES THEREOF WITH FUNGAL CYTOCHROME P450**
[54] **DEMETHYLATION DE RETICULINE ET DE SES DERIVES AVEC UN CYTOCHROME P450 FONGIQUE**
[72] SCHWAB, MARKUS, CH
[72] MALCA, SUMIRE HONDA, CH
[72] BERNINGER, PHILIPP FRIEDRICH, CH
[72] HEAL, JON RICHARD, CH
[72] SHERIDAN, JOSEPH MICHAEL, CH
[72] RECORDA, LAURA TATJER, DK
[72] KANNANGARA, RUBINI MAYA, DK
[72] HANSEN, ESBEN HALKJAER, DK
[72] RIBEIRO DE CARVALHO, ANGELA MANUELA, DK
[71] RIVER STONE BIOTECH APS, DK
[85] 2019-12-16
[86] 2018-06-18 (PCT/EP2018/066155)
[87] (WO2018/229306)
[30] DK (PA 2017 70473) 2017-06-16

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[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **DOSING SYSTEM FOR A NEBULIZER**
[54] **SYSTEME DE DOSAGE POUR UN NEBULISEUR**
[72] GOODWIN, PAUL, GB
[72] MELINIOTIS, ANDREAS MARK, GB
[72] CLARKE, ROGER WILLIAM, GB
[72] KOLB, TOBIAS, DE
[71] VECTURA DELIVERY DEVICES LIMITED, GB
[85] 2019-12-16
[86] 2018-06-19 (PCT/EP2018/066296)
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[30] EP (17177225.4) 2017-06-21

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[51] **Int.Cl. B65D 75/66 (2006.01) B65D 85/10 (2006.01)**
[25] EN
[54] **WRAPPED CONTAINER**
[54] **RECIPIENT ENVELOPPE**
[72] TRITZ, FRANZ-JOSEF, DE
[72] WINKEL, JURGEN, DE
[71] JT INTERNATIONAL SA, CH
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[51] **Int.Cl. C12N 5/078 (2010.01)**
[25] EN
[54] **IMMUNE CELLS DEFECTIVE FOR SUV39H1**
[54] **CELLULES IMMUNITAIRES DEFECTUEUSES VIS-A-VIS DE SUV39H1**
[72] AMIGORENA, SEBASTIAN, FR
[72] PIAGGIO, ELIANE, FR
[72] GOUDOT, CHRISTEL, FR
[72] PACE, LUIGIA, IT
[72] ALMOUZNI, GENEVIEVE, FR
[71] INSTITUT CURIE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[85] 2019-12-16
[86] 2018-06-20 (PCT/EP2018/066387)
[87] (WO2018/234370)
[30] EP (17305757.1) 2017-06-20

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[13] A1
[51] **Int.Cl. C12N 5/0797 (2010.01) C12N 5/079 (2010.01) C12N 5/0793 (2010.01)**
[25] EN
[54] **NOVEL METHODS FOR THE GENERATION AND USE OF HUMAN INDUCED NEURAL BORDER STEM CELLS**
[54] **NOUVEAUX PROCEDES POUR LA GENERATION ET L'UTILISATION DE CELLULES SOUCHES NEURALES NEURONALES INDUITES HUMAINES**
[72] TRUMPP, ANDREAS, DE
[72] EDENHOFER, FRANK, DE
[72] THIER, MARC, DE
[72] HOMMERDING, OLIVER, DE
[71] HI-STEM GGMBH, DE
[85] 2019-12-16
[86] 2018-06-21 (PCT/EP2018/066646)
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[51] **Int.Cl. B01D 15/36 (2006.01) B01J 43/00 (2006.01) C07C 51/47 (2006.01) C07C 59/105 (2006.01) C07C 59/285 (2006.01) G01N 30/02 (2006.01)**
[25] EN
[54] **PROCESS FOR SEPARATION AND PURIFICATION OF A DICARBOXYLIC ACID CONTAINING MIXTURE**
[54] **PROCESSUS DE SEPARATION ET DE PURIFICATION D'UN MELANGE CONTENANT DE L'ACIDE DICARBOXYLIQUE**
[72] ANKLAM, PAM, US
[72] HOFFMAN, WILLIAM CHRIS, US
[72] SCHULTZ, MITCHELL, US
[72] SOPER, JOHN G., US
[71] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2019-12-16
[86] 2018-06-20 (PCT/US2018/038418)
[87] (WO2018/236950)
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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/178 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION**
[72] CHAGNON, ANDREA, CA
[72] CLOUTIER, SYLVAIN, CA
[72] HAMEL, SIMON, CA
[71] DUOJECT MEDICAL SYSTEMS INC., CA
[85] 2019-12-16
[86] 2018-06-19 (PCT/CA2018/000124)
[87] (WO2018/232489)
[30] CA (2,971,263) 2017-06-19

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[51] **Int.Cl. C07K 14/315 (2006.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) C07K 19/00 (2006.01) C12N 7/04 (2006.01)**
[25] EN
[54] **NANONETS AND SPHERICAL PARTICLES**
[54] **NANORESEAUX ET PARTICULES SPHERIQUES**
[72] LOVE, ANDREW JOHN, GB
[72] TALIANSKI, MIKHAIL EMMANUILOVICH, GB
[72] MCGEACHY, KARA, GB
[71] THE JAMES HUTTON INSTITUTE, GB
[85] 2019-11-29
[86] 2018-05-31 (PCT/GB2018/051495)
[87] (WO2018/220386)
[30] GB (1708675.2) 2017-05-31

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[13] A1
[51] **Int.Cl. A61B 3/024 (2006.01) A61B 3/107 (2006.01) A61B 3/16 (2006.01)**
[25] EN
[54] **DEVICE AND METHODS FOR MONITORING A VISUAL FIELD PROGRESSION OF A USER**
[54] **DISPOSITIF ET PROCEDES DE SUIVI D'UNE PROGRESSION DE CHAMP VISUEL D'UN UTILISATEUR**
[72] SCHLUND, MARIO, CH
[72] VARIDEL, THIERRY, CH
[72] FRITSCHI, RAPHAEL, CH
[72] DE MORAES, CARLOS GUSTAVO, US
[71] SENSIMED SA, CH
[85] 2019-12-16
[86] 2017-06-14 (PCT/EP2017/064628)
[87] (WO2018/228690)

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[13] A1
[51] **Int.Cl. C08G 73/04 (2006.01) A61K 47/69 (2017.01) A61K 9/14 (2006.01) A61K 47/34 (2017.01) C07J 41/00 (2006.01) C12N 15/11 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **TRANSFECTION REAGENTS FOR DELIVERY OF NUCLEIC ACIDS**
[54] **REACTIFS DE TRANSFECTION POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] KC, REMANT BAHADUR, CA
[72] ULUDAG, HASAN, CA
[72] VALENCIA-SERNA, JULIANA, CA
[71] RJH BIOSCIENCES INC., CA
[85] 2019-12-16
[86] 2018-06-18 (PCT/CA2018/050737)
[87] (WO2018/232502)
[30] US (62/522,448) 2017-06-20

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[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AGENT FOR PREVENTING OR TREATING BRAIN ATROPHY**
[54] **AGENT DE PREVENTION OU DE TRAITEMENT DE L'ATROPHIE CEREBRALE**
[72] KOBAYASHI, HIROSHI, JP
[72] MATSUMOTO, YOSHIHIKO, JP
[71] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
[85] 2019-11-29
[86] 2018-06-01 (PCT/JP2018/021223)
[87] (WO2018/221729)
[30] JP (2017-109885) 2017-06-02
[30] JP (2017-128472) 2017-06-30
[30] JP (2017-145100) 2017-07-27

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/55 (2017.01) A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES COMPRISING TARGETED THERAPEUTICS**
[54] **POLYTHERAPIES COMPRENANT DES AGENTS THERAPEUTIQUES CIBLES**
[72] WOOSTER, RICHARD, US
[72] WHALEN, KERRY, US
[72] SIMCOX, MARY, US
[72] ALLAND, LEILA, US
[72] BILODEAU, MARK T., US
[72] KADIYALA, SUDHAKAR, US
[72] PERINO, SAMANTHA, US
[71] TARVEDA THERAPEUTICS, INC., US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038177)
[87] (WO2018/236796)
[30] US (62/522,323) 2017-06-20
[30] US (62/679,224) 2018-06-01

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[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AGENT FOR PREVENTING OR TREATING SPINOCEREBELLAR ATAXIA**
[54] **AGENT DE PREVENTION OU DE TRAITEMENT DE L'ATAXIE SPINOCEREBELLEUSE**
[72] KOBAYASHI, HIROSHI, JP
[72] MATSUMOTO, YOSHIHIKO, JP
[72] OKUDA, TOMOHIRO, JP
[71] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
[85] 2019-11-29
[86] 2018-06-01 (PCT/JP2018/021224)
[87] (WO2018/221730)
[30] JP (2017-109885) 2017-06-02
[30] JP (2017-128472) 2017-06-30
[30] JP (2017-145101) 2017-07-27

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[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AGENT FOR PREVENTING OR TREATING TAUOPATHY**
[54] **AGENT POUR PREVENIR OU TRAITER UNE TAUOPATHIE**
[72] KOBAYASHI, HIROSHI, JP
[72] MATSUMOTO, YOSHIHIKO, JP
[71] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
[85] 2019-11-29
[86] 2018-06-01 (PCT/JP2018/021225)
[87] (WO2018/221731)
[30] JP (2017-109886) 2017-06-02
[30] JP (2017-128473) 2017-06-30

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01) A61K 47/54 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TARGETED THERAPEUTICS**
[54] **THERAPIES CIBLEES**
[72] ALLAND, LEILA, US
[72] SEARS, CHRISTOPHER, US
[72] SHINDE, RAJESH R., US
[72] SWERYDA-KRAWIEC, BEATA, US
[72] AU YEUNG, TSUN P., US
[72] BILODEAU, MARK T., US
[72] KADIYALA, SUDHAKAR, US
[72] ZHOROV, EUGENE, US
[72] WOOSTER, RICHARD, US
[71] TARVEDA THERAPEUTICS, INC., US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038174)
[87] (WO2018/236793)
[30] US (62/522,316) 2017-06-20
[30] US (62/642,154) 2018-03-13

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[51] **Int.Cl. A61K 31/397 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AGENT FOR REDUCING AMOUNT OF AMYLOID .BETA. PROTEIN**
[54] **AGENT DESTINE A FAIRE BAISSER LE TAUX DE LA PROTEINE .BETA.-AMYLOIDE**
[72] KOBAYASHI, HIROSHI, JP
[72] MATSUMOTO, YOSHIHIKO, JP
[71] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
[85] 2019-11-29
[86] 2018-06-01 (PCT/JP2018/021226)
[87] (WO2018/221732)
[30] JP (2017-109886) 2017-06-02
[30] JP (2017-128474) 2017-06-30

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **DEXTEROUS 4-DOF SURGICAL TOOL FOR COMPACT ARTICULATION**
[54] **OUTIL CHIRURGICAL AGILE 4-DOF POUR ARTICULATION COMPACTE**
[72] DILLER, ERIC, CA
[72] DRAKE, JAMES, CA
[72] FISHER, DAVID, CA
[72] FORREST, CHRISTOPHER, CA
[72] LOOI, THOMAS, CA
[72] PODOLSKY, DALE J., CA
[72] WONG, KAREN, CA
[72] WU, GLORIA, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2019-12-16
[86] 2018-06-26 (PCT/CA2018/050789)
[87] (WO2019/000090)
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[51] **Int.Cl. A01N 65/00 (2009.01) A01N 65/08 (2009.01) A01P 15/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR FIGHTING XYLLELA FASTIDIOSA BACTERIUM**
[54] **USE OF AN EXTRACT OF PART OF A ROCKET PLANT FOR STIMULATING THE DEFENSES OF PLANTS AND TREES AND ASSOCIATED COMPOSITION AND METHOD**
[72] MARTINEZ-BARBREAU, CHRISTELLE, FR
[71] MARTINEZ-BARBREAU, CHRISTELLE, FR
[85] 2019-12-16
[86] 2018-06-19 (PCT/FR2018/051473)
[87] (WO2018/234690)
[30] EP (17176535.7) 2017-06-19
[30] FR (1755569) 2017-06-19
[30] FR (1755574) 2017-06-19
[30] FR (1755576) 2017-06-19
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[25] EN
[54] **COMBINATION THERAPIES COMPRISING TARGETED THERAPEUTICS**
[54] **THERAPIES COMBINEES COMPRENANT DES THERAPEUTIQUES CIBLEES**
[72] YING, WEIWEN, US
[72] CHIMMANAMADA, DINESH U., US
[72] PROIA, DAVID, US
[71] MADRIGAL PHARMACEUTICALS, INC., US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038172)
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[30] US (62/522,306) 2017-06-20

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[51] **Int.Cl. A23F 5/02 (2006.01) A23F 5/08 (2006.01) A23F 5/26 (2006.01) A23F 5/48 (2006.01)**
[25] EN
[54] **COFFEE CHERRY PROCESSING METHODS AND EXTRACTION PRODUCTS OBTAINED BY THE SAME**
[54] **PROCEDES DE TRAITEMENT ET PRODUITS D'EXTRACTION DE CERISES DE CAFE OBTENUS PAR CEUX-CI**
[72] LAUX, ROLAND, CH
[72] HUHN, TILO, CH
[71] MASTERCOLDBREWER AG, CH
[85] 2019-12-16
[86] 2018-06-22 (PCT/EP2018/066721)
[87] (WO2018/234528)
[30] EP (17001068.0) 2017-06-22

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[51] **Int.Cl. G01F 1/66 (2006.01) G01P 5/24 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING A SPEED OF A FLUID**
[54] **PROCEDE DE MESURE D'UNE VITESSE D'UN FLUIDE**
[72] TEBOULLE, HENRI, FR
[71] SAGEMCOM ENERGY & TELECOM SAS, FR
[85] 2019-12-16
[86] 2018-06-22 (PCT/EP2018/066810)
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[30] FR (1755910) 2017-06-27

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[13] A1
[51] **Int.Cl. H04W 68/02 (2009.01)**
[25] EN
[54] **PAGING METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE RADIOMESSAGERIE, DISPOSITIF RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-16
[86] 2017-06-14 (PCT/CN2017/088318)
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[51] **Int.Cl. B31D 5/00 (2017.01) B26D 1/08 (2006.01) B26D 5/20 (2006.01) B26D 7/14 (2006.01)**
[25] EN
[54] **DUNNAGE CONVERSION MACHINE AND METHOD**
[54] **MACHINE ET PROCEDE DE CONVERSION DE FARDAGE**
[72] CORBIN, DOUGLAS C., US
[72] STEIMLE, MICHAEL A., US
[72] PARK, KEVIN, US
[71] RANPAK CORP., US
[85] 2019-12-16
[86] 2018-07-19 (PCT/US2018/042821)
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[30] US (62/536,463) 2017-07-25

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[51] **Int.Cl. F24F 13/32 (2006.01) F24F 1/02 (2019.01)**
[25] EN
[54] **WINDOW AIR CONDITIONER**
[54] **CLIMATISEUR DE FENETRE**
[72] YU, HUI, CN
[72] HUANG, YUANSHUN, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2019-11-29
[86] 2019-01-25 (PCT/CN2019/073166)
[87] (WO2019/169969)
[30] CN (201820301650.3) 2018-03-05
[30] CN (201820301648.6) 2018-03-05
[30] CN (201820301081.2) 2018-03-05
[30] CN (201820302085.2) 2018-03-05

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[13] A1
[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **COMMUNICATION APPARATUS, METHOD AND COMPUTER PROGRAM**
[54] **APPAREIL DE COMMUNICATION, PROCEDE ET PROGRAMME INFORMATIQUE**
[72] TURTINEN, SAMULI, FI
[72] SEBIRE, BENOIST, JP
[72] WU, CHUNLI, FI
[72] DU, LEI, FI
[72] MALKAMAKI, ESA, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2019-12-16
[86] 2017-06-16 (PCT/CN2017/088801)
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[51] **Int.Cl. E05D 15/46 (2006.01)**
[25] EN
[54] **FLAP FITTING AND ITEM OF FURNITURE**
[54] **FERRURE D'ABATTANT ET MEUBLE**
[72] SOBOLEWSKI, UWE, DE
[72] ANDSCHUS, STEFAN, DE
[72] TASCHE, MICHAEL, DE
[72] SCHAEL, OLIVER, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
[85] 2019-12-16
[86] 2018-06-26 (PCT/EP2018/067147)
[87] (WO2019/007760)
[30] DE (10 2017 114 772.1) 2017-07-03

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[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] LIU, JIANHUA, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-16
[86] 2017-06-16 (PCT/CN2017/088807)
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[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **TIME SLOT INDICATION METHOD, TERMINAL DEVICE, NETWORK DEVICE AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE D'INDICATION D'INTERVALLE DE TEMPS, DISPOSITIF TERMINAL, DISPOSITIF RESEAU ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] SHEN, JIA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-16
[86] 2017-11-16 (PCT/CN2017/111364)
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[51] **Int.Cl. C09D 4/00 (2006.01) C08F 265/04 (2006.01) C09D 151/00 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF POLYMERIC PARTICLES HAVING CORE-SHELL STRUCTURE, THE PREPARATION THEREOF AND THE COATING FORMED THEREFROM**
[54] **DISPERSION AQUEUSE DE PARTICULES POLYMERES AYANT UNE STRUCTURE C□UR-COQUE, SA PREPARATION ET REVETEMENT FORME A PARTIR DE CELLE-CI**
[72] CHEN, XIAORUI, CN
[72] DUAN, GANG, US
[72] ZHAO, XI, CN
[71] SWIMC LLC, US
[85] 2019-12-16
[86] 2018-06-21 (PCT/US2018/038708)
[87] (WO2018/237118)
[30] CN (201710475589.4) 2017-06-21

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[13] A1
[51] **Int.Cl. H04W 24/00 (2009.01)**
[25] EN
[54] **CHANNEL RESOURCE SET INDICATION METHOD AND DEVICE, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF D'INDICATION D'ENSEMBLE DE RESSOURCES DE CANAL, ET SUPPORT D'ENREGISTREMENT INFORMATIQUE**
[72] SHEN, JIA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-16
[86] 2017-12-15 (PCT/CN2017/116497)
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[51] **Int.Cl. H04W 80/02 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TRANSMITTING DATA**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-16
[86] 2018-02-23 (PCT/CN2018/077052)
[87] (WO2018/227994)
[30] CN (PCT/CN2017/088515) 2017-06-15

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[51] **Int.Cl. A61K 31/554 (2006.01)**
[25] EN
[54] **USE OF AMINOALKYLBENZOTHIAZEPINE DERIVATIVES**
[54] **UTILISATION DE DERIVES AMINOALKYLBENZOTHIAZEPINE**
[72] JUN, HYUNGJIN, KR
[72] KI, SO YOUNG, KR
[72] LEE, KEUNHO, KR
[72] JUNG, JIN WOO, KR
[72] KIM, DONG HYUN, KR
[72] PARK, CHI HYE, KR
[72] BAK, HYOUNG ROK, KR
[72] RYU, SHIN-YOUNG, KR
[72] LEE, JU HYUN, KR
[72] LEE, HO-YOUL, KR
[72] JUNG, WON-HYUK, KR
[72] KO, DONG HYUN, KR
[72] KIM, SEUNGIN, KR
[72] BYUN, JOONSEOK, KR
[72] YOO, JAE HO, KR
[72] JI, SEUNGHEE, KR
[71] CJ HEALTHCARE CORPORATION, KR
[85] 2019-11-29
[86] 2018-07-20 (PCT/KR2018/008211)
[87] (WO2019/017724)
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[51] **Int.Cl. H01Q 1/44 (2006.01) H01Q 5/20 (2015.01)**
[25] EN
[54] **ANTENNA AND MOBILE TERMINAL**
[54] **ANTENNE ET TERMINAL MOBILE**
[72] ZHOU, DAWEI, CN
[72] LI, YUANPENG, CN
[72] LIANG, TIEZHU, CN
[72] ZHANG, GONGLEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-16
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[87] (WO2019/227914)
[30] CN (201810554555.9) 2018-06-01

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[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **AL- ZN-CU-MG ALLOYS AND THEIR MANUFACTURING PROCESS**
[54] **ALLIAGES AL-ZN-CU-MG ET LEUR PROCEDE DE FABRICATION**
[72] WHELCHEL, RICKY, FR
[72] NIZERY, EREMBERT, FR
[72] KOSCHEL, DIANA, FR
[72] EHRSTROM, JEAN-CHRISTOPHE, FR
[72] ARBAB, ALIREZA, FR
[71] CONSTELLIUM ISSOIRE, FR
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[86] 2018-06-28 (PCT/EP2018/067492)
[87] (WO2019/007817)
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[51] **Int.Cl. A61B 5/145 (2006.01) A61M 1/34 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIALYZER EVALUATION**
[54] **SYSTEME ET PROCEDE POUR L'EVALUATION D'UN DIALYSEUR**
[72] BARRETT, LOUIS LEEGRANDE, US
[72] HO, CHIH-HU, US
[72] STROUP, ERIC, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2019-12-16
[86] 2018-09-13 (PCT/US2018/050797)
[87] (WO2019/067222)
[30] US (15/720,642) 2017-09-29

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[13] A1
[51] **Int.Cl. C10L 1/08 (2006.01) C10L 10/04 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **USE OF A PARAFFINIC GASOIL**
[54] **UTILISATION D'UN GAZOLE PARAFFINIQUE**
[72] GEE, MICHAEL, GB
[72] CLARK, RICHARD HUGH, GB
[72] WILLIAMS, RODNEY GLYN, GB
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[87] (WO2019/007857)
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[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/01 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN ARTIFICIAL GINGIVA**
[54] **PROCEDE DE FABRICATION D'UNE GENCIVE ARTIFICIELLE**
[72] SENN, MARC, CH
[72] OSKAM, THOMAS, CH
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2019-12-16
[86] 2018-07-03 (PCT/EP2018/067983)
[87] (WO2019/007976)
[30] DE (10 2017 211 249.2) 2017-07-03

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[51] **Int.Cl. G02F 1/03 (2006.01) G02B 7/00 (2006.01) H01S 3/107 (2006.01)**
[25] EN
[54] **ELECTRO-OPTIC MODULATOR**
[54] **MODULATEUR ELECTRO-OPTIQUE**
[72] MAKER, GARETH THOMAS, GB
[72] MALCOLM, GRAEME PETER ALEXANDER, GB
[72] MUNRO, SIMON, GB
[71] M SQUARED LASERS LIMITED, GB
[85] 2019-12-16
[86] 2018-06-13 (PCT/GB2018/051621)
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[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/4439 (2006.01) A61P 25/08 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF N-[1-(5-CYANO-PYRIDIN-2-YLMETHYL)-1 H-PYRAZOL-3-YL]-2-[4-(1-TRIFLUOROMETHYL-CYCLOPROPYL)-PHENYL]-ACETAMIDE**
[54] **FORME CRISTALLINE DE N-[1-(5-CYANO-PYRIDIN-2-YLMETHYL)-1H-PYRAZOL-3-YL]-2-[4-(1-TRIFLUOROMETHYL-CYCLOPROPYL)-PHENYL]-ACETAMIDE**
[72] HEIDMANN, BIBIA, CH
[72] VON RAUMER, MARKUS, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2019-12-16
[86] 2018-07-04 (PCT/EP2018/068087)
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[51] **Int.Cl. C02F 1/46 (2006.01) B01J 19/08 (2006.01) B01J 19/24 (2006.01) C02F 1/44 (2006.01) C02F 1/461 (2006.01) C02F 3/30 (2006.01) C02F 9/06 (2006.01) C02F 9/14 (2006.01) C02F 1/48 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND APPARATUSES FOR WATER TREATMENT**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR LE TRAITEMENT DE L'EAU**
[72] DAVY, DEREK, CA
[72] HOOSHANG AMIRI, ANDREW, CA
[72] NEIL SOSEBEE, ALAN, US
[71] ECONSE WATER PURIFICATION SYSTEMS INC., CA
[85] 2019-12-17
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[51] **Int.Cl. C22B 26/12 (2006.01) C01D 7/06 (2006.01) C01D 15/08 (2006.01) C22B 3/04 (2006.01) C22B 3/20 (2006.01)**
[25] EN
[54] **METHOD OF EXTRACTING LITHIUM COMPOUND(S)**
[54] **PROCEDE D'EXTRACTION D'UN OU DE PLUSIEURS COMPOSES DE LITHIUM**
[72] TIIHONEN, MARIKA, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2019-12-16
[86] 2017-06-22 (PCT/FI2017/050477)
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[51] **Int.Cl. C07C 227/08 (2006.01) C07C 227/16 (2006.01) D21C 9/10 (2006.01) C07C 229/12 (2006.01) C07C 229/24 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A MIXTURE OF CHELATING AGENTS, MIXTURE OF CHELATING AGENTS AND METHODS OF USING THEM**
[54] **PROCEDE DE PREPARATION D'UN MELANGE D'AGENTS CHELATANTS, MELANGE D'AGENTS CHELATANTS ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] AKSELA, REIJO, FI
[72] KONN, JONAS, FI
[72] PERANDER, ANNA-MAIJA, FI
[72] HAARALA, ANNA, FI
[72] ILMONIEMI, RIITTA, FI
[72] HOFFREN, HANNA, FI
[71] KEMIRA OYJ, FI
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[30] FI (20175631) 2017-06-30

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[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **CONTAINER SYSTEM**
[54] **SYSTEME DE RECIPIENTS**
[72] RAHMEL, MARCUS RAINER, DE
[72] BAUER, PETER, DE
[72] ENDERT, GUIDO, DE
[72] KRIEGER, JOHANNES, DE
[72] ZIEGLER, PHILIPP, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-12-16
[86] 2018-07-09 (PCT/EP2018/068531)
[87] (WO2019/011851)
[30] EP (17020294.9) 2017-07-11

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[51] **Int.Cl. C07C 229/12 (2006.01) C07C 227/16 (2006.01) D21C 9/10 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A MIXTURE OF CHELATING AGENTS, MIXTURE OF CHELATING AGENTS AND METHODS OF USING THEM**
[54] **PROCEDE DE PREPARATION D'UN MELANGE D'AGENTS CHELATANTS, MELANGE D'AGENTS CHELATANTS ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] AKSELA, REIJO, FI
[72] KONN, JONAS, FI
[72] PERANDER, ANNA-MAIJA, FI
[72] HAARALA, ANNA, FI
[72] ILMONIEMI, RIITTA, FI
[72] HOFFREN, HANNA, FI
[71] KEMIRA OYJ, FI
[85] 2019-12-16
[86] 2018-06-27 (PCT/FI2018/050505)
[87] (WO2019/002685)
[30] FI (20175632) 2017-06-30

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[51] **Int.Cl. G01N 27/06 (2006.01) B01D 71/36 (2006.01) B63B 22/00 (2006.01) G01C 13/00 (2006.01)**
[25] EN
[54] **A SENSOR**
[54] **DETECTEUR**
[72] ZHAO, HUIJUN, AU
[71] GRIFFITH UNIVERSITY, AU
[85] 2019-12-17
[86] 2018-06-28 (PCT/AU2018/050662)
[87] (WO2019/000040)
[30] AU (2017902515) 2017-06-29

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[51] **Int.Cl. C07K 1/18 (2006.01) C07K 1/16 (2006.01)**
[25] EN
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[54] **CHROMATOGRAPHIE**
[72] ROSE, MICHAEL HARRY, GB
[71] UCB BIOPHARMA SRL, BE
[85] 2019-12-16
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[30] GB (1711481.0) 2017-07-17

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[51] **Int.Cl. A61K 38/46 (2006.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **MTMR2-S POLYPEPTIDE FOR USE IN THE TREATMENT OF MYOPATHIES**
[54] **POLYPEPTIDE MTMR2-S DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE MYOPATHIES**
[72] LAPORTE, JOCELYN, FR
[72] COWLING, BELINDA, FR
[72] RAESS, MATTHIEU, FR
[72] FRIANT-MICHEL, SYLVIE, FR
[72] BERTAZZI, DIMITRI, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE LA SANT ET DE LA RECHERCHE MEDICALE, FR
[85] 2019-12-16
[86] 2018-07-03 (PCT/EP2018/068004)
[87] (WO2019/007991)
[30] EP (17305852.0) 2017-07-03

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[13] A1
[51] **Int.Cl. B02C 23/08 (2006.01) B03D 1/00 (2006.01) C22B 1/00 (2006.01) C22B 3/22 (2006.01) C22B 13/00 (2006.01) C22B 15/00 (2006.01) C22B 19/00 (2006.01) C22B 23/00 (2006.01) C22B 34/12 (2006.01)**
[25] EN
[54] **MAXIMISE THE VALUE OF A SULPHIDE ORE RESOURCE THROUGH SEQUENTIAL WASTE REJECTION**
[54] **MAXIMISATION DE LA VALEUR D'UNE RESSOURCE DE MINERAI SULFURE PAR REJET SEQUENTIEL DE DECHETS**
[72] FILMER, ANTHONY OWEN, AU
[72] ALEXANDER, DANIEL JOHN, GB
[71] ANGLO AMERICAN SERVICES (UK) LTD, GB
[85] 2019-12-16
[86] 2017-06-30 (PCT/IB2017/053963)
[87] (WO2018/234855)
[30] US (15/631,137) 2017-06-23

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[51] **Int.Cl. B65D 47/10 (2006.01) B65D 47/24 (2006.01) B65D 47/28 (2006.01) B65D 51/22 (2006.01) B65D 51/28 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **CONTAINER CLOSURE WITH A STANDARD CAPSULE**
[54] **FERMETURE DE RECIPIENT DOTEE D'UNE CAPSULE STANDARD**
[72] SCHMID, MARTIN, AT
[71] MONTFORT SOLUTIONS GMBH, AT
[85] 2019-12-16
[86] 2018-07-16 (PCT/EP2018/069302)
[87] (WO2019/012156)
[30] DE (10 2017 115 934.7) 2017-07-14

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[13] A1
[51] **Int.Cl. B09C 1/02 (2006.01)**
[25] EN
[54] **SOLID WASTE TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE DECHETS SOLIDES**
[72] MORRELL, COLIN, CA
[71] CLEAN EARTH TECHNOLOGIES INC., CA
[85] 2019-12-17
[86] 2018-06-22 (PCT/AU2018/050620)
[87] (WO2018/232461)
[30] AU (2017902433) 2017-06-23

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[13] A1
[51] **Int.Cl. A42B 3/16 (2006.01)**
[25] EN
[54] **PROTECTIVE HELMET WITH EARPIECES**
[54] **CASQUE DE PROTECTION A OREILLES**
[72] MORALES VELASQUEZ, LUIS FELIPE, CO
[71] EFEM ACOUSTICS, LLC, US
[85] 2019-12-16
[86] 2018-06-08 (PCT/IB2018/054161)
[87] (WO2018/229619)
[30] CO (NC2017/0006010) 2017-06-16

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[13] A1
[51] **Int.Cl. C22B 3/04 (2006.01)**
[25] EN
[54] **BENEFICIATION OF VALUES FROM ORES WITH A HEAP LEACH PROCESS**
[54] **ENRICHISSEMENT DE METAUX DE VALEUR A PARTIR DE MINERAIS A L'AIDE D'UN PROCEDE DE LIXIVIATION EN TAS**
[72] FILMER, ANTHONY OWEN, AU
[72] ALEXANDER, DANIEL JOHN, GB
[71] ANGLO AMERICAN SERVICES (UK) LTD, GB
[85] 2019-12-16
[86] 2018-05-15 (PCT/IB2018/053394)
[87] (WO2018/234880)
[30] US (15/631,137) 2017-06-23

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[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICES FOR VERIFYING AUTHORIZATION OF AN ELECTRONIC DEVICE**
[54] **PROCEDE ET DISPOSITIFS UTILISES POUR VERIFIER UNE AUTORISATION D'UN DISPOSITIF ELECTRONIQUE**
[72] BUCK, MARTIN, CH
[71] LEGIC IDENTSYSTEMS AG, CH
[85] 2019-12-16
[86] 2018-07-17 (PCT/EP2018/069344)
[87] (WO2019/016181)
[30] CH (00936/17) 2017-07-18

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[51] **Int.Cl. B28D 1/00 (2006.01) B28D 1/04 (2006.01) B28D 1/18 (2006.01) B28D 1/30 (2006.01)**
[25] EN
[54] **COMBINED CUTTING AND BEVELLING MACHINE FOR SLABS OF STONE OR STONE-LIKE MATERIAL**
[54] **MACHINE COMBINEE DE COUPE ET BISEAUTAGE POUR DALLES DE PIERRE OU D'UN MATERIAU DE TYPE PIERRE**
[72] TONCELLI, DARIO, IT
[71] TONCELLI, DARIO, IT
[85] 2019-12-16
[86] 2018-06-20 (PCT/IB2018/054535)
[87] (WO2018/235008)
[30] IT (102017000070652) 2017-06-23

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[13] A1
[51] **Int.Cl. C08F 4/76 (2006.01) C08F 4/52 (2006.01)**
[25] EN
[54] **RIGID NON-CYCLOPENTADIENYL GROUP 4 TRANSITION METAL AND RARE EARTH METAL CATALYSTS FOR OLEFIN POLYMERIZATION**
[54] **CATALYSEURS A BASE D'UN METAL DE TRANSITION DU GROUPE 4 ET D'UN METAL DES TERRES RARES NON-CYCLOPENTADIENYLE RIGIDE, POUR POLYMERISATION D'OLEFINES**
[72] EMSLIE, DAVID, CA
[72] WILLIAMS, KELLY, CA
[72] VASANTHAKUMAR, ARTHITHIYAN, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2019-12-17
[86] 2018-06-19 (PCT/CA2018/050742)
[87] (WO2018/232503)
[30] US (62/521,830) 2017-06-19

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[13] A1
[51] **Int.Cl. C23F 1/36 (2006.01) C01G 23/00 (2006.01) C23F 1/46 (2006.01) C23G 1/36 (2006.01)**
[25] FR
[54] **PROCESS FOR REGENERATING A BATH FOR CHEMICAL ETCHING OF TITANIUM PARTS**
[54] **PROCEDE DE REGENERATION D'UN BAIN D'USINAGE CHIMIQUE DE PIECES EN TITANE**
[72] NICOLAS, MATHIEU, FR
[71] SATYS SURFACE TREATMENT TOULOUSE, FR
[85] 2019-12-16
[86] 2018-06-13 (PCT/IB2018/054300)
[87] (WO2018/229672)
[30] FR (17/70637) 2017-06-16

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[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/00 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **SHEDDASE RESISTANT TREM2 VARIANTS**
[54] **VARIANTS DE TREM2 RESISTANT A LA SHEDDASE**
[72] FEUERBACH, DOMINIK, CH
[72] NEUMANN, ULF, CH
[71] NOVARTIS AG, CH
[85] 2019-12-16
[86] 2018-07-26 (PCT/IB2018/055592)
[87] (WO2019/021233)
[30] US (62/537,486) 2017-07-27

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[13] A1
[51] **Int.Cl. G01N 1/31 (2006.01) G01N 1/36 (2006.01) G01N 1/44 (2006.01)**
[25] EN
[54] **APPARATUS FOR PROCESSING A TISSUE SAMPLE AND IN PARTICULAR FOR PRODUCING A WAX BLOCK CONTAINING A TISSUE SAMPLE**
[54] **ARRANGEMENT POUR PREPARER UN ECHANTILLON DE TISSU ET NOTAMMENT POUR FABRIQUER UN BLOC DE CIRE CONTENANT UN ECHANTILLON DE TISSU**
[72] MARSCH, THOMAS, DE
[71] LEICA BIOSYSTEMS NUSSLOCH GMBH, DE
[85] 2019-12-16
[86] 2018-07-24 (PCT/EP2018/070002)
[87] (WO2019/020607)
[30] DE (10 2017 116 760.9) 2017-07-25

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[51] **Int.Cl. C07C 69/94 (2006.01) A61K 31/192 (2006.01) A61K 31/235 (2006.01) C07C 65/19 (2006.01)**
[25] EN
[54] **CANNABIDIOLIC ACID ESTERS COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS D'ESTERS D'ACIDE CANNABIDIOLIQUE ET LEURS UTILISATIONS**
[72] MECHOULAM, RAPHAEL, IL
[72] PARKER, LINDA, CA
[72] PERTWEE, ROGER, GB
[72] WELLER, ARON, IL
[72] TAM, JOSEPH, IL
[72] HAJ, CHRISTEEN, IL
[72] SMOUM, REEM, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSAM LTD., IL
[71] UNIVERSITY OF GUELPH, CA
[71] BAR ILAN UNIVERSITY, IL
[85] 2019-12-16
[86] 2018-06-20 (PCT/IL2018/050678)
[87] (WO2018/235079)
[30] US (62/522,243) 2017-06-20

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE WITH FLEXIBLE TIP**
[54] **DISPOSITIF MEDICAL COMPRENANT UNE POINTE FLEXIBLE**
[72] SCHELTES, JULIEN SERGE, NL
[72] PETERS, WIMOLD PIETER STEVEN, NL
[71] DEAM HOLDING B.V., NL
[85] 2019-12-12
[86] 2018-06-27 (PCT/NL2018/050414)
[87] (WO2019/004826)
[30] NL (2019146) 2017-06-29

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[13] A1
[51] **Int.Cl. A61B 18/18 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS FOR DELIVERING RF AND/OR MICROWAVE ENERGY INTO BIOLOGICAL TISSUE**
[54] **APPAREIL ELECTROCHIRURGICAL POUR DISTRIBUER DE L'ENERGIE RADIOFREQUENCE (RF) ET/OU MICRO-ONDE DANS UN TISSU BIOLOGIQUE**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] MONICO, ROHAN, GB
[72] MORRIS, STEVE, GB
[72] CRAVEN, TOM, GB
[72] POHLMANN, STEFANIE, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2019-12-16
[86] 2018-08-15 (PCT/EP2018/072155)
[87] (WO2019/034710)
[30] GB (1713177.2) 2017-08-17

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[51] **Int.Cl. H02G 1/08 (2006.01) F03D 80/80 (2016.01) H02G 1/10 (2006.01) E02B 17/00 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **PULL-IN HEAD ASSEMBLY**
[54] **ENSEMBLE TETE DE TRACTION**
[72] VAN HINSBERGH, GREGORY, GB
[71] C-LING LIMITED, GB
[85] 2019-12-16
[86] 2018-06-15 (PCT/GB2018/051664)
[87] (WO2018/234761)
[30] GB (1709940.9) 2017-06-21

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[13] A1
[51] **Int.Cl. B01L 9/00 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **HOLDER HAVING A STACK OF COVERSLIPS OR SPECIMEN SLIDES**
[54] **SUPPORT COMPRENANT UN EMPILEMENT DE VERRES DE PROTECTION OU DES SUPPORTS D'OBJETS**
[72] TRUMP, TOBIAS, DE
[71] LEICA BIOSYSTEMS NUSSLOCH GMBH, DE
[85] 2019-12-16
[86] 2019-03-01 (PCT/EP2019/055218)
[87] (WO2019/174939)
[30] DE (20 2018 104 076.6) 2018-07-16
[30] EP (004757896) 2018-03-15

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01) G01C 21/36 (2006.01) G08G 1/123 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING TRANSIT STOP LOCATION**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE LOCALISATION D'ARRET DE TRANSIT**
[72] GALON, BINYAMIN, IL
[72] BEZALEL, NIR, IL
[72] BICK, ROY, IL
[71] MOOVIT APP GLOBAL LTD, IL
[85] 2019-12-16
[86] 2018-06-18 (PCT/IL2018/050674)
[87] (WO2018/235075)
[30] US (62/521,451) 2017-06-18

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[51] **Int.Cl. H02G 1/08 (2006.01) F03D 80/80 (2016.01) H02G 1/10 (2006.01) E02B 17/00 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **PULL-IN HEAD ASSEMBLY**
[54] **ENSEMBLE TETE DE TRACTION**
[72] VAN HINSBERGH, GREGORY, GB
[71] C-LING LIMITED, GB
[85] 2019-12-16
[86] 2018-06-15 (PCT/GB2018/051665)
[87] (WO2018/234762)
[30] GB (1709939.1) 2017-06-21

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[51] **Int.Cl. C08B 15/06 (2006.01) C08L 1/08 (2006.01) C08L 101/00 (2006.01) D06M 13/432 (2006.01)**
[25] EN
[54] **FINE CELLULOSE FIBERS, PRODUCTION METHOD THEREFOR, SLURRY, AND COMPOSITE**
[54] **FINES FIBRES DE CELLULOSE, LEUR PROCEDE DE PRODUCTION, BOUILLIE ET COMPOSITE**
[72] TSUJII YOSHINOBU, JP
[72] SAKAKIBARA KEITA, JP
[72] TANAKA KOJI, JP
[72] IKUMA TAKAHITO, JP
[72] OKAWA JUNYA, JP
[72] MATSUSUE IKKO, JP
[71] KYOTO UNIVERSITY, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2019-12-16
[86] 2018-06-13 (PCT/JP2018/022557)
[87] (WO2018/230600)
[30] JP (2017-116549) 2017-06-14

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[51] **Int.Cl. H02G 1/08 (2006.01) F03D 80/80 (2016.01) H02G 1/10 (2006.01) E02B 17/00 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **PULL-IN HEAD ASSEMBLY**
[54] **ENSEMBLE TETE DE TRACTION**
[72] VAN HINSBERGH, GREGORY, GB
[71] C-LING LIMITED, GB
[85] 2019-12-16
[86] 2018-06-15 (PCT/GB2018/051666)
[87] (WO2018/234763)
[30] GB (1709938.3) 2017-06-21

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[51] **Int.Cl. F16M 13/00 (2006.01) A01B 1/00 (2006.01) A01B 1/22 (2006.01) A46B 15/00 (2006.01) A46B 17/00 (2006.01) A47G 29/00 (2006.01) A47L 13/50 (2006.01) B25H 3/00 (2006.01)**
[25] EN
[54] **SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT**
[72] GRIBBLE, DAVID H., CA
[72] DEVEAU, JAMES A., CA
[71] GRIBBLE, DAVID H., CA
[71] DEVEAU, JAMES A., CA
[85] 2019-12-17
[86] 2018-05-23 (PCT/CA2018/050597)
[87] (WO2018/232496)
[30] CA (2971341) 2017-06-21
[30] US (62/523,284) 2017-06-22

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/18 (2006.01)**
[25] EN
[54] **COMPACT CONTACTING SYSTEMS AND METHODS FOR SCAVENGING SULFUR-CONTAINING COMPOUNDS**
[54] **SYSTEMES COMPACTS DE MISE EN CONTACT ET PROCEDES DE PIEGEAGE DE COMPOSES SOUFRES**
[72] RAMKUMAR, SHWETHA, US
[72] SHATTO, DONALD P., US
[72] NORTHROP, P. SCOTT, US
[72] PHILBROOK, SEAN T., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-12-16
[86] 2018-04-11 (PCT/US2018/027137)
[87] (WO2018/236456)
[30] US (62/522,432) 2017-06-20

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[13] A1
[51] **Int.Cl. C07C 29/80 (2006.01) B01D 3/00 (2006.01) B01D 3/14 (2006.01) B01D 15/00 (2006.01) C07C 29/94 (2006.01) C07C 31/20 (2006.01)**
[25] EN
[54] **METHOD FOR DECOLORIZING AND DEODORIZING POLYHYDRIC ALCOHOL**
[54] **PROCEDE DE DECOLORATION ET DE DESODORISATION D'UN ALCOOL POLYHYDRIQUE**
[72] LEE, JUNG JOON, KR
[72] JEON, SANG JUN, KR
[72] NAM, HEE GEUN, KR
[71] GS CALTEX CORPORATION, KR
[85] 2019-12-16
[86] 2018-07-31 (PCT/KR2018/008674)
[87] (WO2019/027222)
[30] KR (10-2017-0098271) 2017-08-02

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[13] A1
[51] **Int.Cl. G03G 21/18 (2006.01) G03G 15/08 (2006.01)**
[25] EN
[54] **CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE ET DISPOSITIF DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**
[72] NISHIDA, SHINICHI, JP
[72] FUKUI, YUICHI, JP
[72] UNEME, TETSUSHI, JP
[72] EGAMI, YASUYUKI, JP
[72] ANZAI, YOHEI, JP
[72] KAWANAMI, TAKEO, JP
[72] FUJINO, TOSHIKI, JP
[72] SUGIMOTO, SOHTA, JP
[72] SAWASHIMA, FUMIYA, JP
[71] CANON KABUSHIKI KAISHA, JP
[85] 2019-12-16
[86] 2018-06-15 (PCT/JP2018/023714)
[87] (WO2018/230744)
[30] JP (2017-117890) 2017-06-15

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/09 (2006.01)**
[25] EN
[54] **MMP1 GENE TRANSCRIPT FOR USE AS MARKER FOR DIAGNOSIS OF OVARIAN CANCER PROGNOSIS, AND TEST METHOD**
[54] **PRODUIT DE TRANSCRIPTION DU GENE (MMP1) DESTINE A L'UTILISATION COMME MARQUEUR DE DIAGNOSTIC DE PROGNOSTIC DE CANCER DE L'OVAIRE, ET PROCEDE DE TEST**
[72] OCHIYA, TAKAHIRO, JP
[72] YOKOI, AKIRA, JP
[72] KATO, TOMOYASU, JP
[71] NATIONAL CANCER CENTER, JP
[71] BIOMIMETICS SYMPATHIES INC., JP
[85] 2019-12-16
[86] 2017-06-20 (PCT/JP2017/022680)
[87] (WO2017/221927)
[30] JP (2016-121392) 2016-06-20

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[13] A1
[51] **Int.Cl. H04N 19/503 (2014.01) H04N 19/136 (2014.01) H04N 19/172 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **VIDEO SIGNAL PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE SIGNAL VIDEO**
[72] LEE, BAE KEUN, KR
[71] KT CORPORATION, KR
[85] 2019-12-16
[86] 2018-10-19 (PCT/KR2018/012393)
[87] (WO2019/078664)
[30] KR (10-2017-0136512) 2017-10-20

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[13] A1
[51] **Int.Cl. E04B 1/58 (2006.01) E04B 1/26 (2006.01)**
[25] EN
[54] **BUILDING AND CONSTRUCTION METHOD FOR SAME**
[54] **BATIMENT ET PROCEDE DE CONSTRUCTION DE BATIMENT**
[72] MORI, KAZUHIKO, JP
[72] NAGAYOSHI, MORIYASU, JP
[71] IIDA SANGYO CO., LTD., JP
[85] 2019-12-16
[86] 2018-05-30 (PCT/JP2018/020717)
[87] (WO2019/229870)

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[13] A1
[51] **Int.Cl. B25J 9/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAKING FOOD**
[54] **PROCEDES ET SYSTEMES DE PREPARATION D'ALIMENTS**
[72] GOLDY, GARY, US
[71] TROUW NUTRITION USA LLC, US
[85] 2019-12-16
[86] 2018-04-30 (PCT/US2018/030243)
[87] (WO2018/204271)
[30] NL (N2018815) 2017-05-01

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[51] **Int.Cl. H02K 21/24 (2006.01) H02K 1/28 (2006.01) H02K 3/47 (2006.01) H02K 9/10 (2006.01) H02K 16/00 (2006.01)**
[25] EN
[54] **ELECTRICAL MACHINE**
[54] **MACHINE ELECTRIQUE**
[72] EKWINSKI, GRZEGORZ, PL
[71] EQUELO SP.Z O.O., PL
[85] 2019-12-16
[86] 2017-12-14 (PCT/PL2017/000125)
[87] (WO2019/022624)
[30] PL (P.422393) 2017-07-28

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[13] A1
[51] **Int.Cl. C08J 5/04 (2006.01) C08L 63/00 (2006.01)**
[25] EN
[54] **THERMOSETTING RESIN COMPOSITION FOR FIBER-REINFORCED COMPOSITE MATERIAL, PREFORM, FIBER-REINFORCED COMPOSITE MATERIAL, AND METHOD FOR PRODUCING FIBER-REINFORCED COMPOSITE MATERIAL**
[54] **COMPOSITION DE RESINE THERMODURCISSABLE POUR MATERIAU COMPOSITE RENFORCE DE FIBRES, PREFORME, MATERIAU COMPOSITE RENFORCE DE FIBRES ET PROCEDE DE PRODUCTION D'UN MATERIAU COMPOSITE RENFORCE DE FIBRES**
[72] HIRANO, MASANORI, JP
[72] TOMIOKA, NOBUYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2019-12-16
[86] 2018-09-20 (PCT/JP2018/034754)
[87] (WO2019/065432)
[30] JP (2017-188113) 2017-09-28

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[13] A1
[51] **Int.Cl. H04R 1/10 (2006.01) H04R 25/00 (2006.01) H04R 19/00 (2006.01) H04R 19/02 (2006.01)**
[25] EN
[54] **IN-EAR RECEIVER**
[54] **ECOUTEUR INTRA-AURICULAIRE**
[72] RUSCONI CLERICI BELTRAMI, ANDREA, AT
[72] BOTTONI, FERRUCCIO, AT
[71] USOUND GMBH, AT
[85] 2019-12-17
[86] 2018-06-14 (PCT/EP2018/065749)
[87] (WO2018/234132)
[30] DE (10 2017 114 008.5) 2017-06-23

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[13] A1
[51] **Int.Cl. D04H 1/40 (2012.01) D04H 3/105 (2012.01) D04H 1/46 (2012.01) D04H 5/02 (2012.01) D04H 5/08 (2012.01)**
[25] EN
[54] **CROSS-LAPPED MULTILAYER FIBROUS BATT AND METHOD OF MAKING THE SAME**
[54] **NAPPE FIBREUSE MULTICOUCHE A SUPERPOSITION TRANSVERSALE ET SON PROCEDE DE FABRICATION**
[72] JARRARD, BRIAN MATTHEW, US
[71] LYDALL, INC., US
[85] 2019-12-16
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[54] **SUPERCRITICAL CARBON DIOXIDE FOR FRACKING AND HYDROCARBON RECOVERY**
[54] **DIOXYDE DE CARBONE SUPERCRITIQUE POUR FRACTURATION ET RECUPERATION D'HYDROCARBURES**
[72] WILLSON, CHRISTOPHER, CA
[72] MCGRADY, GERARD SEAN, US
[71] C-QUESTRATION, LLC, US
[85] 2019-12-16
[86] 2018-05-15 (PCT/US2018/032715)
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[30] US (62/506,600) 2017-05-15

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[54] **INTERFERON PRODRUG FOR THE TREATMENT OF CANCER**
[54] **PROMEDICAMENT D'INTERFERON POUR LE TRAITEMENT DU CANCER**
[72] FU, YANG-XIN, US
[72] CAO, XUEZHI, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2019-12-16
[86] 2018-06-18 (PCT/US2018/037982)
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[54] **KEY ATTESTATION STATEMENT GENERATION PROVIDING DEVICE ANONYMITY**
[54] **GENERATION DE DECLARATION D'ATTESTATION DE CLE FOURNISSANT UN ANONYMAT DE DISPOSITIF**
[72] SINHA, SAURAV, US
[72] HELLER, VICTOR WARREN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-12-16
[86] 2018-05-28 (PCT/US2018/034795)
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[30] US (15/649,085) 2017-07-13

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[51] **Int.Cl. A61N 5/06 (2006.01) A61N 5/01 (2006.01) A61N 5/067 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATING SUBJECTS**
[54] **DISPOSITIFS ET PROCEDES POUR LE TRAITEMENT DE SUJETS**
[72] HILL, SAMUEL L., US
[72] ROGERS, GARY S., US
[72] MCMULLAN, PATRICK J., US
[71] ROGERS SCIENCES, INC., US
[85] 2019-12-16
[86] 2018-06-14 (PCT/US2018/037611)
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[30] US (62/520,856) 2017-06-16
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[54] **BACITRACIN AND/OR DAPTOMYCIN COMBINED WITH CANNABIDIOL FOR TREATMENT OF BACTERIAL INFECTIONS**
[54] **BACITRACINE ET/OU DAPTOMYCINE COMBINEE AU CANNABIDIOL POUR LE TRAITEMENT DES INFECTIONS BACTERIENNES**
[72] KLITGAARD, JANNE KUDSK, DK
[72] WASSMANN, CLAES SONDERGAARD, DK
[71] SYDDANSK UNIVERSITET, DK
[85] 2019-12-17
[86] 2018-06-19 (PCT/EP2018/066234)
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[25] EN
[54] **FLAPPER VALVE**
[54] **CLAPET A BATTANT**
[72] NGUYEN, DUY D., US
[71] CANTEX INTERNATIONAL, INC., US
[85] 2019-12-16
[86] 2018-05-29 (PCT/US2018/034825)
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[30] US (15/625,166) 2017-06-16

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[51] **Int.Cl. E02D 3/02 (2006.01) E02D 3/054 (2006.01) E02D 3/08 (2006.01) E02D 3/12 (2006.01) E02D 5/30 (2006.01) E02D 5/34 (2006.01) E02D 5/38 (2006.01)**
[25] EN
[54] **EXTENSIBLE SHELLS AND RELATED METHODS FOR CONSTRUCTING A DUCTILE SUPPORT PIER**
[54] **COQUES EXTENSIBLES ET PROCEDES ASSOCIES POUR LA CONSTRUCTION D'UN PILIER DE SUPPORT DUCTILE**
[72] WHITE, DAVID J., US
[72] WISSMANN, KORD J., US
[72] CARTER, LAKE, US
[71] GEOPIER FOUNDATION COMPANY, INC., US
[85] 2019-12-16
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[51] **Int.Cl. H04W 64/00 (2009.01)**
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[54] **DETECTING RADIO SIGNAL EMITTER LOCATIONS**
[54] **DETECTION D'EMPLACEMENTS D'EMETTEUR DE SIGNAL RADIO**
[72] O'SHEA, TIMOTHY JAMES, US
[72] MCGWIER, ROBERT W., US
[72] MCCARTHY, NICHOLAS AARON, US
[71] HAWKEYE 360, INC., US
[85] 2019-12-16
[86] 2018-06-06 (PCT/US2018/036186)
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[30] US (62/527,510) 2017-06-30

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[51] **Int.Cl. F15B 5/00 (2006.01) F16K 31/06 (2006.01)**
[25] EN
[54] **FAILSAFE INTEGRATED TRANSDUCER**
[54] **TRANSDUCTEUR INTEGRE A SECURITE INTEGREE**
[72] GASSMAN, GEORGE W., US
[72] GALBREATH, CURT, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2019-12-16
[86] 2018-06-07 (PCT/US2018/036390)
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[51] **Int.Cl. G06Q 10/02 (2012.01)**
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[54] **DYNAMIC BLOCK APPOINTMENT ORCHESTRATION AND DISPLAY**
[54] **ORCHESTRATION ET AFFICHAGE DYNAMIQUES DE RENDEZ-VOUS EN BLOC**
[72] WEDDLE, AMAYA BECVAR, US
[71] MINDBODY, INC., US
[85] 2019-12-16
[86] 2018-06-08 (PCT/US2018/036689)
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[51] **Int.Cl. C12Q 1/6804 (2018.01)**
[25] EN
[54] **SINGLE NUCLEUS AND SINGLE MOLECULE CHROMATIN INTERACTION ASSAYS**
[54] **DOSAGES D'INTERACTION DE CHROMATINE DE NOYAU UNIQUE ET DE MOLECULE UNIQUE**
[72] RUAN, YIJUN, US
[72] ZHENG, MEIZHEN, US
[72] PIECUCH, EMALY, US
[71] THE JACKSON LABORATORY, US
[85] 2019-12-16
[86] 2018-06-18 (PCT/US2018/038071)
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[51] **Int.Cl. C12N 5/078 (2010.01)**
[25] FR
[54] **METHOD FOR PRODUCING ERYTHROID PROGENITOR CELLS**
[54] **PROCEDE DE PRODUCTION DE PROGENITEURS ERYTHROIDES**
[72] GUYONNEAU-HARMAND, LAURENCE, FR
[72] GARCON, LOIC, FR
[72] AURADE, FREDERIC, FR
[72] REBERGUE, NICOLAS, FR
[72] RELAIX, FREDERIC, FR
[72] DOUAY, LUC, FR
[71] ETABLISSEMENT FRANCAIS DU SANG, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] SORBONNE UNIVERSITE, FR
[71] UNIVERSITE PARIS-EST-CRETEIL VAL DE MARNE, FR
[85] 2019-12-17
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[30] FR (1756222) 2017-06-30

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[51] **Int.Cl. G21C 15/18 (2006.01) G21C 9/012 (2006.01)**
[25] EN
[54] **ISOLATION CONDENSER SYSTEMS FOR VERY SIMPLIFIED BOILING WATER REACTORS**
[54] **SYSTEMES DE CONDENSATEUR D'ISOLATION POUR REACTEURS A EAU BOUILLANTE TRES SIMPLIFIES**
[72] MARQUINO, WAYNE, US
[72] HUNT, BRIAN S., US
[72] DAHLGREN, CHRISTER N., US
[71] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
[85] 2019-12-16
[86] 2018-06-11 (PCT/US2018/036894)
[87] (WO2019/005465)
[30] US (15/635,400) 2017-06-28

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[51] **Int.Cl. H02S 20/23 (2014.01) H02S 30/10 (2014.01)**
[25] EN
[54] **ROOF SYSTEM FOR PRODUCTION OF ELECTRICAL POWER**
[54] **SYSTEME DE TOITURE POUR LA PRODUCTION D'ENERGIE ELECTRIQUE**
[72] SCHNEIDER, MICHAEL AARON, US
[71] BLUESCOPE BUILDINGS NORTH AMERICA, INC., US
[85] 2019-12-16
[86] 2018-06-14 (PCT/US2018/037626)
[87] (WO2018/232173)
[30] US (15/625,303) 2017-06-16

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[51] **Int.Cl. F16C 11/06 (2006.01) A01D 34/13 (2006.01) A01D 75/00 (2006.01)**
[25] EN
[54] **IMPROVED DUST BOOT FOR A TIE ROD END OF A SICKLE BAR OF A COMBINE AND A METHOD OF MAKING**
[54] **SOUFFLET PARE-POUSSIERE AMELIORE POUR UNE EXTREMITE DE TIGE DE LIAISON D'UNE BARRE DE FAUCILLE D'UNE MOISSONNEUSE-BATTEUSE ET PROCEDE DE FABRICATION**
[72] SEIBERT, TREVOR G., US
[71] FEDERAL-MOGUL MOTORPARTS LLC, US
[85] 2019-12-16
[86] 2018-06-15 (PCT/US2018/037673)
[87] (WO2018/236675)
[30] US (15/629,844) 2017-06-22

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) G05B 19/401 (2006.01)**
[25] FR
[54] **DEVICE FOR MANAGING THE MOVEMENTS OF A ROBOT, AND ASSOCIATED TREATMENT ROBOT**
[54] **DISPOSITIF DE GESTION DES DEPLACEMENTS D'UN ROBOT ET ROBOT DE SOIN ASSOCIE**
[72] EYSSAUTIER, FRANCOIS, FR
[72] GIBERT, GUILLAUME, FR
[71] CAPSIX, FR
[85] 2019-12-17
[86] 2018-06-21 (PCT/EP2018/066672)
[87] (WO2019/002104)
[30] FR (1755812) 2017-06-26

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[51] **Int.Cl. A61L 2/16 (2006.01) A61L 2/18 (2006.01) A62D 3/00 (2007.01)**
[25] EN
[54] **DECONTAMINATION FORMULATION**
[54] **FORMULATION DE DECONTAMINATION**
[72] BLUHM, MATTHEW A., US
[72] STARBUCK, BRIAN, US
[71] DECON7 SYSTEMS, LLC, US
[85] 2019-12-16
[86] 2018-06-15 (PCT/US2018/037817)
[87] (WO2018/232281)
[30] US (62/520,372) 2017-06-15
[30] US (62/618,096) 2018-01-17
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[30] US (62/618,104) 2018-01-17
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[51] **Int.Cl. F16K 5/04 (2006.01) F16K 3/08 (2006.01) F16K 3/26 (2006.01) F16K 5/10 (2006.01) F16K 11/085 (2006.01) F16K 47/04 (2006.01)**
[25] EN
[54] **MULTI-STAGE, MULTI-PATH ROTARY DISC VALVE**
[54] **SOUPAPE A DISQUE ROTATIF A PLUSIEURS ETAGES ET A TRAJETS MULTIPLES**
[72] KUBOTA, TIMO, US
[72] WILSON, MATTHEW, US
[71] CONTROL COMPONENTS, INC., US
[85] 2019-12-16
[86] 2018-06-15 (PCT/US2018/037877)
[87] (WO2018/236690)
[30] US (15/628,418) 2017-06-20

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[51] **Int.Cl. A61L 27/38 (2006.01) A61L 27/40 (2006.01) A61L 27/54 (2006.01) A61L 27/60 (2006.01) A61L 31/12 (2006.01)**
[25] EN
[54] **THREE DIMENSIONAL TISSUE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE TISSU TRIDIMENSIONNEL ET PROCEDES D'UTILISATION**
[72] LANCASTER, JORDAN J., US
[72] GOLDMAN, STEVEN, US
[72] KOEVARY, JENNIFER WATSON, US
[71] AVERY THERAPEUTICS, INC., US
[85] 2019-12-16
[86] 2018-06-15 (PCT/US2018/037882)
[87] (WO2018/232323)
[30] US (62/521,137) 2017-06-16

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[51] **Int.Cl. G01N 33/18 (2006.01) G01N 21/31 (2006.01) G01N 21/35 (2014.01) G01N 21/39 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR CONTINUOUS ANALYSIS OF THE CONCENTRATION OF DISSOLVED INORGANIC CARBON (DIC) AND OF THE ISOTOPIC CARBON AND OXYGEN COMPOSITIONS THEREOF**
[54] **DISPOSITIF ET METHODE D'ANALYSE EN CONTINU DE LA CONCENTRATION DU CARBONE INORGANIQUE DISSOUS (DIC) ET DE SES COMPOSITIONS ISOTOPIQUES EN CARBONE ET OXYGENE**
[72] SANS-JOFRE, PIERRE, FR
[72] LALONDE, STEFAN, FR
[72] LIORZOU, CELINE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE BRETAGNE OCCIDENTALE (UBO), FR
[85] 2019-12-17
[86] 2018-07-09 (PCT/FR2018/051715)
[87] (WO2019/012212)
[30] FR (1756500) 2017-07-10

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[51] **Int.Cl. A61B 3/117 (2006.01) A61B 3/13 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR OCT GUIDED GLAUCOMA SURGERY**
[54] **PROCEDES ET SYSTEMES POUR CHIRURGIE DU GLAUCOME GUIDEE PAR OCT**
[72] BERLIN, MICHAEL S., US
[71] BERLIN, MICHAEL S., US
[85] 2019-12-16
[86] 2018-06-18 (PCT/US2018/038072)
[87] (WO2018/232397)
[30] US (62/521,310) 2017-06-16
[30] US (16/011,011) 2018-06-18

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[13] A1
[51] **Int.Cl. A24B 1/10 (2006.01) A24B 3/14 (2006.01) A24B 13/00 (2006.01) B30B 11/02 (2006.01) B65B 1/36 (2006.01) B65B 1/38 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FORMING SMOKABLE MATERIALS**
[54] **DISPOSITIF ET PROCEDE DE FORMATION DE SUBSTANCES POUVANT ETRE FUMEES**
[72] MARTEL, JOEL S., US
[71] MARTEL, JOEL S., US
[85] 2019-12-16
[86] 2018-06-18 (PCT/US2018/038081)
[87] (WO2018/232400)
[30] US (15/625,733) 2017-06-16

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[13] A1
[51] **Int.Cl. B60B 25/08 (2006.01) B60B 21/02 (2006.01) B60B 21/04 (2006.01) B60B 21/10 (2006.01) B60B 25/04 (2006.01) B60B 25/12 (2006.01) B60C 15/02 (2006.01) B60B 15/02 (2006.01) B60B 25/10 (2006.01)**
[25] FR
[54] **WHEEL RIM WITH OPTIMIZED SHAPE OF RIM FLANGE**
[54] **JANTE A CROCHET DE FORME OPTIMISEE**
[72] WALSER, DANIEL, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] MAXION WHEELS U.S.A. LLC, US
[85] 2019-12-17
[86] 2018-06-29 (PCT/FR2018/051612)
[87] (WO2019/002793)
[30] FR (17/56176) 2017-06-30
[30] FR (18/55036) 2018-06-08

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[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 9/00 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **MODIFIED-RELEASE TIOPRONIN COMPOSITIONS, KITS AND METHODS FOR TREATING CYSTINURIA AND RELATED DISORDERS**
[54] **COMPOSITIONS DE TIOPRONINE A LIBERATION MODIFIEE, KITS ET METHODES POUR TRAITER LA CYSTINURIE ET AUTRES TROUBLES ASSOCIES**
[72] REICHENBERGER, PATRICK, US
[72] ZYKOVICH, ARTEM, US
[71] ALTIBIO, INC., US
[85] 2019-12-16
[86] 2018-06-18 (PCT/US2018/038097)
[87] (WO2018/232407)
[30] US (62/521,328) 2017-06-16

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **OPTIMIZING WASTE SLURRY DISPOSAL IN FRACTURED INJECTION OPERATIONS**
[54] **OPTIMISATION DE L'EVACUATION DE BOUE DE DECHETS DANS DES OPERATIONS D'INJECTION FRACTUREES**
[72] EL KHOLY, SHERIF M., US
[72] ABOU-SAYED, OMAR, US
[72] MOHAMED, IBRAHIM M., US
[72] ABOU-SAYED, AHMED, US
[71] ADVANTEK WASTE MANAGEMENT SERVICES, LLC, US
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[86] 2018-06-18 (PCT/US2018/038131)
[87] (WO2018/232419)
[30] US (62/521,226) 2017-06-16
[30] US (62/558,806) 2017-09-14
[30] US (62/626,129) 2018-02-04

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **TARGETED THERAPEUTICS**
[54] **AGENTS THERAPEUTIQUES CIBLES**
[72] JAIN, NEERA, US
[72] YING, WEIWEN, US
[72] CHIMMANAMADA, DINESH U., US
[72] ZHANG, JUNYI, US
[72] KALE, AMIT, US
[71] MADRIGAL PHARMACEUTICALS, INC., US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038153)
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[30] US (62/522,314) 2017-06-20

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[13] A1
[51] **Int.Cl. C02F 1/00 (2006.01) C02F 1/02 (2006.01) C02F 3/00 (2006.01) C02F 3/06 (2006.01) C02F 3/08 (2006.01) C04B 18/00 (2006.01) C04B 18/02 (2006.01) C04B 18/08 (2006.01)**
[25] EN
[54] **AN IOT-BASED SEWAGE TREATMENT SYSTEM**
[54] **UN SYSTEME DE TRAITEMENT D'EAUX USEES BASE SUR L'IDO**
[72] CHAI, WENGUANG, CN
[71] GER NORTH AMERICA, LLC, US
[85] 2019-12-04
[86] 2018-09-27 (PCT/US2018/053112)
[87] (WO2019/212590)
[30] US (62/666,917) 2018-05-04

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[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A24F 47/00 (2006.01) A61K 9/72 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **VAPORIZING DEVICES AND METHODS FOR DELIVERING A COMPOUND USING THE SAME**
[54] **DISPOSITIFS DE VAPORISATION ET PROCEDES DE LIBERATION D'UN COMPOSE LES UTILISANT**
[72] RAICHMAN, YOSSEF, US
[71] ALTRIA CLIENT SERVICES LLC, US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038156)
[87] (WO2019/005526)
[30] US (62/525,773) 2017-06-28
[30] IL (PCT/IL2017/051041) 2017-09-14
[30] US (15/845,501) 2017-12-18

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[13] A1
[51] **Int.Cl. A61K 31/715 (2006.01) A61K 31/702 (2006.01) C07H 3/06 (2006.01) C08B 37/00 (2006.01) C12N 1/00 (2006.01) C12N 1/20 (2006.01) C12N 1/38 (2006.01)**
[25] EN
[54] **PRODUCTION OF BIOACTIVE OLIGOSACCHARIDES**
[54] **PRODUCTION D'OLIGOSACCHARIDES BIOACTIFS**
[72] AMICUCCI, MATTHEW J., US
[72] PARK, DAYOUNG, US
[72] GALERMO, ACE GITA, US
[72] MILLS, DAVID A., US
[72] GERMAN, JOHN BRUCE, US
[72] LEBRILLA, CARLITO B., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-12-16
[86] 2018-06-19 (PCT/US2018/038350)
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[30] US (62/522,604) 2017-06-20

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 38/36 (2006.01) A61K 38/48 (2006.01) A61P 7/04 (2006.01) B32B 5/08 (2006.01) C07K 14/745 (2006.01) C07K 14/75 (2006.01) C12N 9/74 (2006.01) D01D 5/34 (2006.01)**
[25] EN
[54] **HEMOSTATIC PRODUCTS**
[54] **PRODUITS HEMOSTATIQUES**
[72] FLOYD, TIMOTHY, US
[72] MESSINA, PHILIP A., US
[71] ST. TERESA MEDICAL, INC., US
[85] 2019-12-16
[86] 2018-06-20 (PCT/US2018/038542)
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[30] US (62/522,288) 2017-06-20

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[13] A1
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[54] **ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES**
[54] **ANTICORPS A CHAINE LOURDE UNIQUEMENT ANTI-BCMA**
[72] TRINKLEIN, NATHAN, US
[72] ALDRED, SHELLEY FORCE, US
[72] HARRIS, KATHERINE, US
[72] VAN SCHOOTEN, WIM, US
[71] TENEOBIO, INC., US
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[25] EN
[54] **TREATMENT OF HEPATOCELLULAR CARCINOMA CHARACTERIZED BY HEPATITIS B VIRUS INFECTION**
[54] **TRAITEMENT DU CARCINOME HEPATOCELLULAIRE CARACTERISE PAR UNE INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] FILVAROFF, ELLEN, US
[72] HEGE, KRISTEN M., US
[72] LI, SHAOYI, US
[71] CELGENE CORPORATION, US
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[54] **NANOLIGNOCELLULOSE COMPOSITIONS AND PROCESSES TO PRODUCE THESE COMPOSITIONS**
[54] **COMPOSITIONS DE NANOLIGNOCELLULOSE ET LEURS PROCEDES DE PRODUCTION**
[72] NELSON, KIMBERLY, US
[72] RETSINA, THEODORA, US
[71] API INTELLECTUAL PROPERTY HOLDINGS, LLC, US
[85] 2019-12-16
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[54] **IMMUNOGENIC COMPOSITIONS**
[54] **COMPOSITIONS IMMUNOGENES**
[72] AMBROSINO, DONNA, US
[72] BROERING, TERESA J., US
[72] CROSS, ALAN, US
[72] MALLEY, RICHARD, US
[72] MICHON, FRANCIS, US
[72] SIBER, GEORGE, RAINER, US
[72] SIMON, RAPHAEL, US
[72] TENNANT, SHARON, US
[71] NOSOCOMIAL VACCINE CORPORATION, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[71] AFFINIVAX, INC., US
[85] 2019-12-16
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[54] **METHOD OF DISHWASHING COMPRISING DETERGENT COMPOSITIONS SUBSTANTIALLY FREE OF POLYCARBOXYLIC ACID POLYMERS**
[54] **PROCEDE DE LAVAGE DE LA VAISSELLE COMPRENANT DES COMPOSITIONS DETERGENTES SENSIBLEMENT EXEMPTES DE POLYMERES DE POLY(ACIDE CARBOXYLIQUE)**
[72] OLSON, ERIK C., US
[72] SILVERNAIL, CARTER M., US
[71] ECOLAB USA INC., US
[85] 2019-12-16
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[54] **FABRIC ENCASED MICRO TUBES FOR AIR BLOWN FIBERS**
[54] **MICROTUBES ENROBES DE TISSU POUR FIBRES SOUFFLEES A L'AIR**
[72] ALLEN, JERRY L., US
[71] WESCO EQUITY CORPORATION, US
[85] 2019-12-16
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[54] **FLOAT SUB WITH PRESSURE-FRANGIBLE PLUG**
[54] **RACCORD DOUBLE FEMELLE DE FLOTTEUR AVEC BOUCHON CASSABLE A LA PRESSION**
[72] KELLNER, JUSTIN, US
[72] CHAUFFE, STEPHEN J., US
[72] CONNELLY, WAYLAND DALE, US
[71] INNOVEX DOWNHOLE SOLUTIONS, INC., US
[85] 2019-12-16
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[54] **METHODS FOR TREATING HUNTINGTON'S DISEASE**
[54] **PROCEDES DE TRAITEMENT DE LA MALADIE DE HUNTINGTON**
[72] BHATTACHARYYA, ANURADHA, US
[72] JANI, MINAKSHI B., US
[72] SYDORENKO, NADIYA, US
[72] WOLL, MATTHEW G., US
[71] PTC THERAPEUTICS, INC., US
[85] 2019-12-16
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[54] **METHODS FOR TREATING HUNTINGTON'S DISEASE**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE HUNTINGTON**
[72] BHATTACHARYYA, ANURADHA, US
[72] JANI, MINAKSHI, B., US
[71] PTC THERAPEUTICS, INC., US
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[54] **DEFLAVORED PEA COMPOSITION**
[54] **COMPOSITION DE POIS DESAROMATISEE**
[72] HOSSEN, MONJUR, US
[72] PINKSTON, JOHN DAVID, US
[72] TENEA, ALINA RUXANDRA, US
[72] CHERIAN, GEORGE, US
[71] KELLOGG COMPANY, US
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[25] EN
[54] **PAPERBOARD, PAPERBOARD CONTAINER, AND METHOD FOR USING A PAPERBOARD ARTICLE**
[54] **CARTON, RECIPIENT EN CARTON ET PROCEDE D'UTILISATION D'UN ARTICLE EN CARTON**
[72] YANG, CHITAI C., US
[72] BHARDWAJ, RAHUL, US
[72] ALKIEWICZ, CHESTER E., US
[71] WESTROCK MWV, LLC, US
[85] 2019-12-16
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[25] EN
[54] **CHIMERIC ANTIBODIES FOR TREATMENT OF AMYLOID DEPOSITION DISEASES**
[54] **ANTICORPS CHIMERIQUES POUR LE TRAITEMENT DE MALADIES DE DEPOT AMYLOIDE**
[72] JONES, TARRAN, GB
[72] LEVY, ALISON, GB
[72] O'BRIEN, SIOBHAN, GB
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2019-12-16
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[54] **VOICE INTERFACE SHOPPING SYSTEM**
[54] **SYSTEME D'ACHAT A INTERFACE VOCALE**
[72] GOODMAN, ETHAN, US
[72] SPINILLO, CHRISTIAN, US
[71] MARS ADVERTISING, INC. D/B/A THE MARS AGENCY GROUP, US
[85] 2019-12-16
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[54] **EMBEDDED TRACE CAPACITIVE SIGNET STAMP**
[54] **TIMBRE A SCEAU CAPACITIF A TRACE INTEGREE**
[72] THOMAS, REE WORLEY, US
[72] STEWART, JESSE EDWARD, US
[72] HAINES, ALEX NORMAN, US
[72] MIKUL, SHERADYN THOMAS, US
[72] MCALLISTER, CHARLES ALAN, US
[71] SNOWSHOEFOOD INC., US
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[54] **MOUSE MODEL FOR ASSESSING TOXICITIES ASSOCIATED WITH IMMUNOTHERAPIES**
[54] **MODELE MURIN POUR EVALUER DES TOXICITES ASSOCIEES A DES IMMUNOTHERAPIES**
[72] CHADWICK, ERIC MARTIN, US
[72] HAUSE, RONALD JAMES JR., US
[72] JIANG, YUE, US
[72] LEVITSKY, HYAM I., US
[72] SALMON, RUTH AMANDA, US
[72] PONCE, RAFAEL ANGEL, US
[72] OLSON, NELS ERIC, US
[71] JUNO THERAPEUTICS, INC., US
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[86] 2018-06-29 (PCT/US2018/040497)
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[25] EN
[54] **TARGETED HETERODIMERIC FC FUSION PROTEINS CONTAINING IL-15/IL-15RA AND ANTIGEN BINDING DOMAINS**
[54] **PROTEINES DE FUSION FC HETERODIMERES CIBLEES CONTENANT IL-15/IL-15RA ET DOMAINES DE LIAISON A L'ANTIGENE**
[72] BERNETT, MATTHEW J., US
[72] DESJARLAIS, JOHN, US
[72] VARMA, RAJAT, US
[72] SCHUBBERT, SUZANNE, US
[72] DIAZ, JUAN, US
[71] XENCOR, INC., US
[85] 2019-12-16
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[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS WITH MUTATED CD28 COSTIMULATORY DOMAINS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES DOTES DE DOMAINES COSTIMULATEURS CD28 MUTES**
[72] DAVILA, MARCO L., US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US
[85] 2019-12-16
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[54] **FLUID REACTOR**
[54] **REACTEUR A FLUIDE**
[72] WALTER, MORIZ, DE
[72] BOTT, MARIO, DE
[71] FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] FR
[54] **BENDING OF GLASS SHEETS COMPRISING LOCALISED COOLING**
[54] **BOMBAGE DE FEUILLES DE VERRE COMPRENANT UN REFROIDISSEMENT LOCALISE**
[72] BURGAUD, DAVID, FR
[72] HENNION, ALEXANDRE, PL
[72] GOBIN, JEROME, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **UN ADHESIF DENTAIRE**
[72] MAURAT, VINCENT, FR
[72] PIGERON, CLEMENCE, FR
[71] PRODUITS DENTAIRES PIERRE ROLLAND, FR
[85] 2019-12-17
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[54] **MIXER WITH SAFETY MECHANISMS**
[54] **MIXEUR AVEC MECANISMES DE SECURITE**
[72] SAPIRE, COLIN, US
[71] CAPBRAN HOLDINGS, LLC, US
[85] 2019-12-17
[86] 2018-03-15 (PCT/US2018/022620)
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[54] **BAG OPENING SYSTEM**
[54] **SYSTEME D'OUVERTURE DE SAC**
[72] GILLESPIE, KEVIN C., US
[72] FORD, ZACHARY PATRICK, US
[72] COHEN FREUE, GUILLERMO J., US
[71] ISOPURE, CORP., US
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[86] 2018-06-20 (PCT/US2018/038581)
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[54] **CUT FOOD DENESTER**
[54] **DEPILEUR DE PRODUITS ALIMENTAIRES COUPES**
[72] WALKER, DAVID BRUCE, US
[72] NEEL, ALLEN J., US
[72] ENGLAR, JAMES, US
[71] J.R. SIMPLOT COMPANY, US
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[30] US (62/527,737) 2017-06-30
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[25] EN
[54] **OBJECTIVE, CAMERA AND SYSTEM ADAPTED FOR OPTOGENETICS COMPRISING SUCH OBJECTIVE**
[54] **OBJECTIF, CAMERA ET SYSTEME ADAPTES A L'OPTOGENETIQUE COMPRENANT UN TEL OBJECTIF**
[72] CHAVAS, JOEL, FR
[72] CHENEGROS, GUILLAUME, FR
[72] GALLE, CHARLIE, FR
[71] GENSIGHT BIOLOGICS, FR
[71] SORBONNE UNIVERSITE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
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[30] EP (17305805.8) 2017-06-28

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[54] **POLYP TRAP**
[54] **PIEGE A POLYPE**
[72] STUBA, ROBERT, US
[71] DESIGNING MEDICAL LLC, US
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[54] **FIXED-CUTTER DRILL BITS WITH TRACK-SET PRIMARY CUTTERS AND BACKUP CUTTERS**
[54] **TREPANS A COUPE FIXES AVEC FRAISES PRIMAIRES SUR RAILS ET FRAISES DE SECOURS**
[72] CHEN, SHILIN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-16
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[51] **Int.Cl. H04W 64/00 (2009.01) H04B 7/06 (2006.01)**
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[54] **DOWNLINK POSITIONING REFERENCE SIGNAL IN MULTI-BEAM SYSTEMS**
[54] **SIGNAL DE REFERENCE DE POSITIONNEMENT DE LIAISON DESCENDANTE DANS DES SYSTEMES A FAISCEAUX MULTIPLES**
[72] LY, HUNG DINH, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-16
[86] 2018-07-18 (PCT/US2018/042743)
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[30] US (62/539,999) 2017-08-01
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[54] **CARTON WITH AT LEAST ONE HOLDER**
[54] **CARTON COMPRENANT AU MOINS UN SUPPORT**
[72] HAJEK, RONALD, E., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2019-12-16
[86] 2018-08-27 (PCT/US2018/048084)
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[30] US (62/554,760) 2017-09-06

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[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD HAVING TRANSITION PHASE IN MULTI-PHASE INJECTION PROTOCOL**
[54] **SYSTEME ET PROCEDE COMPORTANT UNE PHASE DE TRANSITION DANS UN PROTOCOLE D'INJECTION MULTIPHASE**
[72] MARSH, CHELSEA, US
[72] BARONE, WILLIAM, US
[72] SPOHN, MICHAEL, US
[72] FLEISCHMANN, KEVIN, US
[72] MCDERMOTT, MICHAEL, US
[71] BAYER HEALTHCARE LLC, US
[85] 2019-12-16
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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01)**
[25] EN
[54] **INJECTOR PRESSURE CALIBRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE DE PRESSION D'INJECTEUR**
[72] MCDERMOTT, MICHAEL, US
[72] MARSH, CHELSEA, US
[72] SPOHN, MICHAEL, US
[72] BARONE, WILLIAM, US
[72] PRANIEWICZ, ROBERT, US
[72] RABIN, EDDEN, US
[72] SAVANNAH, COREY, US
[72] DELBRUGGE, VINCE, US
[71] BAYER HEALTHCARE LLC, US
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[54] **MASKING NOISES FROM DIALYSIS MACHINES**
[54] **MASQUAGE DES BRUITS EMIS PAR LES MACHINES DE DIALYSE**
[72] MOSS, JON, F., US
[72] EGLEY, BERT, D., US
[72] SCHMIDT, DANIEL, H., DE
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2019-12-16
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[54] **SYSTEMES ET PROCEDES DE MESURE ET D'AJUSTEMENT D'OUVERTURES DE PORTE DE MACHINES A TRANCHER**
[72] BANOWETZ, DANIEL LAWRENCE, US
[71] URSCHEL LABORATORIES, INC., US
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[54] **APPAREIL BLINDE DE RAYONNEMENT DE RAYONS X**
[72] TICKNER, JAMES, AU
[71] CHRYSOS CORPORATION LIMITED, AU
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[54] **NUT BUTTER COMPOSITION**
[54] **COMPOSITION DE BEURRE DE NOIX**
[72] MARTINEZ, ALEXANDRA, US
[72] RYKS, EMILY, US
[72] GORDON, CHRIS, US
[72] MACHADO, CYNTHIA MARCELA, US
[71] GENERAL MILLS, INC., US
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[54] **PROMOTEUR VEGETAL POUR L'EXPRESSION TRANSGENIQUE**
[72] KUMAR, SANDEEP, US
[72] BARONE, PIERLUIGI, US
[72] HEMINGWAY, DAREN, US
[72] ETCHISON, EMILY, US
[72] ASBERRY, ANDREW, US
[72] PENCE, HEATHER, US
[72] BOWLING, ANDREW J., US
[71] DOW AGROSCIENCES LLC, US
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[54] **COUVERTURE POUR BRACKET D'APPAREIL ORTHODONTIQUE**
[72] DARLING, STEVEN, US
[72] DARLING, JANIS, US
[71] DARLING, STEVEN, US
[71] DARLING, JANIS, US
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[54] **INHALER AND METHODS OF USING AND MAKING SAME**
[54] **INHALATEUR ET SES METHODES D'UTILISATION ET DE FABRICATION**
[72] GIRAUD, JEAN-PIERRE, US
[72] RABINNE, BRUCE, FR
[72] KATAOKA, YUTAKA, SE
[71] CSP TECHNOLOGIES, INC., US
[71] SIMPLIFIED SOLUTIONS SWEDEN AB, SE
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[54] **SYSTEM AND METHOD FOR GENERATING PHOTON EMISSION FROM ATOMIC NUCLEI**
[54] **SYSTEME ET PROCEDE POUR GENERER UNE EMISSION DE PHOTONS A PARTIR DE NOYAUX ATOMIQUES**
[72] METZLER, FLORIAN, US
[72] HAGELSTEIN, PETER, US
[71] METZLER, FLORIAN, US
[85] 2019-12-17
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[51] **Int.Cl. C12Q 1/6883 (2018.01)**
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[54] **ASSESSING CONDITIONS IN TRANSPLANT SUBJECTS USING DONOR-SPECIFIC CELL-FREE DNA**
[54] **EVALUATION DE CONDITIONS CHEZ DES SUJETS GREFFES A L'AIDE D'ADN ACELLULAIRE SPECIFIQUE D'UN DONNEUR**
[72] MITCHELL, AOY TOMITA, US
[72] MITCHELL, MICHAEL, US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
[85] 2019-12-17
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[30] US (62/522,547) 2017-06-20
[30] US (62/522,560) 2017-06-20
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[30] US (62/546,798) 2017-08-17
[30] US (62/571,709) 2017-10-12
[30] US (62/571,715) 2017-10-12
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[54] **TRANSPLANT PATIENT MONITORING WITH CELL-FREE DNA**
[54] **SUIVI DE PATIENT TRANSPLANTE AVEC DE L'ADN ACELLULAIRE**
[72] MITCHELL, AOY TOMITA, US
[72] MITCHELL, MICHAEL, US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
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[54] **ROBOT QUEUING IN ORDER FULFILLMENT OPERATIONS**
[54] **MISE EN FILE D'ATTENTE DE ROBOTS DANS DES OPERATIONS D'EXECUTION DE COMMANDE**
[72] JOHNSON, MICHAEL CHARLES, US
[72] JOHNSON, SEAN, US
[72] POWERS, BRADLEY, US
[72] GALLAGHER, KAITLIN MARGARET, US
[71] LOCUS ROBOTICS CORP., US
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[54] **ASSESSING TRANSPLANT COMPLICATION RISK WITH TOTAL CELL-FREE DNA**
[54] **EVALUATION DU RISQUE DE COMPLICATION D'UNE GREFFE AVEC L'ADN ACELLULAIRE TOTAL**
[72] MITCHELL, AOY TOMITA, US
[72] MITCHELL, MICHAEL, US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
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[54] **APPAREIL D'HYDRATATION ORALE**
[72] GOLDSTEIN, LOREN, US
[71] GOLDSTEIN, LOREN, US
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[54] **DECONTAMINATION DE FLUIDES PAR UN CHAUFFAGE PAR EFFET JOULE**
[72] TREMBLY, JASON PATRICK, US
[72] OGDEN, DAVID DROWN, US
[71] OHIO UNIVERSITY, US
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[54] **PASSENGER CLASSIFICATION-BASED AUTONOMOUS VEHICLE ROUTING**
[54] **ITINERAIRE DE VOITURE PARTICULIERE AUTONOME BASE SUR UNE CLASSIFICATION**
[72] SMITH, GAVIN, GB
[72] REYMANN, STEFFEN, GB
[71] CUBIC CORPORATION, US
[85] 2019-12-17
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[54] **ABRASIVE ARTICLES AND METHODS OF FORMING THE SAME**
[54] **ARTICLES ABRASIFS ET LEURS PROCEDES DE FORMATION**
[72] SAHA, NARESH, IN
[72] RANGANATHAN, VARADHARAJAN, IN
[72] SCHMIDT, SABINE, DE
[71] SAINT-GOBAIN ABRASIVES, INC., US
[71] SAINT-GOBAIN ABRASIFS, FR
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[25] EN
[54] **INTERPRETATION OF GENETIC AND GENOMIC VARIANTS VIA AN INTEGRATED COMPUTATIONAL AND EXPERIMENTAL DEEP MUTATIONAL LEARNING FRAMEWORK**
[54] **INTERPRETATION DE VARIANTS GENETIQUES ET GENOMIQUES PAR L'INTERMEDIAIRE D'UN SYSTEME D'APPRENTISSAGE MUTATIONNEL EN PROFONDEUR EXPERIMENTAL ET INFORMATIQUE INTEGRE**
[72] ARAYA, CARLOS L., US
[72] REUTER, JASON A., US
[72] PADIGEPATI, SAMSKRUTHI REDDY, US
[72] COLAVIN, ALEXANDRE, US
[71] JUNGLA INC., US
[85] 2019-12-17
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[54] **SPEED CONTROL ASSEMBLY**
[54] **ENSEMBLE DE REGULATION DE VITESSE**
[72] FERRELL, JAMES C., US
[72] COLBER, WILLIAM E., US
[72] FENG, DAYU, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
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[54] **PHARYNGEAL OR BUCCAL CAVITY RINSE AND PROCESS OF USE THEREOF**
[54] **PRODUIT DE RINCAGE DE LA CAVITE PHARYNGIENNE OU BUCCALE ET SON PROCEDE D'UTILISATION**
[72] GOWANI, JEHANGIR, US
[72] VONWALD, IAN, US
[72] WANG, XIAOJIANG, US
[72] BOYST, EVAN, US
[72] THANEDAR, SHRI, US
[71] GARGLE WATER, INC., US
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[25] EN
[54] **DEVICE FOR SECURING AND/OR RELEASING INJECTION MOULDS, MEANS AND METHOD**
[54] **DISPOSITIF DE FIXATION ET/OU DE LIBERATION DE MOULES A INJECTION, MOYEN ET PROCEDE**
[72] WOLF, MANFRED, DE
[71] STACK MOLD PLUS UG, DE
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[54] **PHASE-CHANGE MATERIAL AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU A CHANGEMENT DE PHASE ET PROCEDE DE PRODUCTION DUDIT MATERIAU**
[72] NOEL, JOHN ALEXANDER, CA
[72] WHITE, MARY ANNE, CA
[71] NOEL, JOHN ALEXANDER, CA
[71] WHITE, MARY ANNE, CA
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[25] FR
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[54] **SYSTEME D'ENTRAINEMENT EN ROTATION D'UN ROTOR DE TURBOMACHINE ET ROTOR DE TURBOMACHINE**
[72] MONSARRAT, ERIC, FR
[72] BENOIT, LUDOVIC, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **REAL-TIME MRI-PET-GUIDED RADIOTHERAPY SYSTEM WITH DOSE-DEPOSITION VERIFICATION**
[54] **SYSTEME DE RADIOTHERAPIE GUIDEE PAR IRM-PET EN TEMPS REEL AVEC VERIFICATION DE DEPOT DE DOSE**
[72] FALLONE, B. GINO, CA
[72] MURRAY, BRADLEY, CA
[71] ALBERTA HEALTH SERVICES, CA
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[54] **MIXTURES COMPRISING A BIOPESTICIDE AND A NITRIFICATION INHIBITOR**
[54] **MELANGES COMPRENANT UN BIOPESTICIDE ET UN INHIBITEUR DE NITRIFICATION**
[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
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[54] **STABILIZED THERMAL ENERGY OUTPUT SYSTEM**
[54] **SYSTEME DE PRODUCTION D'ENERGIE THERMIQUE STABILISEE**
[72] AHADI, AMIRHOSSEIN, CA
[72] LYNCH, GEORGE, US
[72] CROCKER, ADAM, US
[72] SUTHERLAND, STEPHEN, CA
[71] KELVIN THERMAL ENERGY, INC., CA
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[25] EN
[54] **METHOD FOR IMPROVING INLET FLOW PATTERN OF MULTIHOLE INFLOW PUMP STATION**
[54] **PROCEDE POUR AMELIORER UN MODE D'ECOULEMENT D'ENTREE D'UNE STATION DE POMPE D'ENTREE POREUSE**
[72] ZHANG, RUI, CN
[72] XU, HUI, CN
[72] CHEN, YULING, CN
[72] FENG, JIANGANG, CN
[72] WANG, XIAOSHENG, CN
[71] HOHAI UNIVERSITY, CN
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[54] **DISPOSITIF DE MESURE DE DISTANCE**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[71] HANGZHOU GREAT STAR TOOLS CO., LTD., CN
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[54] **PROCEDE DE MANIPULATION D'AU MOINS UN ECHANTILLON PATHOLOGIQUE**
[72] SIEVERT, MARIA, DE
[72] SIEVERT, DOMINIK, DE
[72] ZUBER, ROBIN, DE
[71] INVEOX GMBH, DE
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[54] **DIAGONAL RESONANCE SOUND AND ULTRASONIC TRANSDUCER**
[54] **TRANSDUCTEUR SONORE ET ULTRASONORE A RESONANCE DIAGONALE**
[72] ZHANG, SHUANGJIE, SG
[72] LIN, DIANHUA, SG
[72] LIM, LEONG CHEW, SG
[71] MICROFINE MATERIALS TECHNOLOGIES PTE LTD, SG
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[54] **CENTRIFUGE**
[54] **CENTRIFUGEUSE**
[72] MANN, WOLFGANG, DE
[72] HEIMBERG, WOLFGANG, DE
[72] FEIST, FRANK, US
[72] LIANG, DONG, DE
[71] BLUECATBIO GMBH, DE
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[54] **NODE PROCESSING**
[54] **TRAITEMENT DE N□UD**
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[72] XUE, ZHANGYING, CN
[71] 10353744 CANADA LTD., CA
[85] 2019-12-17
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[54] **COMPOSITION DE TYPE NANOEMULSION HUILE DANS L'EAU DE CLOBETASOL**
[72] SANAGUSTIN AQUILUE, JAVIER, ES
[72] LENDINEZ GRIS, MARIA DEL CARMEN, ES
[72] DELGADO GANAN, MARIA ISABEL, ES
[71] LABORATORIOS SALVAT, S.A., ES
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[54] **FORMES CRISTALLINES DE BETA-SITOSTEROL**
[72] PROHENS LOPEZ, RAFEL, ES
[72] BARBAS CANERO, RAFAEL, ES
[72] PORTELL BUESO, ANNA, ES
[72] PALOU MARCH, MARIONA, ES
[72] SERRA VICH, FRANCISCA, ES
[72] PALOU MARCH, ANDREU, ES
[71] CENTER FOR INTELLIGENT RESEARCH IN CRYSTAL ENGINEERING, S.L., ES
[71] ALIMENTOMICA, S.L., ES
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[54] **DOLLY FOR ATTACHMENT TO A VEHICLE HITCH**
[54] **CHARIOT DESTINE A ETRE FIXE A UN ATTELAGE DE VEHICULE**
[72] COUTURE, ETIENNE, CA
[72] GAMACHE, YVES, CA
[71] INOTEV INC., CA
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[54] **DENTAL LOCAL ANESTHETIC MICRONEEDLE ARRAY**
[54] **RESEAU DE MICRO-AIGUILLES D'ANESTHESIE LOCALE DENTAIRE**
[72] QUAN, YING-SHU, JP
[72] KAMIYAMA, FUMIO, JP
[71] COSMED PHARMACEUTICAL CO., LTD., JP
[85] 2019-12-17
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[87] (WO2019/088227)
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[25] EN
[54] **UV-CURABLE ANTI-SMUDGE AND ANTI-GRAFFITI COMPOSITIONS**
[54] **COMPOSITIONS ANTIMACULAGE ET ANTI-GRAFFITI DURCISSABLES AUX UV**
[72] ZHENG, CHAO, CN
[72] HU, HENG, CA
[72] LIU, GUOJUN, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[85] 2019-12-17
[86] 2018-07-06 (PCT/CA2018/050829)
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[30] US (62/529,275) 2017-07-06

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[25] EN
[54] **FLOATING, CLOSED, SELF-SUPPORTING FISH-FARMING CAGE COMPRISING A TUBULAR MEMBRANE MADE OF A POLYMER WITH HIGH MECHANICAL STRENGTH AND LOW BIOFOULING ADHESION, AND SYSTEM OF FISH-FARMING CAGES**
[54] **CAGE FLOTTANTE D'ELEVAGE DE POISSONS, FERMEE, AUTOPORTANTE COMPRENANT UNE MEMBRANE TUBULAIRE DE POLYMERE A HAUTE RESISTANCE MECANIQUE ET FAIBLE ADHERENCE A L'ENCRASSEMENT BIOLOGIQUE ET SYSTEME DE CAGES D'ELEVAGE DE POISSONS**
[72] BRONSTEIN GARIN, GUILLERMO OCTAVIO, CL
[71] BRONSTEIN GARIN, GUILLERMO OCTAVIO, CL
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[54] **FLOOR PANEL AND METHOD OF PRODUCING SUCH A FLOOR PANEL**
[54] **PANNEAU DE SOL ET PROCEDE DE FABRICATION D'UN TEL PANNEAU DE SOL**
[72] BAERT, THOMAS LUC MARTINE, BE
[72] DREVET, ANTHONY, CN
[71] CHAMPION LINK INTERNATIONAL CORPORATION, AI
[85] 2019-12-17
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[54] **ALCOXYLATION D'HYDROXYACIDES**
[72] EBERT, SOPHIA, DE
[72] RAETHER, ROMAN BENEDIKT, DE
[71] BASF SE, DE
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[54] **CENTRIFUGAL GAS SEPARATOR**
[54] **SEPARATEUR DE GAZ CENTRIFUGE**
[72] INGRAM, ERIK, CA
[72] KLOSSOK, RUDI, CA
[72] HEYWOOD, JOE, CA
[71] ETEROS TECHNOLOGIES INC., CA
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[25] EN
[54] **METHOD FOR SETTING UP APPROVAL ROLE ACCORDING TO DEPARTMENT BY APPROVAL NODE IN WORKFLOW**
[54] **PROCEDE DE CONFIGURATION D'UN ROLE D'APPROBATION EN FONCTION D'UN SERVICE AU MOYEN D'UN N□UD D'APPROBATION DANS UN FLUX DE TRAVAIL**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2019-12-17
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[54] **VIRTUAL REALITY APPARATUS**
[54] **APPAREIL A REALITE VIRTUELLE**
[72] CHAN, EVELYN, AU
[72] LEONG, PAUL, AU
[71] SMILEYSCOPE PTY. LTD., AU
[85] 2019-12-18
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[54] **APPROVAL WORKFLOW ENTRUSTING AND RE-ENTRUSTING METHOD**
[54] **ATTRIBUTION DE CONFIANCE DE FLUX DE TRAVAIL D'APPROBATION ET PROCEDE DE RE-ATTRIBUTION DE CONFIANCE**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2019-12-17
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[25] EN
[54] **TELESCOPIC CONVEYOR WITH CURVED SECTIONS**
[54] **TRANSPORTEUR TELESCOPIQUE A SECTIONS INCURVEES**
[72] EDWARDS, PHILIP, GB
[71] TELESTACK LIMITED, GB
[85] 2019-12-17
[86] 2018-06-14 (PCT/EP2018/065778)
[87] (WO2018/234143)
[30] GB (1710001.7) 2017-06-22

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[25] EN
[54] **THERMALLY ACTIVATED BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION THERMIQUEMENT ACTIVE**
[72] NIELSEN, JESPER, DK
[72] RIMMER, JULIAN DOUGLAS TYLDESLEY, GB
[72] TESSIER, SYLVIO, CA
[72] OLIVER, VASILIOS ANDREAS, CA
[72] LIU, HENG, CA
[72] HICKS, TROY, CA
[72] LAMOUREUX, TAMMY, CA
[72] JORDAN, SEAN, CA
[71] KVADRAT SOFT CELLS A/S, DK
[71] PRICE INDUSTRIES LIMITED, CA
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[25] EN
[54] **REFLECTIVE SOLAR APPARATUS**
[54] **DISPOSITIF D'ENERGIE SOLAIRE DU TYPE REFLECHISSANT**
[72] HU, XIAOPING, CN
[71] BOLYMEDIA HOLDINGS CO. LTD., US
[85] 2019-12-17
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[25] EN
[54] **AN APPARATUS FOR SUPPORTING A HEAVY VEHICLE BRAKE ASSEMBLY**
[54] **APPAREIL POUR SUPPORTER UN ENSEMBLE DE FREINAGE DE VEHICULE LOURD**
[72] JAMES, ALLAN MARTIN, AU
[71] WORKPLACE MAINTENANCE SOLUTIONS PTY LTD, AU
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[54] **ENSEMBLE DE PATHOLOGIE**
[72] SIEVERT, MARIA, DE
[72] SIEVERT, DOMINIK, DE
[71] INVEOX GMBH, DE
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[54] **PRO-DRUG PEPTIDE WITH IMPROVED PHARMACEUTICAL PROPERTIES**
[54] **PEPTIDE PRO-MEDICAMENT AYANT DES PROPRIETES PHARMACEUTIQUES AMELIOREES**
[72] ZIMMER, ROBERT H., FR
[72] GUICHARD, GILLES, FR
[72] FREMAUX, JULIETTE, FR
[72] VENIN, CLAIRE, FR
[72] GOUDREAU, SEBASTIEN, FR
[71] UREKA SARL, FR
[85] 2019-12-17
[86] 2018-06-29 (PCT/IB2018/000838)
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[30] US (62/526,678) 2017-06-29

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[51] **Int.Cl. C06B 45/10 (2006.01) C06B 25/20 (2006.01)**
[25] EN
[54] **COMPOSITION FOR SINGLE-BASE PROPELLING POWDER FOR AMMUNITION AND AMMUNITION PROVIDED WITH SUCH COMPOSITION**
[54] **COMPOSITION DESTINEE A UNE POUDRE PROPULSIVE A BASE UNIQUE DESTINEE A UNE MUNITION ET MUNITION COMPRENANT UNE TELLE COMPOSITION**
[72] IUDICI NICOLA, IT
[72] GIROTTI MICHELA, IT
[72] LEPORE, LAURA, IT
[71] SIMMEL DIFESA S.P.A., IT
[85] 2019-12-17
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[25] EN
[54] **INFLATABLE ANTENNA AND ASSOCIATED ASSEMBLIES**
[54] **ANTENNE GONFLABLE ET ENSEMBLES ASSOCIES**
[72] ATKINSON, ANDREW, GB
[72] MANASSEH, DAVE, GB
[72] SMITH, CLAYTON, GB
[71] SHAKESPEARE COMPANY, LLC, US
[85] 2019-12-17
[86] 2018-06-15 (PCT/US2018/037689)
[87] (WO2018/236677)
[30] US (62/521,970) 2017-06-19

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[51] **Int.Cl. G01H 17/00 (2006.01) G01M 3/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING WHETHER AN ACOUSTIC EVENT HAS OCCURRED ALONG A FLUID CONDUIT**
[54] **PROCEDE ET SYSTEME PERMETTANT DE DETECTER SI UN EVENEMENT ACOUSTIQUE S'EST PRODUIT LE LONG D'UN CONDUIT DE FLUIDE**
[72] JALILIAN, SEYED EHSAN, CA
[72] DANKERS, ARNE, CA
[72] WESTWICK, DAVID, CA
[71] HIFI ENGINEERING INC., CA
[85] 2019-12-18
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[25] EN
[54] **CORDLESS BLIND APPARATUS AND METHOD OF ADJUSTING A CORDLESS BLIND APPARATUS**
[54] **APPAREIL A STORE SANS CORDON ET PROCEDE DE REGLAGE D'UN APPAREIL A STORE SANS CORDON**
[72] JANG, SEONG-RYONG, KR
[71] WINTEC KOREA INC., KR
[85] 2019-12-17
[86] 2017-08-31 (PCT/KR2017/009578)
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[25] EN
[54] **SYSTEMS AND METHODS FOR RANKING CONTENT SOURCES BASED ON A NUMBER OF MEDIA ASSETS IDENTIFIED TO BE INTERESTING TO A USER**
[54] **SYSTEMES ET PROCEDES DE CLASSEMENT DE SOURCES DE CONTENU SUR LA BASE D'UN CERTAIN NOMBRE DE RESSOURCES MULTIMEDIA IDENTIFIEES COMME ETANT INTERESSANTES POUR UN UTILISATEUR**
[72] WITTKE, DAVID GERALD, US
[71] ROVI GUIDES, INC., US
[85] 2019-12-17
[86] 2018-06-18 (PCT/US2018/038077)
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[54] **TREATMENTS TO ELIMINATE HIV RESERVOIRS AND REDUCE VIRAL LOAD**
[54] **TRAITEMENTS POUR ELIMINER DES RESERVOIRS DE VIH ET REDUIRE LA CHARGE VIRALE**
[72] MULLER-TRUTWIN, MICHAELA, FR
[72] HUOT, NICOLAS, FR
[72] JACQUELIN, BEATRICE, FR
[71] INSTITUT PASTEUR, FR
[85] 2019-12-17
[86] 2018-06-25 (PCT/EP2018/066998)
[87] (WO2019/002228)
[30] US (62/524 996) 2017-06-26
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[54] **SCAFFOLD PROTEINS**
[54] **PROTEINES D'ECHAFAUDAGE**
[72] PLATT, GEOFF WILLIAM, GB
[72] SPENCE, GRAHAM ROBERT PYE-SMITH, GB
[71] AVACTA LIFE SCIENCES LIMITED, GB
[85] 2019-12-17
[86] 2018-07-02 (PCT/GB2018/051855)
[87] (WO2019/008335)
[30] GB (1710973.7) 2017-07-07

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[25] EN
[54] **POLYMORPHS OF MESOTRIONE METAL CHELATE AND PREPARATION PROCESS**
[54] **POLYMORPHES DE CHELATE METALLIQUE DE MESOTRIONE ET PROCEDE DE PREPARATION**
[72] DESAI, JIGNESH AMRUTLAL, IN
[72] PANCHAL, DIGISH MANUBHAI, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
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[86] 2018-06-15 (PCT/IB2018/054407)
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[25] FR
[54] **HIGH-FINENESS FABRY-PEROT CAVITY AND METHOD THEREFOR**
[54] **CAVITE FABRY-PEROT HAUTE FINESSE ET PROCEDE S'Y RAPPORTANT**
[72] MOURET, GAEL, FR
[72] HINDLE, FRANCIS, FR
[72] BOCQUET, ROBIN, FR
[71] UNIVERSITE DU LITTORAL COTE D'OPALE, FR
[85] 2019-12-18
[86] 2018-06-22 (PCT/EP2018/066796)
[87] (WO2019/002139)
[30] FR (1756059) 2017-06-29

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[25] EN
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[54] **POTEAU DE CLOTURE POUR UNE CLOTURE SOUPLE**
[72] BILLINGS, ANDREW W., US
[71] BILLINGS, ANDREW W., US
[85] 2019-12-17
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[30] US (15/628,061) 2017-06-20

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[25] EN
[54] **COLD SPRAY GUN AND COLD SPRAY APPARATUS EQUIPPED WITH THE SAME**
[54] **PISTOLET DE PULVERISATION A FROID ET DISPOSITIF DE PULVERISATION A FROID EQUIPE DUDIT PISTOLET**
[72] FUKANUMA, HIROTAKA, JP
[71] PLASMA GIKEN CO., LTD., JP
[85] 2019-12-17
[86] 2018-06-29 (PCT/JP2018/024845)
[87] (WO2019/009206)
[30] JP (2017-131921) 2017-07-05

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[54] **OPHTHALMIC LENS HAVING MORPHED SINUSOIDAL PHASE SHIFT STRUCTURES**
[54] **LENTILLE OPHTALMIQUE POURVUE DE STRUCTURES DE DEPHASAGE SINUSOIDAL MORPHE**
[72] MAXWELL, ANDREW DAVID, US
[72] HONG, XIN, US
[72] WEI, XIN, US
[71] ALCON INC., CH
[85] 2019-12-17
[86] 2018-07-24 (PCT/IB2018/055510)
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[25] EN
[54] **USE OF MAVOGLURANT IN THE REDUCTION OF ALCOHOL USE OR IN PREVENTING RELAPSE INTO ALCOHOL USE**
[54] **UTILISATION DE MAVOGLURANT DANS LA REDUCTION DE L'UTILISATION D'ALCOOL OU DANS LA PREVENTION DE RECHUTE DANS L'UTILISATION D'ALCOOL**
[72] DOLMETSCH, RICARDO, US
[72] GASPARINI, FABRIZIO, CH
[72] JOHNS, DONALD, US
[72] GOMEZ-MANCILLA, BALTAZAR, CH
[71] NOVARTIS AG, CH
[85] 2019-12-17
[86] 2018-07-30 (PCT/IB2018/055665)
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[30] US (62/539,008) 2017-07-31

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[25] EN
[54] **VORTEX FLUSH BALL VALVE AND METHOD**
[54] **SOUPAPE A BILLE A VIDANGE TOURBILLONNAIRE ET PROCEDE**
[72] DECKER, GIFFORD ZACH, US
[72] KASSAB, ASMAA SADEK, US
[72] HODGE, ANTHONY NEAL, US
[72] DIBBERN, ROBERT D., US
[71] MOGAS INDUSTRIES, INC., US
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[86] 2018-06-13 (PCT/US2018/037260)
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[30] US (62/518,939) 2017-06-13
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[25] EN
[54] **STRESS TEST GARMENT AND METHOD OF USE**
[54] **VETEMENT DE TEST D'EFFORT ET PROCEDE D'UTILISATION**
[72] SIMMONS, ASHLEY, US
[71] INNOVATION VENTURES IP AT UKHS, LLC, US
[85] 2019-12-17
[86] 2018-06-20 (PCT/US2018/038532)
[87] (WO2018/237025)
[30] US (62/522,462) 2017-06-20

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[25] EN
[54] **HUMAN ORAL MUCOSA STEM CELL SECRETOME**
[54] **SECRETOME DE CELLULES SOUCHES DE MUQUEUSE BUCCALE HUMAINE**
[72] PITARU, SANDU, IL
[71] RAMOT AT TEL-AVIV UNIVERSITY LTD., IL
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[54] **APPARATUS AND METHOD FOR HEATING A BEVERAGE**
[54] **APPAREIL ET PROCEDE DESTINES A CHAUFFER UNE BOISSON**
[72] CUMMER, MICHAEL, US
[72] KOLLER, IZAAK, US
[71] STARBUCKS CORPORATION, US
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[54] **MICRONEEDLE ARRAY FOR LIPS**
[54] **RESEAU DE MICRO-AIGUILLES POUR LEVRES**
[72] QUAN, YING-SHU, JP
[72] KAMIYAMA,FUMIO, JP
[72] TANAKA, HIROSHI, JP
[72] KONDO, NAOKO, JP
[71] COSMED PHARMACEUTICAL CO., LTD., JP
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[54] **COMPOSITIONS AND METHODS USING THE SAME FOR TREATMENT OF NEURODEGENERATIVE AND MITOCHONDRIAL DISEASE**
[54] **COMPOSITIONS ET METHODES LES UTILISANT POUR LE TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE ET MITOCHONDRIALE**
[72] DE ROULET, DANIEL, US
[72] DEVITA, ROBERT, US
[71] MITOKININ, INC., US
[85] 2019-12-17
[86] 2018-06-21 (PCT/US2018/038756)
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[30] US (62/522,840) 2017-06-21

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[54] **18F-LABELLED COMPOUND FOR PROSTATE CANCER DIAGNOSIS, AND USE THEREOF**
[54] **COMPOSE MARQUE AU 18F POUR LE DIAGNOSTIC DU CANCER DE LA PROSTATE ET SON UTILISATION**
[72] CHI, DAE YOON, KR
[72] LEE, BYOUNG SE, KR
[72] CHU, SO YOUNG, KR
[72] KIM, MIN HWAN, KR
[72] JUNG, WOON JUNG, KR
[72] JEONG, HYEON JIN, KR
[72] LEE, KYO CHUL, KR
[72] LEE, YONG JIN, KR
[72] PARK, JI AE, KR
[72] KIM, MI HYUN, KR
[72] YOO, RAN JI, KR
[72] LIM, SANG MOO, KR
[71] FUTURECHEM CO., LTD., KR
[85] 2019-12-17
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[87] (WO2018/236115)
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[54] **INORGANIC NON-CHROME AQUEOUS TREATMENT COMPOSITION AND PROCESS FOR COATING METAL SURFACES**
[54] **COMPOSITION DE TRAITEMENT AQUEUSE SANS CHROME INORGANIQUE ET PROCEDE DE REVETEMENT DE SURFACES METALLIQUES**
[72] CHURCH, RICHARD J., US
[71] BULK CHEMICALS, INC., US
[85] 2019-12-17
[86] 2018-06-25 (PCT/US2018/039255)
[87] (WO2019/005658)
[30] US (62/525,395) 2017-06-27
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[25] EN
[54] **A CAPSULE AND SYSTEM FOR PREPARING A BEVERAGE FROM SUCH CAPSULE WITH A SEAL MEMBER**
[54] **CAPSULE ET SYSTEME DE PREPARATION D'UNE BOISSON A PARTIR D'UNE TELLE CAPSULE DOTEE D'UN ELEMENT D'ETANCHEITE**
[72] BAMBAGIONI, GUIDO, IT
[72] GAVILLET, GILLES, CH
[72] KOLLEP, ALEXANDRE, CH
[72] DOLEAC, FREDERIC, FR
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2019-12-18
[86] 2018-06-18 (PCT/EP2018/066041)
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[54] **TECHNIQUES FOR DETECTING MEDIA PLAYBACK ERRORS**
[54] **TECHNIQUES DE DETECTION D'ERREURS DE LECTURE DE SUPPORT**
[72] TURMEL, FREDERIC, US
[72] NEWELL, NICHOLAS, US
[71] NETFLIX, INC., US
[85] 2019-12-17
[86] 2018-06-25 (PCT/US2018/039364)
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[25] EN
[54] **DESIGN OF SHIFT VALUES FOR QUASI-CYCLIC LDPC CODES**
[54] **CONCEPTION DE VALEURS DE DECALAGE DE CODES LDPC QUASI-CYCLIQUES**
[72] SANDBERG, SARA, SE
[72] ANDERSSON, MATTIAS, SE
[72] BLANKENSHIP, YUFEI, US
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-17
[86] 2018-06-26 (PCT/EP2018/067098)
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[51] **Int.Cl. B22F 9/08 (2006.01)**
[25] EN
[54] **METAL-POWDER PRODUCING APPARATUS, AND GAS JET DEVICE AND CRUCIBLE CONTAINER THEREOF**
[54] **DISPOSITIF DE FABRICATION DE POUDRE METALLIQUE, INJECTEUR DE GAZ ASSOCIE, ET CREUSET**
[72] SHIBAYAMA TAKASHI, JP
[72] EGUCHI SHIGENOBU, JP
[72] WANG YUTING, JP
[72] IMANO SHINYA, JP
[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
[85] 2019-12-17
[86] 2018-12-07 (PCT/JP2018/045159)
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[30] JP (2017-235314) 2017-12-07

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[51] **Int.Cl. E05D 15/40 (2006.01) E05D 15/46 (2006.01)**
[25] EN
[54] **FLAP FITTING AND ITEM OF FURNITURE**
[54] **FERRURE D'ABATTANT ET MEUBLE**
[72] SOBOLEWSKI, UWE, DE
[72] ANDSCHUS, STEFAN, DE
[72] TASCHE, MICHAEL, DE
[72] SCHAEL, OLIVER, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
[85] 2019-12-17
[86] 2018-06-26 (PCT/EP2018/067151)
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[25] EN
[54] **DEVICE AND METHOD FOR CONTROLLED AND MONITORED TRANSDERMAL DELIVERY OF ACTIVE AGENTS AND USE THEREOF**
[54] **DISPOSITIF ET PROCEDE D'ADMINISTRATION TRANSDERMIQUE CONTROLEE ET SURVEILLEE DE PRINCIPES ACTIFS ET LEUR UTILISATION**
[72] BIJELIC, GORAN, ES
[72] MONTEJO ESTEVEZ MANUEL, ES
[72] STRBAC, MATIJA, ES
[71] FUNDACION TECNALIA RESEARCH & INNOVATION, ES
[85] 2019-12-18
[86] 2018-06-23 (PCT/EP2018/066839)
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[25] EN
[54] **DAMPER ASSEMBLY AND FLAP FITTING**
[54] **ENSEMBLE AMORTISSEUR ET FERRURE POUR ABATTANT**
[72] KAISER, ANDRE, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
[85] 2019-12-17
[86] 2018-06-26 (PCT/EP2018/067153)
[87] (WO2019/007762)
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[51] **Int.Cl. A01J 5/017 (2006.01)**
[25] EN
[54] **MILKING ROBOT SYSTEM WITH SELECTABLE COMPLIANCE**
[54] **SYSTEME DE ROBOT DE TRAITE A SOUPLESSE SELECTIONNABLE**
[72] VOORSLUYS, MARIO HENRIQUE, NL
[72] VAN DORP, MICHIEL ADRIAAN, NL
[71] LELY PATENT N.V., NL
[85] 2019-12-17
[86] 2018-06-15 (PCT/NL2018/050393)
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[51] **Int.Cl. C01B 39/02 (2006.01) C01B 39/48 (2006.01)**
[25] EN
[54] **PROCESS FOR SSZ-39 SYNTHESIS USING MODIFIED REACTION COMPOSITION**
[54] **PROCEDE DE SYNTHESE DE SSZ-39 A L'AIDE D'UNE COMPOSITION DE REACTION MODIFIEE**
[72] MOULTON, ROGER, US
[72] LITTLE, CHARLES B., US
[71] SACHEM, INC., US
[85] 2019-12-13
[86] 2018-06-19 (PCT/US2018/038237)
[87] (WO2018/236836)
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[30] US (62/685,059) 2018-06-14

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[25] EN
[54] **ADDITIVE MANUFACTURED HEADER FOR HEAT EXCHANGERS**
[54] **COLLECTEUR POUR ECHANGEURS DE CHALEUR REALISE PAR FABRICATION ADDITIVE**
[72] VADDER, DAVEY, US
[71] EVAPCO, INC, US
[85] 2019-12-17
[86] 2018-06-28 (PCT/US2018/040092)
[87] (WO2019/006168)
[30] US (62/525,995) 2017-06-28
[30] US (16/022,265) 2018-06-28

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[51] **Int.Cl. C07D 311/86 (2006.01) C07D 335/16 (2006.01) C08L 83/06 (2006.01)**
[25] FR
[54] **FREE-RADICAL PHOTOINITIATORS AND USES OF SAME IN SILICONE COMPOSITIONS**
[54] **PHOTOAMORCEURS RADICALAIRES ET LEURS UTILISATIONS DANS LES COMPOSITIONS SILICONES**
[72] MALIVERNEY, CHRISTIAN, FR
[72] THEIL, PERRINE, FR
[72] FRANCES, JEAN-MARC, FR
[72] ALLONAS, XAVIER, FR
[72] IBRAHIM, AHMAD, FR
[71] ELKEM SILICONES FRANCE SAS, FR
[71] UNIVERSITE DE HAUTE ALSACE, FR
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[86] 2018-06-21 (PCT/FR2018/000177)
[87] (WO2018/234643)
[30] FR (17 00671) 2017-06-22

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[51] **Int.Cl. A01K 67/02 (2006.01) A61K 35/52 (2015.01) A61K 35/54 (2015.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS OF ESTIMATING GAMETE VARIATION**
[54] **PROCEDES D'ESTIMATION DE VARIATION DES GAMETES**
[72] HEUER, CLAAS, US
[71] INGURAN, LLC, US
[85] 2019-12-17
[86] 2018-06-29 (PCT/US2018/040353)
[87] (WO2019/006342)
[30] US (62/527,838) 2017-06-30

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[51] **Int.Cl. G16B 20/00 (2019.01) C12Q 1/6809 (2018.01) C12Q 1/6883 (2018.01) G16B 5/00 (2019.01) A61K 38/28 (2006.01) A61K 39/00 (2006.01) A61P 3/10 (2006.01) A61P 37/04 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE RISK TO DEVELOP TYPE 1 DIABETES**
[54] **METHODE DE DETERMINATION DU RISQUE DE DEVELOPPER UN DIABETE DE TYPE 1**
[72] ZIEGLER, ANETTE-G., DE
[72] BONIFACIO, EZIO, DE
[72] WINKLER, CHRISTIANE, DE
[72] KRUMSIEK, JAN, DE
[72] THEIS, FABIAN, DE
[72] ACHENBACH, PETER, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEITND UMWELT (GMBH), DE
[71] TECHNISCHE UNIVERSITAT DRESDEN, DE
[85] 2019-12-17
[86] 2018-06-27 (PCT/EP2018/067240)
[87] (WO2019/002364)
[30] EP (17178396.2) 2017-06-28
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[13] A1
[51] **Int.Cl. A47J 36/34 (2006.01)**
[25] EN
[54] **A STAND FOR A COOKING CONTAINER**
[54] **SUPPORT DESTINE A UN RECIPIENT DE CUISSON**
[72] RAYNE, DAMIAN, GB
[71] RAYNE, DAMIAN, GB
[85] 2019-12-17
[86] 2018-06-28 (PCT/EP2018/067474)
[87] (WO2019/002497)
[30] GB (1710362.3) 2017-06-28

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[51] **Int.Cl. A61C 5/42 (2017.01)**
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[54] **ENDODONTIC INSTRUMENT**
[54] **INSTRUMENT ENDODONTIQUE**
[72] HEATH, DEREK, US
[71] DENTSPLY SIRONA INC., US
[85] 2019-12-17
[86] 2018-07-05 (PCT/US2018/040871)
[87] (WO2019/014043)
[30] US (15/650,045) 2017-07-14

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[51] **Int.Cl. G16H 50/30 (2018.01) A61B 5/00 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **METHOD FOR SENSING OF BIOMETRIC DATA AND USE THEREOF FOR DETERMINING EMOTIONAL STATE OF A USER**
[54] **PROCEDE DE DETECTION DE DONNEES BIOMETRIQUES ET SON UTILISATION POUR DETERMINER L'ETAT EMOTIONNEL D'UN UTILISATEUR**
[72] GUPTA, RISHABH, CA
[72] ETEMAD, S. ALI, CA
[72] JAVAID, ABDUL, CA
[71] MYANT INC., CA
[85] 2019-12-18
[86] 2018-06-28 (PCT/CA2018/000133)
[87] (WO2019/000073)
[30] US (15/639,570) 2017-06-30

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[51] **Int.Cl. A01B 63/22 (2006.01) A01B 63/32 (2006.01)**
[25] EN
[54] **AGRICULTURAL MACHINE AND METHOD FOR OPERATING AN AGRICULTURAL MACHINE**
[54] **MACHINE AGRICOLE ET PROCEDE POUR FAIRE FONCTIONNER UNE MACHINE AGRICOLE**
[72] POULARD, JANNY, FR
[72] PASQUIER, GAETAN, FR
[71] KVERNELAND GROUP LES LANDES GENUSSON S.A.S, FR
[85] 2019-12-17
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[87] (WO2019/002537)
[30] EP (17179113.0) 2017-06-30

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[51] **Int.Cl. C07D 489/08 (2006.01)**
[25] EN
[54] **HYDROGENATION PROCESS FOR PREPARING OXYCODONE HYDROCHLORIDE FROM 14-HYDROXYCODEINONE**
[54] **PROCEDE D'HYDROGENATION POUR LA PREPARATION DE CHLORHYDRATE D'OXYCODONE A PARTIR DE 14-HYDROXYCODEINONE**
[72] GAUVREAU, PAUL, US
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2019-12-18
[86] 2018-06-12 (PCT/GB2018/051595)
[87] (WO2018/234748)
[30] US (62/522,392) 2017-06-20

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[51] **Int.Cl. A47G 27/02 (2006.01) E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01) E04F 19/02 (2006.01) E04F 19/06 (2006.01)**
[25] EN
[54] **THERAPY PLATFORM ANTI-FATIGUE MATTING**
[54] **TAPIS ANTI-FATIGUE A PLATE-FORME THERAPEUTIQUE**
[72] JOHNSON, PAUL R., US
[72] JOHNSON, ROBERT E., US
[71] JOHNSON TECHNOLOGIES CORPORATION, US
[85] 2019-12-17
[86] 2018-07-11 (PCT/US2018/041689)
[87] (WO2019/014377)
[30] US (15/646,273) 2017-07-11

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[13] A1
[51] **Int.Cl. A01B 63/22 (2006.01) A01B 69/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING AN AGRICULTURAL SYSTEM AND AGRICULTURAL SYSTEM**
[54] **PROCEDE DE FONCTIONNEMENT D'UN SYSTEME AGRICOLE ET SYSTEME AGRICOLE**
[72] KRAGGERUD, PER GUNNAR, NO
[72] HONKANEN, JOEL, NO
[71] KVERNELAND GROUP OPERATIONS NORWAY AS, NO
[85] 2019-12-17
[86] 2018-06-29 (PCT/EP2018/067556)
[87] (WO2019/002539)
[30] EP (17179116.3) 2017-06-30

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[51] **Int.Cl. G08B 21/18 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING BUILDING ALARM SYSTEMS**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE SYSTEMES D'ALARME DE BATIMENT**
[72] PEROS, STEVEN WALTER, CA
[71] PEROS, STEVEN WALTER, CA
[85] 2019-12-18
[86] 2018-06-20 (PCT/CA2018/050746)
[87] (WO2019/000080)
[30] US (62/527,381) 2017-06-30

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[13] A1
[51] **Int.Cl. A01B 63/112 (2006.01) A01B 63/14 (2006.01) A01B 67/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING OPERATION OF AN AGRICULTURAL SYSTEM AND AGRICULTURAL SYSTEM**
[54] **PROCEDE DE COMMANDE DE FONCTIONNEMENT D'UN SYSTEME AGRICOLE, ET SYSTEME AGRICOLE**
[72] PASQUIER, GAETAN, FR
[72] POULARD, JANNY, FR
[71] KVERNELAND GROUP LES LANDES GENUSSON S.A.S, FR
[85] 2019-12-17
[86] 2018-06-29 (PCT/EP2018/067577)
[87] (WO2019/002545)
[30] EP (17179108.0) 2017-06-30

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/18 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW ORAL FORMULATIONS OF BELINOSTAT**
[54] **NOUVELLES FORMULATIONS ORALES DE BELINOSTAT**
[72] PIVETTE, PERRINE, FR
[72] LEMARCHAND, CAROLINE, FR
[72] YATES, IAN, US
[72] BLOOM, COREY, US
[71] ONXEO, FR
[85] 2019-12-17
[86] 2018-06-29 (PCT/EP2018/067717)
[87] (WO2019/002614)
[30] US (62/527,684) 2017-06-30
[30] EP (17305853.8) 2017-07-03

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **EFFICIENT INTERLEAVER DESIGNS FOR POLAR CODES**
[54] **CONCEPTIONS D'ENTRELACEUR EFFICACES DESTINEES AUX CODES POLAIRES**
[72] LI, JIAN, US
[72] XU, CHANGLONG, US
[72] JIANG, JING, US
[72] XU, HAO, US
[72] HOU, JILEI, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-18
[86] 2017-08-04 (PCT/CN2017/096015)
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[13] A1
[51] **Int.Cl. H01M 4/88 (2006.01) H01M 8/22 (2006.01)**
[25] EN
[54] **SIMPLE ROUTE TO HIGHLY CONDUCTIVE POROUS GRAPHENE FROM CARBON NANODOTS FOR SUPERCAPACITOR APPLICATIONS**
[54] **CHEMIN SIMPLE MENANT DE NANOPOINTS DE CARBONE A UN GRAPHENE POREUX HAUTEMENT CONDUCTEUR POUR APPLICATIONS DE SUPERCONDENSATEURS**
[72] STRAUSS, VOLKER, US
[72] KANER, RICHARD B., US
[72] EL-KADY, MAHER F., US
[71] REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-12-17
[86] 2018-07-12 (PCT/US2018/041728)
[87] (WO2019/014404)
[30] US (62/532,684) 2017-07-14

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[13] A1
[51] **Int.Cl. B01J 35/04 (2006.01) B01J 37/02 (2006.01) B05B 1/34 (2006.01) B05D 1/18 (2006.01) B05D 7/22 (2006.01)**
[25] EN
[54] **COATING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'ENROBAGE**
[72] HASSELMANN, WOLFGANG, DE
[72] MASSON, STEPHANE, FR
[71] UMICORE AG & CO. KG, DE
[85] 2019-12-17
[86] 2018-07-05 (PCT/EP2018/068187)
[87] (WO2019/008076)
[30] EP (17180017.0) 2017-07-06

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[13] A1
[51] **Int.Cl. A61C 7/14 (2006.01)**
[25] EN
[54] **RETENTIVE ORTHODONTIC DENTAL APPLIANCES AND METHODS OF MAKING SAME**
[54] **APPAREILS DENTAIRES ORTHODONTIQUES DE RETENTION ET LEURS PROCEDES DE FABRICATION**
[72] MURRELL, FRED, CA
[71] MURRELL, FRED, CA
[85] 2019-12-18
[86] 2018-06-26 (PCT/CA2018/050785)
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[30] US (62/524,971) 2017-06-26

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[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **AGENT FOR THE PROPHYLACTIC AND/OR SUPPORTIVE THERAPEUTIC TREATMENT OF PARKINSON'S DISEASE**
[54] **ACIDE PROPIONIQUE ET/OU ACIDE BUTYRIQUE DESTINE(S) A ETRE UTILISE(S) POUR LE TRAITEMENT PROPHYLACTIQUE ET/OU THERAPEUTIQUE DE SOUTIEN DE LA MALADIE DE PARKINSON**
[72] PRZUNTEK, HORST, DE
[72] HAGHIKIA, AIDEN, DE
[71] PRZUNTEK, HORST, DE
[71] HAGHIKIA, AIDEN, DE
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[54] **METHOD OF APPLYING A MULTILAYER WET-ON-WET COATING TO A SUBSTRATE**
[54] **PROCEDE D'APPLICATION D'UN REVETEMENT MULTICOUCHE HUMIDE SUR HUMIDE SUR UN SUBSTRAT**
[72] KRAUS, JOHN, US
[72] WILLIAMS, MARCUS, US
[71] UMICORE AG & CO. KG, DE
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[54] **METHODS FOR DETECTION OF PLASMA CELL DYSCRASIA**
[54] **PROCEDES DE DETECTION DE DYSGLOBULINEMIE PLASMOCYTAIRE**
[72] MODLIN, IRVIN MARK, US
[72] KIDD, MARK, US
[72] DROZDOV, IGNAT, GB
[71] LIQUID BIOPSY RESEARCH LLC, KN
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[54] **APPARATUS AND METHODS FOR DEWATERING SLUDGE**
[54] **APPAREIL ET PROCEDES DE DESHYDRATATION DE BOUE**
[72] SULPHUR, TERRY, CA
[71] BIOVAC SOLUTION INC., CA
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[54] **UPLINK CONTROL CHANNEL RESOURCE DETERMINING METHOD, TERMINAL, AND NETWORK SIDE DEVICE**
[54] **PROCEDE DE DETERMINATION DE RESSOURCES DE CANAL DE COMMANDE DE LIAISON MONTANTE, TERMINAL ET DISPOSITIF COTE RESEAU**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **PROCESS AND PLANT FOR SEPARATORY PROCESSING OF A STARTING MIXTURE**
[54] **PROCEDE ET INSTALLATION POUR TRAITER UN MELANGE DE DEPART PAR TECHNIQUE DE SEPARATION**
[72] PHAM DUC, TUAT, DE
[72] HOFEL, TORBEN, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **DIRECTIONAL WIRELESS HOTSPOT DEVICE AND METHOD FOR POINTING A DIRECTIONAL ANTENNA**
[54] **DISPOSITIF DE POINT D'ACCES SANS FIL DIRECTIONNEL ET PROCEDE DE POINTAGE D'UNE ANTENNE DIRECTIONNELLE**
[72] FLEISCHER, DAVID, DK
[72] JORGSHOLM, MICHAEL, DK
[71] MIWIRE APS, DK
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[54] **METHOD OF PURIFYING GLYCOSYLATED PROTEIN FROM HOST CELL GALECTINS AND OTHER CONTAMINANTS**
[54] **PROCEDE DE PURIFICATION DE PROTEINE GLYCOSYLEE A PARTIR DE GALECTINES ET D'AUTRES CONTAMINANTS DE CELLULES HOTES**
[72] CONNELL-CROWLEY, LISA A., US
[72] MCCLURE, MEGAN J., US
[72] GILLESPIE, RONALD O., US
[71] JUST BIOTHERAPEUTICS, INC., US
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[54] **TIRE HEALTH SENSOR ASSEMBLY**
[54] **ENSEMBLE CAPTEUR DE SANTE DE PNEU**
[72] SKJERMO, TOR OISTEIN, NO
[72] BOLME, HAKON, NO
[71] EL-WATCH AS, NO
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[54] **UTILISATION DE COMPLEXES METALLIQUES DE MACROAZAPYRIDINOPHANES DANS LE TRAITEMENT DE MALADIES**
[72] MULLOR SANJOSE, JOSE LUIS, ES
[72] VAZQUEZ MANRIQUE, RAFAEL, ES
[72] GONZALEZ FERNANDEZ, DAVID, ES
[71] BIONOS BIOTECH, S.L, ES
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[54] **AN OPTICAL FIBER RIBBON AND A METHOD OF PRODUCING THE SAME**
[54] **RUBAN DE FIBRES OPTIQUES ET SON PROCEDE DE PRODUCTION**
[72] FALLAHMOHAMMADI, EHSAN, IT
[72] SACH, JOHN R., IT
[72] PARRIS, DONALD RAY, IT
[72] WELLS, BEN H., IT
[71] PRYSMIAN S.P.A., IT
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[54] **ABRI DE CONTENEUR EXTENSIBLE**
[72] BREZAN, JURAJ, SK
[72] HODAK, HENRICH, SK
[72] OCHODNICKY, PAVOL, SK
[71] ZEPELIN, S.R.O., SK
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[54] **SYSTEM AND METHOD FOR DRIVE MEMBER POSITION AND FLUID INJECTOR SYSTEM MECHANICAL CALIBRATION**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE MECANIQUE DE SYSTEME D'INJECTEUR DE FLUIDE ET DE POSITION D'ELEMENT D'ENTRAINEMENT**
[72] MCDERMOTT, MICHAEL, US
[72] MARSH, CHELSEA, US
[72] SPOHN, MICHAEL, US
[72] BARONE, WILLIAM, US
[72] TAHERI, SHAHAB, AU
[72] THU, HAN MIN, MM
[72] COLEMAN, DAVID, AU
[72] YOO, JEE HOON, AU
[71] BAYER HEALTHCARE LLC, US
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[54] **AN OPTICAL FIBER RIBBON ASSEMBLY AND A METHOD OF PRODUCING THE SAME**
[54] **ASSEMBLAGE DE RUBANS DE FIBRES OPTIQUES ET SON PROCEDE DE PRODUCTION**
[72] FALLAHMOHAMMADI, EHSAN, IT
[72] SACH, JOHN R., IT
[72] WELLS, BEN H., IT
[71] PRYSMIAN S.P.A., IT
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[54] **SAFETY SYRINGE WITH NEEDLE REDIRECTION DEVICE**
[54] **SERINGUE DE SECURITE DOTEE D'UN DISPOSITIF DE REDIRECTION D'AIGUILLE**
[72] SHAW, THOMAS J., US
[72] SMALL, MARK, US
[71] RETRACTABLE TECHNOLOGIES, INC., US
[71] SHAW, THOMAS J., US
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[54] **PROCESS AND APPARATUS FOR REMOVING POLYMER MATERIAL FROM A GAS-SOLIDS OLEFIN POLYMERIZATION REACTOR**
[54] **PROCEDE ET APPAREIL POUR ELIMINER UN MATERIAU POLYMERE D'UN REACTEUR DE POLYMERISATION D'OLEFINES GAZEUSES-SOLIDES**
[72] NYFORS, KLAUS, FI
[72] ELOVAINIO, ERNO, FI
[72] KANELLOPOULOS, VASILEIOS, AT
[72] WEICKERT, GUNTER, DE
[72] PRINSEN, ERIC-JAN, NL
[71] BOREALIS AG, AT
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[54] **COMPOSITIONS AND METHODS FOR MODULATING HAIR GROWTH**
[54] **COMPOSITIONS ET PROCEDES DE MODULATION DE LA POUSSE DES CHEVEUX**
[72] LOWRY, WILLIAM, E., US
[72] JUNG, MICHAEL, E., US
[72] CHRISTOFK, HEATHER, US
[72] LIU, XIAOGUANG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **ANTICORPS ANTI-ALLERGENES**
[72] AGUZZI, ADRIANO, CH
[72] WUILLEMIN, NATASCHA, CH
[72] SONATI, TIZIANA, CH
[72] BIELI, DIMITRI, CH
[71] MABYLON AG, CH
[71] UNIVERSITAET ZUERICH PROREKTORAT MNW, CH
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[54] **SYSTEM AND METHOD FOR PROCESSING PIECES OF PROTEIN**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE MORCEAUX DE PROTEINE**
[72] STAUFT, DANIEL B., US
[72] GILDERSLEEVE, OLIVER D., US
[72] AUERNHEIMER, MARK, US
[72] COWLES, JEFFREY, US
[72] SHEPARD, ZACHARY, US
[72] SHUTTE, JEFFREY H., US
[71] SUGAR CREEK PACKING CO., US
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[54] **METHOD FOR PROCESSING BIOMASS BY CO-GRINDING WITH A FOSSIL-BASED FEEDSTOCK**
[54] **PROCEDE DE TRAITEMENT DE LA BIOMASSE PAR CO-BROYAGE AVEC UNE CHARGE FOSSILE**
[72] PLENNEVAUX, THOMAS, FR
[72] GAZARIAN, JEREMY, FR
[72] BOURNAY, LAURENT, FR
[72] ULLRICH, NORBERT, DE
[71] IFP ENERGIES NOUVELLES, FR
[71] AXENS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[71] TOTAL RAFFINAGE CHIMIE, FR
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] AVRIL, FR
[71] BIONEXT, FR
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[54] **TRANSMISSION OF BSS LOAD ELEMENT IN WIRELESS LOCAL AREA NETWORK SYSTEM**
[54] **TRANSMISSION D'ELEMENT DE CHARGE BSS DANS UN SYSTEME DE RESEAU LOCAL SANS FIL**
[72] AU, KWOK SHUM, CA
[72] GAN, MING, CN
[72] YANG, XUN, CN
[72] ABOUL-MAGD, OSAMA, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **METHOD AND APPARATUS FOR POLAR CODING**
[54] **PROCEDE ET DISPOSITIF DE CODAGE DE CODES POLAIRES**
[72] DAI, SHENGCHEN, CN
[72] ZHANG, HUAZI, CN
[72] LI, RONG, CN
[72] QIAO, YUNFEI, CN
[72] ZHOU, YUE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **DISPOSITIF DE DEFIBRILLATEUR EXTERNE AUTOMATISE PORTABLE A USAGE UNIQUE**
[72] TEBER, EROL, AU
[72] CASEY, DONOVAN, AU
[71] CELLAED LIFE SAVER PTY LTD, AU
[85] 2019-12-18
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[25] EN
[54] **PROCESS OF MAKING PIG IRON IN A BLAST FURNACE USING PELLETS CONTAINING THERMOPLASTIC AND CELLULOSIC MATERIALS**
[54] **PROCEDE DE FABRICATION DE FONTE BRUTE DANS UN HAUT-FOURNEAU A L'AIDE DE GRANULES CONTENANT DES MATIERES THERMOPLASTIQUES ET CELLULOSIQUES**
[72] JENNISSEN, LARS, NL
[71] SUBCOAL INTERNATIONAL B.V., NL
[85] 2019-12-18
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[54] **TRANSFER MACHINE FOR LAYING EGGS ON A FLOOR OF A POULTRY HOUSE, SAID EGGS BEING LOCATED IN SETTER TRAYS IN WHICH THEY WERE SET**
[54] **MACHINE DE TRANSFERT POUR LA POSE D'□UFS SUR UN PLANCHER D'UN POULAILLER, LESDITS □UFS ETANT SITUES DANS DES PLATEAUX D'INCUBATION DANS LESQUELS ILS ONT ETE MIS EN INCUBATION**
[72] VERVAEKE, STEVEN, BE
[71] VERVAEKE-BELAVI, BE
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[54] **NOVEL T CELL RECEPTORS AND IMMUNE THERAPY USING THE SAME**
[54] **NOUVEAUX RECEPTEURS DE LYMPHOCYTES T ET IMMUNOTHERAPIE LES UTILISANT**
[72] WAGNER, CLAUDIA, DE
[72] ALTEN, LEONIE, DE
[72] BUNK, SEBASTIAN, DE
[72] MAURER, DOMINIK, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
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[25] EN
[54] **PANEL SUITABLE FOR FORMING A FLOOR COVERING, PROCESS FOR PRODUCING A PANEL, USE OF AN ADHESIVE PRECURSOR**
[54] **PANNEAU CONVENANT A LA FORMATION D'UN REVETEMENT DE SOL, PROCEDE DE PRODUCTION D'UN PANNEAU, UTILISATION D'UN PRECURSEUR ADHESIF**
[72] BAERT, THOMAS LUC MARTINE, BE
[72] DREVET, ANTHONY, CN
[71] CHAMPION LINK INTERNATIONAL CORPORATION, AI
[85] 2019-12-18
[86] 2018-06-26 (PCT/EP2018/067070)
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[54] **METHODS OF EXPANDING CHOLANGIOCYTES**
[54] **PROCEDES D'EXPANSION DE CHOLANGIOCYTES**
[72] VALLIER, LUDOVIC, GB
[72] HANNAN, NICHOLAS, GB
[72] SAEB-PARSY, KOUROSH, GB
[72] SAMPAZIOTIS, FOTIS, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
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[30] GB (1709704.9) 2017-06-19

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[25] EN
[54] **ANTIMICROBIAL PHOTOSENSITIZER COMPOSITION AND METHOD**
[54] **COMPOSITION PHOTOSENSIBLE ANTIMICROBIENNE ET PROCEDE**
[72] VAN-HAM, IRIT ITZHAKI, CA
[71] TOEFX INC., CA
[85] 2019-12-16
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[54] **FERRURE DE VOLET ET MEUBLE**
[72] SOBOLEWSKI, UWE, DE
[72] ANDSCHUS, STEFAN, DE
[72] TASCHE, MICHAEL, DE
[72] SCHAEL, OLIVER, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
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[86] 2018-06-26 (PCT/EP2018/067154)
[87] (WO2019/007763)
[30] DE (10 2017 114 775.6) 2017-07-03

[21] **3,067,763**
[13] A1
[51] **Int.Cl. A01K 61/10 (2017.01) A01K 29/00 (2006.01) A01K 63/06 (2006.01) H05B 33/08 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **A LIGHTING CONTROLLER, LIGHTING SYSTEM, LIGHTING METHOD, AND SALMON FARMING SYSTEM**
[54] **DISPOSITIF DE COMMANDE D'ECLAIRAGE, SYSTEME D'ECLAIRAGE, PROCEDE D'ECLAIRAGE ET SYSTEME D'ELEVAGE DE SAUMON**
[72] MIGAUD, HERVE, NL
[72] TANASE, CRISTINA, NL
[72] MOLS, RAINIER FRANCISCUS XAVERIUS ALPHONSUS MARIE, NL
[72] CLOKIE, BEN, NL
[71] SIGNIFY HOLDING B.V., NL
[85] 2019-12-18
[86] 2018-06-21 (PCT/EP2018/066505)
[87] (WO2018/234422)
[30] EP (17177335.1) 2017-06-22

[21] **3,067,764**
[13] A1
[51] **Int.Cl. B01J 19/24 (2006.01) B01J 4/00 (2006.01) B01J 12/00 (2006.01)**
[25] EN
[54] **GAS PROCESSING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT DE GAZ**
[72] NORRIS, FRANCISCO, GB
[72] NORRIS, PATRICIO, GB
[71] ZELP LTD, GB
[85] 2019-12-18
[86] 2018-06-20 (PCT/GB2018/000096)
[87] (WO2018/234729)
[30] EP (EP17176994.6) 2017-06-20

[21] **3,067,765**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IMIDAZO[1,2-A]PYRAZINE MODULATORS OF THE ADENOSINE A2A RECEPTOR**
[54] **MODULATEURS DE 5,6-BICYCLO-IMIDAZO[1,2-A]PYRAZINE DU RECEPTEUR A2A DE L'ADENOSINE**
[72] BOBOWSKA (NEE WITKOWSKA), ANETA, PL
[72] GALEZOWSKI, MICHAL, PL
[72] NOWAK, MATEUSZ, PL
[72] COMMANDEUR, CLAUDE, PL
[72] SZEREMETA-SPISAK, JOANNA, PL
[72] NOWOGRODZKI, MARCIN, PL
[72] OBARA, ALICJA, PL
[72] DZIELAK, ANNA, PL
[72] LOZINSKA, IWONA, PL
[72] DUDEK (NEE SEDLAK), MARCELINA, PL
[72] JANIGA, ANITA, PL
[72] REUS, JACEK, PL
[72] WRONOWSKI, MAREK, PL
[72] ZASTAWNA, MAGDALENA, PL
[72] RADZIMIERSKI, ADAM, PL
[72] SWIRSKI, MATEUSZ, PL
[72] ZACHMANN, JULIAN, DE
[72] FABRITIUS, CHARLES-HENRY, PL
[72] PORTER, ROD, GB
[72] FOGT, JOANNA, PL
[71] SELVITA S.A., PL
[85] 2019-12-18
[86] 2018-06-29 (PCT/EP2018/067701)
[87] (WO2019/002606)
[30] EP (17460038.7) 2017-06-30

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[13] A1
[51] **Int.Cl. B01D 17/02 (2006.01) C08F 6/00 (2006.01)**
[25] EN
[54] **A METHOD OF REDUCING THE ENTRAINMENT OF POLYMER IN THE POLYMER-LEAN LIQUID PHASE IN A SEPARATOR**
[54] **PROCEDE DE REDUCTION DE L'ENTRAINEMENT DE POLYMERE DANS LA PHASE LIQUIDE PAUVRE EN POLYMERE DANS UN SEPARATEUR**
[72] AL-HAJ ALI, MOHAMMAD, FI
[71] BOREALIS AG, AT
[85] 2019-12-18
[86] 2018-06-22 (PCT/EP2018/066788)
[87] (WO2019/002137)
[30] EP (17178698.1) 2017-06-29

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[13] A1
[51] **Int.Cl. B63B 1/00 (2006.01) B63B 19/00 (2006.01) B63B 21/00 (2006.01) B63B 35/00 (2006.01) B63B 43/00 (2006.01) E02B 17/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **CONTINUOUS VERTICAL TUBULAR HANDLING AND HOISTING BUOYANT STRUCTURE**
[54] **STRUCTURE FLOTTANTE DE LEVAGE ET MANIPULATION, TUBULAIRE, VERTICALE ET CONTINUE**
[72] VANDENWORM, NICOLAAS JOHANNES, US
[71] JURONG SHIPYARD PTE LTD., SG
[85] 2019-12-18
[86] 2018-06-26 (PCT/IB2018/054687)
[87] (WO2019/003096)
[30] US (15/634,718) 2017-06-27

[21] **3,067,768**
[13] A1
[51] **Int.Cl. C01C 1/02 (2006.01) C01B 21/06 (2006.01) C01C 1/04 (2006.01)**
[25] EN
[54] **AMMONIA PRODUCTION METHOD AND APPARATUS FOR AMMONIA PRODUCTION**
[54] **PROCEDE DE PRODUCTION D'AMMONIAC ET APPAREIL POUR LA PRODUCTION D'AMMONIAC**
[72] NATALI, FRANCK, NZ
[72] RUCK, BENJAMIN JOHN, NZ
[72] TRODAHL, HARRY JOSEPH, NZ
[71] VICTORIA LINK LIMITED, NZ
[85] 2019-12-18
[86] 2018-07-02 (PCT/IB2018/054910)
[87] (WO2019/008504)
[30] EP (17179326.8) 2017-07-03

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[13] A1
[51] **Int.Cl. A61F 13/472 (2006.01) A61F 13/47 (2006.01) A61F 13/551 (2006.01)**
[25] EN
[54] **FOLDED INDIVIDUAL ARTICLE IN A CIRCULAR PACKAGE**
[54] **ARTICLE INDIVIDUEL PLIE DANS UN EMBALLAGE CIRCULAIRE**
[72] KULKARNI, SARIKA, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2019-12-18
[86] 2018-06-28 (PCT/IB2018/054816)
[87] (WO2019/003183)
[30] US (62/527,191) 2017-06-30

[21] **3,067,770**
[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) C12N 5/077 (2010.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING TRANSPLANTABLE CARTILAGINOUS TISSUE**
[54] **PROCEDE DE FABRICATION DE TISSUS CARTILAGINEUX TRANSPLANTABLES**
[72] ROEL, GIULIETTA, DE
[72] KAPS, CHRISTIAN, DE
[72] ESCHEN, CLAUDIA, DE
[71] CO.DON AG, DE
[85] 2019-12-18
[86] 2018-06-22 (PCT/EP2018/066819)
[87] (WO2019/002148)
[30] EP (17177756.8) 2017-06-25

[21] **3,067,772**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **TREATMENT OF HAEMATOLOGICAL MALIGNANCIES**
[54] **TRAITEMENT DE MALIGNITES HEMATOLOGIQUES**
[72] GRIFFIOEN , MARIEKE, NL
[72] FALKENBURG, J. H. FREDERIK, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LEIDS UNIVERSITAIR MEDISCH CENTR, NL
[85] 2019-12-18
[86] 2018-06-28 (PCT/NL2018/050421)
[87] (WO2019/004831)
[30] NL (2019156) 2017-06-30
[30] NL (2020602) 2018-03-16

[21] **3,067,773**
[13] A1
[51] **Int.Cl. A61K 31/138 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/472 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/5025 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/565 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND MEDICAL USES**
[54] **METHODES ET UTILISATIONS MEDICALES**
[72] MARTIN, LESLEY-ANN, GB
[72] NIKITOROWICZ-BUNIAK, JOANNA, GB
[71] THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, GB
[71] BREAST CANCER NOW, GB
[85] 2019-12-18
[86] 2018-06-19 (PCT/GB2018/051694)
[87] (WO2018/234778)
[30] GB (1806133.3) 2018-04-13
[30] GB (1709837.7) 2017-06-20

[21] **3,067,774**
[13] A1
[51] **Int.Cl. B65G 57/03 (2006.01) B07C 5/36 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SORTING PLIES**
[54] **DISPOSITIF ET PROCEDE DE TRI DE COUCHES**
[72] VAN OVERBEEK, THOMAS THEODORUS ARNOLDUS, NL
[72] HOFSTEDE, CASPER MARINUS, NL
[72] VAN SIGHEM, JOHANNES PAUL, NL
[72] STELMA, TJALLING, NL
[71] AIRBORNE INTERNATIONAL B.V., NL
[85] 2019-12-18
[86] 2018-06-19 (PCT/NL2018/050397)
[87] (WO2018/236212)
[30] NL (2019094) 2017-06-19

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[13] A1
[51] **Int.Cl. A47B 49/00 (2006.01) A47B 77/10 (2006.01) A47B 81/02 (2006.01)**
[25] EN
[54] **CABINET WITH PULL-OUT SHELVES AND RELATED PULL-OUT MECHANISM**
[54] **ARMOIRE DOTEE D'ETAGERES COULISSANTES ET MECANISME COULISSANT ASSOCIE**
[72] TROMBETTONI, ROBERTO, IT
[72] SILVI, EMANUELE, IT
[71] INOXA SRL, IT
[85] 2019-12-18
[86] 2018-06-18 (PCT/IT2018/050108)
[87] (WO2018/235116)
[30] IT (102017000069780) 2017-06-22

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[13] A1
[51] **Int.Cl. A61K 31/138 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/472 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/5025 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/565 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND MEDICAL USES**
[54] **METHODES ET UTILISATIONS MEDICALES**
[72] MARTIN, LESLEY-ANN, GB
[72] NIKITOROWICZ-BUNIAK, JOANNA, GB
[71] THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, GB
[71] BREAST CANCER NOW, GB
[85] 2019-12-18
[86] 2018-06-19 (PCT/GB2018/051697)
[87] (WO2018/234780)
[30] GB (1709840.1) 2017-06-20

[21] **3,067,778**
[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **NON-CONTACT HEART RATE MONITORING**
[54] **SURVEILLANCE DE FREQUENCE CARDIAQUE SANS CONTACT**
[72] LORRAINE, PETER, US
[72] DAVENPORT, DAVID, US
[72] KAO, TZU-JEN, US
[72] OBI, AGHOGHO, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-12-18
[86] 2018-05-18 (PCT/US2018/033424)
[87] (WO2018/236503)
[30] US (15/627,509) 2017-06-20

[21] **3,067,779**
[13] A1
[51] **Int.Cl. B29C 53/04 (2006.01)**
[25] EN
[54] **METHOD OF FORMING A HOLLOW SPAR FOR AN AERIAL VEHICLE**
[54] **PROCEDE DE FORMATION D'UN LONGERON CREUX POUR UN VEHICULE AERIEN**
[72] ELSON, ANDREW CHARLES, GB
[72] CAMERON, DOUGLAS, GB
[72] SPOONER, JULIAN, GB
[71] ASTIGAN LIMITED, GB
[85] 2019-12-18
[86] 2018-06-20 (PCT/GB2018/051719)
[87] (WO2018/234797)
[30] GB (1709891.4) 2017-06-21

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[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01) C01B 21/26 (2006.01)**
[25] EN
[54] **AUTOTHERMAL AMMONIA CRACKING PROCESS**
[54] **PROCEDE DE CRAQUAGE AUTOTHERMIQUE D'AMMONIAC**
[72] SPETH, CHRISTIAN HENRIK, DK
[72] WIND, TOMMY LYKKE, DK
[72] DAHL, PER JUUL, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2019-12-17
[86] 2018-08-21 (PCT/EP2018/072488)
[87] (WO2019/038251)
[30] DK (PA 2017 00462) 2017-08-24
[30] DK (PA 2017 00551) 2017-10-02

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[13] A1
[51] **Int.Cl. B64C 3/14 (2006.01)**
[25] EN
[54] **AIRCRAFT LONGITUDINAL STABILITY**
[54] **STABILITE LONGITUDINALE D'AERONEF**
[72] ELSON, ANDREW CHARLES, GB
[72] CAMERON, DOUGLAS, GB
[72] HORNZEE-JONES, CHRISTOPHER, GB
[72] COSTELLO, HILARY, GB
[71] ASTIGAN LIMITED, GB
[85] 2019-12-18
[86] 2018-06-20 (PCT/GB2018/051720)
[87] (WO2018/234798)
[30] GB (1709887.2) 2017-06-21

[21] **3,067,782**
[13] A1
[51] **Int.Cl. B61L 25/02 (2006.01)**
[25] EN
[54] **RUNNING LOCATION IDENTIFICATION SYSTEM, RUNNING LOCATION IDENTIFICATION APPARATUS, AND RUNNING LOCATION IDENTIFICATION METHOD FOR RAILROAD CARS**
[54] **SYSTEME D'IDENTIFICATION DE POSITION DE DEPLACEMENT, APPAREIL D'IDENTIFICATION DE POSITION DE DEPLACEMENT ET PROCEDE D'IDENTIFICATION DE POSITION DE DEPLACEMENT POUR WAGON FERROVIAIRE**
[72] MITSUE, MASAYUKI, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2019-12-18
[86] 2017-06-30 (PCT/JP2017/024218)
[87] (WO2019/003436)

[21] **3,067,783**
[13] A1
[51] **Int.Cl. H04W 28/18 (2009.01) H04W 8/24 (2009.01) H04W 76/10 (2018.01) H04W 76/22 (2018.01)**
[25] EN
[54] **TERMINAL DEVICE AND CORE NETWORK DEVICE**
[54] **DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU CENTRAL**
[72] KAWASAKI, YUDAI, JP
[72] SUGAWARA, YASUO, JP
[72] ARAMOTO, MASAFUMI, JP
[72] TAKAKURA, TSUYOSHI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-12-18
[86] 2018-06-19 (PCT/JP2018/023200)
[87] (WO2018/235793)
[30] JP (2017-119515) 2017-06-19

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[13] A1
[51] **Int.Cl. A61K 35/545 (2015.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **AMELIORATION AND TREATMENT OF BRAIN DISORDER RESULTING FROM FETAL GROWTH RETARDATION USING PLURIPOTENT STEM CELLS**
[54] **AMELIORATION ET TRAITEMENT D'UN TROUBLE CEREBRAL RESULTANT D'UN RETARD DE CROISSANCE DE F□TUS A L'AIDE DE CELLULES SOUCHES PLURIPOTENTES**
[72] SATO, YOSHIAKI, JP
[72] KITASE, YUMA, JP
[72] SHIMIZU, SHINOBU, JP
[72] MIZUNO, MASAAKI, JP
[72] HAYAKAWA, MASAHIRO, JP
[72] DEZAWA, MARI, JP
[72] TSUJI, MASAHIRO, JP
[71] NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, JP
[71] TOHOKU UNIVERSITY, JP
[71] NATIONAL CEREBRAL AND CARDIOVASCULAR CENTER, JP
[71] LIFE SCIENCE INSTITUTE, INC., JP
[85] 2019-12-18
[86] 2018-06-20 (PCT/JP2018/023511)
[87] (WO2018/235878)
[30] JP (2017-120900) 2017-06-20

[21] **3,067,785**
[13] A1
[51] **Int.Cl. C01B 13/11 (2006.01)**
[25] EN
[54] **OZONE GENERATOR OF A GAS BLOW-THROUGH TYPE, ESPECIALLY TO PRODUCE A GAS MIXTURE OF OZONE/AIR OR OZONE/OXYGEN**
[54] **GENERATEUR D'OZONE A GAZ SOUFFLE, NOTAMMENT POUR PRODUIRE UN MELANGE GAZEUX OZONE/AIR OU OZONE/OXYGENE**
[72] BRUNNER, RITA, HU
[72] KOLTAY, PETER, HU
[71] OZONEXTRADE SZOLGALTATO, FEJLESZTO ES KERESKEDELMI KFT., HU
[85] 2019-12-18
[86] 2017-07-04 (PCT/HU2017/050026)
[87] (WO2018/007841)
[30] HU (U1600188) 2016-07-04

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[13] A1
[51] **Int.Cl. A61K 6/00 (2006.01) A61K 6/06 (2006.01)**
[25] EN
[54] **TWO-PASTE DENTAL CURABLE COMPOSITION**
[54] **COMPOSITION DURCISSABLE A USAGE DENTAIRE DE TYPE A DEUX PATES**
[72] KAWANA, MARIKO, JP
[72] HATANAKA, KENJI, JP
[72] ABE, MOMOE, JP
[71] KURARAY NORITAKE DENTAL INC., JP
[85] 2019-12-18
[86] 2018-06-28 (PCT/JP2018/024700)
[87] (WO2019/004391)
[30] JP (2017-126707) 2017-06-28

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[13] A1
[51] **Int.Cl. C07C 7/148 (2006.01) C10G 21/00 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR ELIMINATION OF HYDROGEN SULFIDE AND MERCAPTANS**
[54] **COMPOSITION ET PROCEDE D'ELIMINATION DE SULFURES D'HYDROGENE ET DE MERCAPTANS**
[72] POUKALOV, KONSTANTIN, US
[72] SEMENYUK, ALEXANDER, RU
[72] LIU, KEVIN G., US
[71] LYRA ENERGY SRL, BB
[85] 2019-12-18
[86] 2018-06-26 (PCT/IB2018/000801)
[87] (WO2019/002938)
[30] RU (2017122342) 2017-06-26

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[13] A1
[51] **Int.Cl. A61M 13/00 (2006.01)**
[25] EN
[54] **MEDICINE STORAGE CARTRIDGE WITH NOZZLE, SPRAYER THEREFOR, AND POWDERED MEDICINE DISPENSING DEVICE FOR NASAL CAVITY**
[54] **CARTOUCHE DE STOCKAGE DE MEDICAMENT DOTEE D'UNE BUSE, PULVERISATEUR ASSOCIE, ET DISPOSITIF DE DISTRIBUTION DE MEDICAMENT EN POUDRE POUR CAVITE NASALE**
[72] HARUTA, SHUNJI, JP
[72] SATOYOSHI, GENJI, JP
[72] MISHIMA, HIDEAKI, JP
[71] SHIN NIPPON BIOMEDICAL LABORATORIES, LTD., JP
[85] 2019-12-18
[86] 2018-08-17 (PCT/JP2018/030477)
[87] (WO2019/054121)
[30] JP (2017-177261) 2017-09-15

[21] **3,067,789**
[13] A1
[51] **Int.Cl. G06F 16/901 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **A SYSTEM AND METHOD IMPLEMENTING A SEARCH AND DISCOVERY LOOP TO HELP USERS QUICKLY NAVIGATE THROUGH STRUCTURED AND UNSTRUCTURED INFORMATION**
[54] **SYSTEME ET PROCEDE DE MISE EN □UVRE D'UNE BOUCLE DE RECHERCHE ET DE DECOUVERTE POUR AIDER DES UTILISATEURS A NAVIGUER RAPIDEMENT A TRAVERS DES INFORMATIONS STRUCTUREES ET NON STRUCTUREES**
[72] TAGLIABUE, JACOPO, US
[72] GRECO, CIRO, IT
[72] PAVONI, MATTIA, IT
[71] TOOSO INC., US
[85] 2019-12-18
[86] 2018-06-22 (PCT/IB2018/054616)
[87] (WO2018/235042)
[30] US (62/523,355) 2017-06-22

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[13] A1
[51] **Int.Cl. A61L 27/36 (2006.01) A61L 27/24 (2006.01)**
[25] EN
[54] **PREPARATION METHOD AND USAGE METHOD FOR CARTILAGE TISSUE RECOVERY COLLAGEN**
[54] **PROCEDE DE PREPARATION ET D'UTILISATION DE COLLAGENE POUR LA RECUPERATION D'UN TISSU CARTILAGINEUX**
[72] LEE, JOON HO, KR
[72] YOO, JI CHUL, KR
[72] SUH, DONG SAM, KR
[72] CHANG, CHEONG HO, KR
[71] SEWONCELLONTEC CO., LTD., KR
[85] 2019-12-18
[86] 2017-07-06 (PCT/KR2017/007220)
[87] (WO2018/230765)
[30] KR (10-2017-0076098) 2017-06-15

[21] **3,067,791**
[13] A1
[51] **Int.Cl. B04C 5/18 (2006.01) B04C 5/24 (2006.01)**
[25] EN
[54] **HYDROCYCLONE SEPARATOR**
[54] **SEPARATEUR A HYDROCYCLONE**
[72] KNORR, BRIAN, US
[72] GRONVALL, LARS, SE
[72] GALLIMORE, MATT, US
[71] METSO MINERALS INDUSTRIES, INC., US
[85] 2019-12-18
[86] 2018-06-22 (PCT/US2018/038938)
[87] (WO2018/237238)
[30] EP (17177480.5) 2017-06-22
[30] US (15/966,900) 2018-04-30

[21] **3,067,793**
[13] A1
[51] **Int.Cl. B04C 5/02 (2006.01) B04C 5/23 (2006.01)**
[25] EN
[54] **HYDROCYCLONE SEPARATOR**
[54] **SEPARATEUR HYDROCYCLONE**
[72] KNORR, BRIAN, US
[72] GRONVALL, LARS, SE
[71] METSO MINERALS INDUSTRIES, INC., US
[85] 2019-12-18
[86] 2018-06-22 (PCT/US2018/038942)
[87] (WO2018/237240)
[30] EP (17177481.3) 2017-06-22

[21] **3,067,794**
[13] A1
[51] **Int.Cl. B63B 25/16 (2006.01) F17C 9/02 (2006.01)**
[25] EN
[54] **RE-LIQUEFACTION SYSTEM OF EVAPORATIVE GAS AND SHIP**
[54] **SYSTEME DE RELIQUEFACTION DE GAZ D'EVAPORATION ET NAVIRE**
[72] PARK, JONG WAN, KR
[72] LEE, JIN KWANG, KR
[72] KANG, MIN HO, KR
[72] CHOI, JOE YOUNG, KR
[72] YOO, BYEONG YONG, KR
[72] LEE, TAE SEOK, KR
[72] KIM, DAE SOO, KR
[72] HONG, WON JONG, KR
[72] KO, YOON AE, KR
[71] HYUNDAI HEAVY INDUSTRIES CO., LTD, KR
[85] 2019-12-18
[86] 2018-06-12 (PCT/KR2018/006673)
[87] (WO2018/230950)
[30] KR (10-2017-0078371) 2017-06-21
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[71] KVERNELAND GROUP OPERATIONS NORWAY AS, NO
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[54] **PISTES MAGNETIQUES A TENSION AUTOMATIQUE ET ENSEMBLES PISTES**
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[72] GROSS, JAN, US
[71] DEFENDER SCREENS INTERNATIONAL LLC, US
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[54] **COMPOSITION THERMOPLASTIQUE POUR SCELLER DES JOINTS DE CHAUSSEE**
[72] WILKINS, VINCENT, US
[72] HEAVNER, MAXWELL, US
[72] SEROPIAN, PAUL, US
[72] WILLIAMS, SCOTT, US
[72] SEELEY, SCOTT, US
[72] KENNEDY, MARK, US
[71] ENNIS PAINT, INC., US
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[54] **PHOTOCATALYTIC REACTOR CELL**
[54] **CELLULE DE REACTEUR PHOTOCATALYTIQUE**
[72] KHATIWADA, SUMAN, US
[72] BEST, TREVOR WILLIAM, US
[71] SYZYGY PLASMONICS INC., US
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[54] **REACTEUR PHOTOCATALYTIQUE AYANT DE MULTIPLES CELLULES DE REACTEUR PHOTOCATALYTIQUE**
[72] KHATIWADA, SUMAN, US
[72] BEST, TREVOR WILLIAM, US
[71] SYZYGY PLASMONICS INC., US
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[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **INSTRUMENT A TUBE DE PITOT**
[72] MOSS, ROBERT AUSTIN, US
[72] MA, SHILEI, US
[71] DWYER INSTRUMENTS, INC., US
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[54] **DISPERSIONS AQUEUSES, COMPOSITIONS DE REVETEMENT FORMEES DE DISPERSIONS AQUEUSES, ET REVETEMENTS A COUCHES MULTIPLES**
[72] XU, XIANGLING, US
[72] ZHOU, HONGYING, US
[72] SADVARY, RICHARD J., US
[72] SWARUP, SHANTI, US
[71] PPG INDUSTRIES OHIO, INC., US
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[54] **DISPOSITIFS D'ELEMENTS BOSSELES A RF EN 2D ET EN 3D POUR UN SYSTEME A RF DANS DES SUBSTRATS DE VERRE PHOTO-ACTIFS EN GROUPE**
[72] FLEMMING, JEB H., US
[72] BULLINGTON, JEFF, US
[72] MCWETHY, KYLE, US
[71] 3D GLASS SOLUTIONS, INC., US
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[54] **NAVIGATION MULTIDIMENSIONNELLE DANS UNE CHAMBRE CORPORELLE**
[72] WEISZ, GIORA, US
[72] TOBIS, IDAN, IL
[71] WEISZ, GIORA, US
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[54] **THIN AND TEXTURIZED FILMS HAVING FULLY UNIFORM COVERAGE OF A NON-SMOOTH SURFACE DERIVED FROM AN ADDITIVE OVERLAYING PROCESS**
[54] **FILMS MINCES ET TEXTURES PERMETTANT UNE COUVERTURE TOTALEMENT UNIFORME D'UNE SURFACE NON LISSE DERIVEE D'UN PROCESSUS DE SUPERPOSITION ADDITIVE**
[72] KLEYMAN, ARDY, S., US
[72] WANG, DAMING, US
[72] HUGHES, KASEY, US
[71] PRAXAIR S.T. TECHNOLOGY, INC., US
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[54] **METHODE D'AMELIORATION DE LA STABILITE DE L'AROME DANS DES BOISSONS FERMENTEES**
[72] FOSTER, ROBERT T., II, US
[72] QUILLIAM, WARREN R., US
[72] REFLING, JAY R., US
[72] KAY, SUSAN B., US
[72] MANUELE, ANTHONY, US
[71] COORS BREWING COMPANY, US
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[54] **REACTOR SYSTEMS COMPRISING FLUID RECYCLING**
[54] **SYSTEMES DE REACTEUR COMPRENANT UN RECYCLAGE DE FLUIDE**
[72] PRETZ, MATTHEW T., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **PANNEAU DE CONNEXION A HAUTE DENSITE AVEC CASSETTES MODULAIRES**
[72] VOGEL, MARK A., US
[71] AFL TELECOMMUNICATIONS LLC, US
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[54] **DISPOSITIFS SUPPORTS DE CABLES POUR RESEAUX DE COMMUNICATION A FIBRES OPTIQUES**
[72] KRANZ, STEVEN E., US
[72] WELBORN, MATTHEW G., US
[71] AFL TELECOMMUNICATIONS LLC, US
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[54] **PRISE EN CHARGE D'AUTORISATION DE TIERS POUR DES FONCTIONS D'UN ENVIRONNEMENT INFORMATIQUE INTERACTIF**
[72] TALWAR, HRISHI, US
[71] EQUIFAX, INC., US
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[54] **ORALLY DISSOLVING MELATONIN FORMULATION WITH ACIDIFYING AGENT THAT RENDERS MELATONIN SOLUBLE IN SALIVA**
[54] **FORMULATION DE MELATONINE A DISSOLUTION ORALE AVEC AGENT ACIDIFIANT QUI REND LA MELATONINE SOLUBLE DANS LA SALIVE**
[72] SHAH, SYED M., US
[72] HASSAN, DANIEL, US
[72] HASSAN, FRED, US
[72] CORSINO, PATRICK, US
[71] PHYSICIAN'S SEAL, LLC, US
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[54] **SYSTEME DE DISTRIBUTION DE BOISSONS**
[72] MADDEN, JOSEPH, US
[72] JERSEY, STEVEN T., US
[72] LOOMIS, SCOTT, US
[72] UBIDIA, FERNANDO, US
[71] PEPSICO, INC., US
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[54] **SYSTEM, METHOD, AND COMPUTER-ACCESSIBLE MEDIUM FOR VIRTUAL PANCREATOGRAPHY**
[54] **SYSTEME, PROCEDE ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR UNE PANCREATOGRAPHIE VIRTUELLE**
[72] KAUFMAN, ARIE, US
[72] DMITRIEV, KONSTANTIN, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
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[54] **APPLICATEURS CONCUS POUR APPLIQUER DES CAPTEURS D'ANALYTES TRANSCUTANES ET PROCEDES DE FABRICATION ASSOCIES**
[72] BAKER, JOSEPH J., US
[72] PUPA, PHILLIP THOMAS, US
[72] GOLDSMITH, TIMOTHY JOSEPH, US
[72] BODNAR, JON, US
[72] HALAC, JASON, US
[72] GRAY, JOHN MICHAEL, US
[72] JOHNSTON, NEAL DAVIS, US
[72] ENGLAND, JUSTEN DEERING, US
[72] SIMPSON, PETER C., US
[72] NEALE, PAUL V., US
[72] BLACKWELL, JENNIFER, US
[72] WELLS, MARIA NOEL BROWN, US
[72] PIRONDINI, KENNETH, US
[72] REINHARDT, ANDREW MICHAEL, US
[72] KEMPKEY, MARK DOUGLAS, US
[72] LEE, YOUNG WOO, US
[72] TERRY, WARREN, US
[72] CASTAGNA, PATRICK JOHN, US
[72] KELLER, DAVID A., US
[72] KOPLIN, RANDALL SCOTT, US
[72] JONCICH, ANDREW, US
[71] DEXCOM, INC., US
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[54] **METHANE CONVERSION APPARATUS AND PROCESS USING A SUPERSONIC FLOW REACTOR**
[54] **APPAREIL DE CONVERSION DE METHANE ET PROCEDE UTILISANT UN REACTEUR A FLUX SUPERSONIQUE**
[72] BEDARD, ROBERT L., US
[72] NAUNHEIMER, CHRISTOPHER, US
[72] TOWLER, GAVIN P., US
[72] LEONARD, LAURA E., US
[72] DUDEBOUT, RODOLPHE, US
[72] WOODCOCK, GREORY O., US
[72] MITTENDORF, DONALD L., US
[72] SATTAR, AZIZ, US
[72] GATTO, CHRISTOPHER D., US
[72] MURRAY, ROBERT S., US
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[54] **PROCESSEURS A HAUT DEBIT**
[72] CATILLER, ROBERT D., US
[72] ROIG, DANIEL, US
[72] ELUMALAI, GNANASHANMUGAM, US
[71] ICAT LLC, US
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[54] **IMMUNOSIGNATURES POUR DIAGNOSTIC DIFFERENTIEL**
[72] GERWIEN, ROBERT WILLIAM, US
[72] TARASOW, THEODORE MICHAEL, US
[72] MELNICK, JONATHAN SCOTT, US
[71] HEALTHTELL INC., US
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[54] **IMMUNOCONJUGUES D'ANTICORPS ROR1**
[72] LANNUTTI, BRIAN, US
[72] JESSEN, KATTI, US
[72] VO, THANH-TRANG, US
[72] WATKINS, JEFFRY DEAN, US
[71] VELOSBIO INC., US
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[54] **SELECTION DE FREQUENCES DE RELAIS DANS UN REPETEUR**
[72] LOTTER, MICHIEL PETRUS, US
[71] NEXTIVITY, INC., US
[85] 2019-12-18
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[54] **METHODS AND SYSTEMS FOR ELECTRONIC CONTENT DELIVERY**
[54] **PROCEDES ET SYSTEMES DE DISTRIBUTION DE CONTENU ELECTRONIQUE**
[72] AHADI, SHAFIQ S., US
[71] EADDRESS LLC, US
[85] 2019-12-18
[86] 2018-06-19 (PCT/US2018/038292)
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[54] **MACHINE LEARNING OF GAMBLING BEHAVIOR**
[54] **APPRENTISSAGE AUTOMATIQUE DE COMPORTEMENT DE JEU DE HASARD**
[72] RUTHERFORD, MALCOLM, US
[72] LOPEZ, RICK, US
[72] VALENTINO, HENRY, III, US
[72] CORONEL, JACK, US
[71] ECONNECT, INC., US
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[30] US (62/522,061) 2017-06-19
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[54] **ATTELLE GONFLABLE**
[72] YEIP, CARL, US
[72] FULLER, MATTHEW, US
[71] AERO MED DESIGN TECH LLC, US
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[54] **ANTI-VISTA ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-VISTA ET METHODES D'UTILISATION**
[72] FILBERT, ERIN L., US
[72] TAN, CHRISTINE, US
[72] BJORCK, PIA, US
[72] YANG, XIAODONG, US
[71] APEXIGEN, INC., US
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[54] **PRODUCTION OF HEAVY BRINES BY CALCINATION OF CARBONATES USING PLASMA ARC REACTOR**
[54] **PRODUCTION DE SAUMURES EPAISSES PAR CALCINATION DE CARBONATES AU MOYEN D'UN REACTEUR A ARC PLASMA**
[72] DIGHE, SHYAM VASANT, US
[72] LEE, JONG MIN, US
[71] AQUASOURCE TECHNOLOGIES CORPORATION, US
[85] 2019-12-18
[86] 2018-06-20 (PCT/US2018/038419)
[87] (WO2018/236951)
[30] US (62/522,309) 2017-06-20

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[13] A1
[51] **Int.Cl. C11D 17/00 (2006.01) C11D 3/386 (2006.01) C12N 11/00 (2006.01)**
[25] EN
[54] **LOW-AGGLOMERATION, ENZYME-CONTAINING PARTICLES**
[54] **PARTICULES CONTENANT UNE ENZYME A FAIBLE AGGLOMERATION**
[72] DALE, DOUGLAS A., US
[71] DANISCO US INC, US
[85] 2019-12-18
[86] 2018-06-28 (PCT/US2018/039927)
[87] (WO2019/006077)
[30] US (62/527,396) 2017-06-30

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[13] A1
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 23/00 (2006.01)**
[25] EN
[54] **SENSOR BRACKET SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SUPPORT DE CAPTEUR**
[72] RATCLIFFE, JAMES DAVID, GB
[72] GILL, TIMOTHY, GB
[72] HARRIS, NEIL GEOFFREY, GB
[72] HITCHCOCK, IAN, GB
[71] SONDEX WIRELINE LIMITED, GB
[85] 2019-12-18
[86] 2018-06-20 (PCT/US2018/038561)
[87] (WO2018/237047)
[30] US (62/522,351) 2017-06-20

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[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01)**
[25] EN
[54] **REFILLABLE DISPENSERS HAVING RESERVOIRS AND REFILL CONTAINERS CONFIGURED FOR FLUID AND AIR TRANSFER THEREBETWEEN**
[54] **DISTRIBUTEURS RECHARGEABLES A RESERVOIRS ET RECIPIENTS DE RECHARGE CONCUS POUR UN TRANSFERT DE FLUIDE ET D'AIR ENTRE CEUX-CI**
[72] MARSHALL, AARON D., US
[72] CIAVARELLA, NICK E., US
[72] HARRIS, DONALD RUSSELL, US
[71] GOJO INDUSTRIES, INC., US
[85] 2019-12-18
[86] 2018-07-06 (PCT/US2018/041053)
[87] (WO2019/010393)
[30] US (62/529,812) 2017-07-07

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) F04B 43/00 (2006.01) F04B 43/02 (2006.01) F04B 43/14 (2006.01)**
[25] EN
[54] **MEDICAL PUMP WITH FLOW CONTROL**
[54] **POMPE MEDICALE AVEC CONTROLE DU DEBIT**
[72] DIPERNA, PAUL M., US
[72] ROSE, FREEMAN, US
[72] GOLDMAN, MARC, US
[71] QUASURAS, INC., US
[85] 2019-12-18
[86] 2018-07-05 (PCT/US2018/040944)
[87] (WO2019/010324)
[30] US (62/529,086) 2017-07-06

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[13] A1
[51] **Int.Cl. F16J 15/02 (2006.01) F16J 15/32 (2016.01) F16J 15/40 (2006.01)**
[25] EN
[54] **GREASE CHANNEL FOR REDUCING GAS PERMEATION INTO VACUUM CHAMBERS**
[54] **RAINURE DE GRAISSAGE PERMETTANT DE REDUIRE LA PERMEATION GAZEUSE DANS DES CHAMBRES A VIDE**
[72] BAKHOLDIN, DANIEL, US
[72] TENNESSEN, PETER THOMAS, US
[72] GARTEN, MATTHEW BRANDON, US
[72] HOLLOWAY, MARK J., US
[71] AMBER KINETICS, INC., US
[85] 2019-12-18
[86] 2018-07-05 (PCT/US2018/040925)
[87] (WO2019/010308)
[30] US (62/529,407) 2017-07-06
[30] US (16/017,115) 2018-06-25

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[13] A1
[51] **Int.Cl. H04L 5/14 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR TIME DIVISION DUPLEX COEXISTENCE CONFIGURATION**
[54] **TECHNIQUES ET APPAREILS POUR UNE CONFIGURATION DE COEXISTENCE EN DUPLEXAGE PAR REPARTITION DANS LE TEMPS**
[72] KHOSHNEVISAN, MOSTAFA, US
[72] MESHKATI, FARHAD, US
[72] KNISELY, DOUGLAS, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-18
[86] 2018-07-03 (PCT/US2018/040772)
[87] (WO2019/027616)
[30] US (62/539,869) 2017-08-01
[30] US (16/013,790) 2018-06-20

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[51] **Int.Cl. C07K 14/415 (2006.01) C12N 5/00 (2006.01) C12N 15/09 (2006.01) C12P 21/00 (2006.01) C12P 21/06 (2006.01)**
[25] EN
[54] **CELL CULTURE PROCESS FOR MAKING A GLYCOPROTEIN**
[54] **PROCEDE DE CULTURE CELLULAIRE POUR PRODUIRE UNE GLYCOPROTEINE**
[72] CHEN, JOHN, US
[72] LAWRENCE, SHAWN, US
[72] JOHNSON, AMY, US
[72] LONEY, THEODORE, US
[72] PANGULE, RAVINDRA, US
[72] HANG, TA-CHUN, US
[72] CARVER, SCOTT, US
[72] SCHILLING, BERNHARD, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-18
[86] 2018-07-03 (PCT/US2018/040734)
[87] (WO2019/010191)
[30] US (62/529,471) 2017-07-06
[30] US (62/625,744) 2018-02-02

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[51] **Int.Cl. C12N 9/64 (2006.01) A61K 47/68 (2017.01) A61K 38/48 (2006.01) A61K 48/00 (2006.01) C07K 19/00 (2006.01) C12N 9/48 (2006.01) C12N 15/57 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **MODIFIED MEMBRANE TYPE SERINE PROTEASE 1 (MTSP-1) POLYPEPTIDES AND METHODS OF USE**
[54] **POLYPEPTIDES DE SERINE PROTEASE 1 DE TYPE A MEMBRANE MODIFIEE (MTSP-1) ET LEURS PROCEDES D'UTILISATION**
[72] MADISON, EDWIN L., US
[72] SOROS, VANESSA, US
[72] POPKOV, MIKHAIL, US
[71] CATALYST BIOSCIENCES, INC., US
[85] 2019-12-18
[86] 2018-06-21 (PCT/US2018/038844)
[87] (WO2018/237201)
[30] US (62/523,735) 2017-06-22
[30] US (62/664,051) 2018-04-27

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[13] A1
[51] **Int.Cl. B65D 65/02 (2006.01)**
[25] EN
[54] **EXTENSIBLE PAPER AND ITS USE IN THE PRODUCTION OF EXPANDED SLIT PACKAGING WRAP AND VOID FILL PRODUCTS**
[54] **PAPIER EXTENSIBLE ET SON UTILISATION DANS LA PRODUCTION D'ENVELOPPE D'EMBALLAGE A FENTE ETENDUE ET DE PRODUITS DE REMPLISSAGE DE VIDE**
[72] GOODRICH, DAVID PAUL, US
[71] GOODRICH, DAVID PAUL, US
[85] 2019-12-18
[86] 2018-06-26 (PCT/US2018/039416)
[87] (WO2019/005739)
[30] US (62/524,905) 2017-06-26

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[13] A1
[51] **Int.Cl. C07C 321/14 (2006.01) C08F 12/08 (2006.01) C08K 5/372 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS STABILIZED WITH ORGANOPOLYSULFIDES**
[54] **COMPOSITIONS POLYMERES STABILISEES AVEC DES ORGANOPOLYSULFURES**
[72] FORTMAN, GEORGE CHARLES, US
[72] STEHMAN, JONATHAN PEARCE, US
[72] VRAKAS, STEPHANIE CHRISTINA, US
[72] WOOD, KURT, US
[71] ARKEMA INC., US
[85] 2019-12-18
[86] 2018-06-28 (PCT/US2018/039901)
[87] (WO2019/006060)
[30] US (62/526,536) 2017-06-29

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 7/00 (2006.01) E21B 41/00 (2006.01) E21B 43/25 (2006.01) H02K 7/00 (2006.01)**
[25] EN
[54] **ELECTRIC POWER DISTRIBUTION FOR FRACTURING OPERATION**
[54] **DISTRIBUTION D'ENERGIE ELECTRIQUE POUR OPERATION DE FRACTURATION**
[72] MORRIS, JEFFREY G., US
[72] BODISHBAUGH, ADRIAN BENJAMIN, US
[72] JENSEN, NEAL, US
[71] EVOLUTION WELL SERVICES, LLC, US
[85] 2019-12-18
[86] 2018-06-28 (PCT/US2018/039982)
[87] (WO2019/006108)
[30] US (62/526,869) 2017-06-29

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[13] A1
[51] **Int.Cl. A61K 33/20 (2006.01) C01B 11/04 (2006.01) C01D 3/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS AND USES FOR CLEANING, DISINFECTING AND/OR STERILIZING**
[54] **COMPOSITIONS, PROCEDES ET UTILISATIONS POUR LE NETTOYAGE, LA DESINFECTION ET/OU LA STERILISATION**
[72] ALIMI, HOJABR, US
[72] PRASAD, SRIDHAR GOVINDA, US
[72] DE, SURYA KANTA, US
[71] COLLIDION, INC., US
[85] 2019-12-18
[86] 2018-06-28 (PCT/US2018/040155)
[87] (WO2019/006217)
[30] US (62/526,175) 2017-06-28
[30] US (62/577,225) 2017-10-26

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[13] A1
[51] **Int.Cl. C10G 1/10 (2006.01) C07C 4/06 (2006.01) C08J 11/10 (2006.01) C10B 53/07 (2006.01) C10G 1/02 (2006.01) C10G 29/20 (2006.01) C10G 55/06 (2006.01)**
[25] EN
[54] **A METHOD FOR THE PRODUCTION OF DIESEL**
[54] **PROCEDE DE PRODUCTION DE DIESEL**
[72] MAJOR, PHILIP, AU
[72] JIA, JIMMY, AU
[71] CDP INNOVATIONS PTY LTD, AU
[85] 2019-12-19
[86] 2017-06-23 (PCT/AU2017/000137)
[87] (WO2018/000014)
[30] AU (2016902509) 2016-06-27

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[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 9/72 (2006.01) A61K 31/00 (2006.01) A61P 11/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING LUNG INFLAMMATION**
[54] **METHODE DE REDUCTION D'UNE INFLAMMATION PULMONAIRE**
[72] CLEMENTS, BARRY, AU
[71] RESPIRION PHARMACEUTICALS PTY LTD, AU
[85] 2019-12-19
[86] 2018-06-20 (PCT/AU2018/050609)
[87] (WO2018/232452)
[30] AU (2017902365) 2017-06-20

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[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 9/72 (2006.01) A61K 31/00 (2006.01) A61K 31/702 (2006.01) A61P 11/00 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING LUNG INFECTION**
[54] **PROCEDE DESTINE A REDUIRE LES INFECTIONS PULMONAIRES**
[72] CLEMENTS, BARRY, AU
[71] RESPIRION PHARMACEUTICALS PTY LTD, AU
[85] 2019-12-19
[86] 2018-06-20 (PCT/AU2018/050610)
[87] (WO2018/232453)
[30] AU (2017902364) 2017-06-20
[30] AU (2018900765) 2018-03-08

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[13] A1
[51] **Int.Cl. B60J 5/04 (2006.01) B60J 5/10 (2006.01) B60S 1/58 (2006.01)**
[25] EN
[54] **LIFTGATE REINFORCEMENT ARRANGEMENTS**
[54] **AGENCEMENTS DE RENFORCEMENT DE HAYON**
[72] KUNTZE, CHRISTOPHER, US
[72] WOODSON, PAUL, US
[72] CHAAYA, RIAD, US
[72] PABIAN, MIKE, US
[71] MAGNA EXTERIORS INC., CA
[85] 2019-12-18
[86] 2018-06-29 (PCT/US2018/040242)
[87] (WO2019/006271)
[30] US (62/527,569) 2017-06-30

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[13] A1
[51] **Int.Cl. B65G 59/06 (2006.01) B65H 1/06 (2006.01) B65H 3/00 (2006.01)**
[25] EN
[54] **PALLET BLOCKING APPARATUS AND RELATED METHOD AND SYSTEM**
[54] **APPAREIL DE BLOCAGE DE PALETTES ET PROCEDE ET SYSTEME ASSOCIES**
[72] REDMAN, PAUL W., CA
[71] REDMAN, PAUL W., CA
[85] 2019-12-19
[86] 2018-06-27 (PCT/CA2018/050796)
[87] (WO2019/000096)
[30] US (62/525,414) 2017-06-27

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/52 (2013.01)**
[25] EN
[54] **DETECTING SYNTHETIC ONLINE ENTITIES FACILITATED BY PRIMARY ENTITIES**
[54] **DETECTION D'ENTITES EN LIGNE SYNTHETIQUES FACILITEES PAR DES ENTITES PRIMAIRES**
[72] BROWN, CHRIS, US
[72] PATEL, RAKESH, US
[72] MULLINAX, JOHN, US
[72] COLE, TROY, US
[72] FARACH, JULIO, US
[72] GRICE, LEE, US
[72] WADKINS, PATRICK, US
[72] STRONG, ERIK, US
[72] BOYNES, CORDELL, US
[71] EQUIFAX INC., US
[85] 2019-12-18
[86] 2018-06-29 (PCT/US2018/040245)
[87] (WO2019/006272)
[30] US (62/527,660) 2017-06-30

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CELL REPROGRAMMING METHODS FOR PRODUCING CHONDROCYTES**
[54] **METHODES DE REPROGRAMMATION CELLULAIRE POUR PRODUIRE DES CHONDROCYTES**
[72] KAFIENAH, WAEL, GB
[72] GOUGH, JULIAN, GB
[71] MOGRIFY LIMITED, GB
[85] 2019-12-19
[86] 2018-06-21 (PCT/AU2018/050617)
[87] (WO2018/232459)
[30] AU (2017902385) 2017-06-21

[21] **3,067,863**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CELL REPROGRAMMING TO CARDIOMYOCYTES**
[54] **REPROGRAMMATION CELLULAIRE EN CARDIOMYOCYTES**
[72] GOUGH, JULIAN, GB
[72] RACKHAM, OWEN, GB
[72] COOPER-WHITE, JUSTIN, GB
[71] MOGRIFY LIMITED, GB
[85] 2019-12-19
[86] 2018-06-21 (PCT/AU2018/050616)
[87] (WO2018/232458)
[30] AU (2017902384) 2017-06-21

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[13] A1
[51] **Int.Cl. G01V 8/10 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **DISTRIBUTED SENSING INTERROGATOR USING SINGLE-MODE FIBER FOR MULTI-MODE FIBER INTERROGATION**
[54] **INTERROGATEUR A DETECTION DISTRIBUEE UTILISANT UNE FIBRE MONOMODE POUR INTERROGATION DE FIBRE MULTIMODE**
[72] LEBLANC, MICHEL JOSEPH, US
[72] THERRIEN, JASON EDWARD, US
[72] ELLMAUTHALER, ANDREAS, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-18
[86] 2018-07-31 (PCT/US2018/044696)
[87] (WO2019/032340)
[30] US (62/543,338) 2017-08-09

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[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **AUTO-INJECTOR WITH ANTI-ROLL FEATURES**
[54] **AUTO-INJECTEUR A ELEMENTS STABILISATEURS**
[72] NICHOLAS, COURTNEY, US
[72] BARTON, SCOTT, US
[72] BURGESS, BART, US
[72] GORALTCHOUK, ALEXEI, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-18
[86] 2018-06-29 (PCT/US2018/040282)
[87] (WO2019/006296)
[30] US (62/527,408) 2017-06-30

[21] **3,067,866**
[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **COOKING DEVICE AND COMPONENTS THEREOF**
[54] **DISPOSITIF DE CUISSON ET COMPOSANTS DE CELUI-CI**
[72] GILL, AARON MICHAEL, US
[72] RICHARDSON, ROSS, US
[72] ZABEL, NAOMI KALIA WILLIAMS, US
[72] DENG, DA, US
[72] GURSEL, METE, TR
[72] TATTERSFIELD, ANDREW JOHN ROY, GB
[72] DENHAM, NIALL CHRISTOPHER, GB
[72] JACKSON, ROGER NEIL, GB
[72] LEAHY, RONAN PATRICK, GB
[72] WHITE, EVAN JAMES, US
[72] GUERIN, THOMAS, US
[72] MARTIN, CHRIS, US
[72] LAVINS, NATHANIEL R., US
[72] SWANHART, MACKENZIE LEE, US
[72] FERGUSON, SAMUEL ANDREW, US
[72] STEWART, SCOTT JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[85] 2019-12-18
[86] 2018-08-09 (PCT/US2018/046077)
[87] (WO2019/032876)
[30] US (62/543,082) 2017-08-09

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[13] A1
[51] **Int.Cl. A61M 3/02 (2006.01)**
[25] EN
[54] **AN ENEMA DEVICE AND A METHOD OF REFILLING SAID DEVICE WITH AN ENEMA**
[54] **DISPOSITIF DE LAVEMENT (ENEMA) ET PROCEDE DE REMPLISSAGE DUDIT DISPOSITIF AVEC UN LAVEMENT**
[72] HAGEN, THIT ROSE, DK
[72] DUQUE, ANA LATORRE, ES
[71] MBH-INTERNATIONAL A/S, DK
[85] 2019-12-19
[86] 2018-06-28 (PCT/DK2018/050169)
[87] (WO2019/001674)
[30] DK (PA 2017 70531) 2017-06-30

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[13] A1
[51] **Int.Cl. C12Q 1/6848 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **MOLECULAR FINGERPRINTING METHODS TO DETECT AND GENOTYPE DNA TARGETS THROUGH POLYMERASE CHAIN REACTION**
[54] **PROCEDES D'EMPREINTE MOLECULAIRE POUR DETECTER ET GENOTYPER DES CIBLES D'ADN PAR REACTION EN CHAINE PAR POLYMERASE**
[72] IPPODRINO, RUDY, IT
[72] MARINI, BRUNA, IT
[72] AVIAN, ALICE, IT
[72] MOCENIGO, MARCO, IT
[72] FOSCHI, NICOLA, IT
[72] MAURO, ELISABETTA, IT
[72] MONTRONE, MICHELE, IT
[71] ULISSE BIOMED S.P.A, IT
[85] 2019-12-19
[86] 2017-06-20 (PCT/IT2017/000125)
[87] (WO2018/235109)

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[13] A1
[51] **Int.Cl. G01V 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE NON-INTRUSIVE INSPECTION OF VESSELS**
[54] **SYSTEME ET METHODE POUR L'INSPECTION NON INTRUSIVE DES EMBARCATIONS**
[72] TUDOR, MIRCEA, CH
[71] MIRCEA TUDOR SCAN TECH SA, CH
[85] 2019-12-19
[86] 2018-05-03 (PCT/CH2018/050014)
[87] (WO2018/205042)
[30] CH (00612/17) 2017-05-08

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[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01) G01J 3/12 (2006.01) G01N 21/25 (2006.01) G01N 21/64 (2006.01) G02B 21/36 (2006.01)**
[25] EN
[54] **MSIA SCANNING INSTRUMENT WITH INCREASED DYNAMIC RANGE**
[54] **INSTRUMENT DE BALAYAGE MSIA A PLAGE DYNAMIQUE ACCRUE**
[72] DIXON, ARTHUR EDWARD, CA
[71] DIXON, ARTHUR EDWARD, CA
[85] 2019-12-19
[86] 2018-06-22 (PCT/CA2018/050764)
[87] (WO2018/232521)
[30] US (62/523,545) 2017-06-22

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[13] A1
[51] **Int.Cl. A61K 31/473 (2006.01) C07D 401/02 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **ANTI-CANCER/ANTI-FIBROSIS COMPOUNDS**
[54] **COMPOSES ANTICANCEREUX/ANTI-FIBROSE**
[72] JABLONS, DAVID M., US
[72] XU, WEI, US
[72] YOU, LIANG, US
[72] LIU, SHU, US
[72] YUAN, SHENDONG, US
[72] MA, SUNGHOON, US
[72] MAC, MORRISON, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] METKINE THERAPEUTICS, INC., US
[85] 2019-12-18
[86] 2018-07-31 (PCT/US2018/044663)
[87] (WO2019/028059)
[30] US (62/539,237) 2017-07-31

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[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **CAS-TRANSGENIC MOUSE EMBRYONIC STEM CELLS AND MICE AND USES THEREOF**
[54] **CELLULES SOUCHES EMBRYONNAIRES DE SOURIS TRANSGENIQUES CAS ET SOURIS ET LEURS UTILISATIONS**
[72] GONG, GUOCHUN, US
[72] HUNT, CHARLEEN, US
[72] KAJIMURA, DAISUKE, US
[72] HARTFORD, SUZANNE, US
[72] ZAMBROWICZ, BRIAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-12-18
[86] 2018-07-31 (PCT/US2018/044615)
[87] (WO2019/028032)
[30] US (62/539,275) 2017-07-31

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[13] A1
[51] **Int.Cl. A61K 31/495 (2006.01) A61K 31/519 (2006.01) C07D 487/14 (2006.01)**
[25] EN
[54] **MORPHIC FORMS OF GIT38 AND METHODS OF MANUFACTURE THEREOF**
[54] **FORMES MORPHIQUES DE GIT38 ET LEURS PROCEDES DE FABRICATION**
[72] SMITH, ALEXANDER, US
[72] WHITE, HANNAH S., US
[72] ANDRES, PATRICIA, US
[72] SUN, XUFENG, US
[72] ZHU, LEI, US
[72] VLAHOVA, PETINKA I., US
[71] G1 THERAPEUTICS, INC., US
[85] 2019-12-18
[86] 2018-06-29 (PCT/US2018/040435)
[87] (WO2019/006393)
[30] US (62/526,937) 2017-06-29

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[13] A1
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[54] **TREATMENT OF BLEPHARITIS**
[54] **TRAITEMENT DE BLEPHARITE**
[72] PATEL, BIREN, CA
[71] FINE COTTON FACTORY INC., CA
[85] 2019-12-19
[86] 2018-06-19 (PCT/CA2018/050743)
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[30] US (62/521,832) 2017-06-19

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[54] **BACILLUS AMYLOLIQUEFACIENS QV15 SECONDARY METABOLISM STIMULANT FOR THE SECONDARY METABOLISM OF PHENOLIC COMPOUNDS AND THE INHIBITORY CAPACITY OF RASPBERRY AND STRAWBERRY EXTRACTS FOR ENZYMES RELATED TO METABOLIC SYNDROME**
[54] **BACILLUS AMYLOLIQUEFACIENS QV15 STIMULANT DU METABOLISME SECONDAIRE DE COMPOSES PHENOLIQUES ET DE LA CAPACITE INHIBITRICE DES EXTRAITS DE FRAMBOISE ET DE FRAISE SUR LES ENZYMES ASSOCIES AU SYNDROME METABOLIQUE**
[72] GUTIERREZ ALBANCHEZ, ENRIQUE, ES
[72] GUTIERREZ MANERO, FRANCISCO JAVIER, ES
[72] LUCAS GARCIA, JOSE ANTONIO, ES
[72] RAMOS SOLANO, BEATRIZ, ES
[71] FUNDACION UNIVERSITARIA SAN PABLO, ES
[85] 2019-12-19
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[54] **METHODS FOR DNA TARGETS DETECTION DIRECTLY IN CRUDE SAMPLES THROUGH POLYMERASE CHAIN REACTION AND GENOTYPING VIA HIGH RESOLUTION MELTING ANALYSIS**
[54] **PROCEDES POUR LA DETECTION D'ADN CIBLES DIRECTEMENT DANS DES ECHANTILLONS BRUTS PAR REACTION EN CHAINE PAR POLYMERASE ET GENOTYPAGE PAR LE BIAIS D'UNE ANALYSE DE FUSION A HAUTE RESOLUTION**
[72] IPPODRINO, RUDY, IT
[72] MARINI, BRUNA, IT
[72] AVIAN, ALICE, IT
[72] MOCENIGO, MARCO, IT
[72] FOSCHI, NICOLA, IT
[72] MAURO, ELISABETTA, IT
[71] ULISSE BIOMED S.P.A, IT
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[54] **PRODUCTION AND USE OF FURAN COMPOUNDS**
[54] **PRODUCTION ET UTILISATION DE COMPOSES FURANE**
[72] CANALLE, LUIZ A., NL
[72] VAN SCHIJNDEL, JACK A.M., NL
[72] MOLENDIJK, DENNIS, NL
[72] LAZEROMS, ROBERT, NL
[72] RANOUX, ADELINE, NL
[72] RAAIJMAKERS, HARRY, NL
[71] COOPERATIE KONINKLIJKE COSUN U.A., NL
[85] 2019-12-19
[86] 2018-06-22 (PCT/NL2018/050404)
[87] (WO2018/236218)
[30] EP (17177604.0) 2017-06-23

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[54] **METHOD FOR THE PRODUCTION OF PROTEIN AND FIBER RICH AIRY FOOD PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT ALIMENTAIRE AERE RICHE EN PROTEINES ET EN FIBRES**
[72] OSMANOGLOU, ERAL, NL
[72] FRANKEN, WOUTER MATTHIJS, NL
[71] ZERO CARB COMPANY B.V., NL
[85] 2019-12-19
[86] 2018-06-22 (PCT/NL2018/050405)
[87] (WO2018/236219)
[30] NL (2019117) 2017-06-23

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[25] EN
[54] **OPERATION OF A USER EQUIPMENT AND A RECEIVING RADIO NODE BASED ON A HARQ CODEBOOK, CONFIGURED BY A CONFIGURING RADIO NODE**
[54] **FONCTIONNEMENT D'UN EQUIPEMENT UTILISATEUR ET D'UN N□UD RADIO DE RECEPTION SUR LA BASE D'UN LIVRE DE CODES HARQ CONFIGURE PAR UN N□UD RADIO DE CONFIGURATION**
[72] DAHLMAN, ERIK, SE
[72] BALDEMAIR, ROBERT, SE
[72] PARKVALL, STEFAN, SE
[72] ANDERSSON, MATTIAS, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-19
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[25] EN
[54] **CRITICAL INFRASTRUCTURE SECURITY FRAMEWORK**
[54] **CADRE DE SECURITE D'INFRASTRUCTURE CRITIQUE**
[72] SOLIMAN, TAMER, CA
[72] LUSKIND, YURI, CA
[72] TSEITIN, BORIS, CA
[71] IS5 COMMUNICATIONS, INC., CA
[85] 2019-12-19
[86] 2018-07-04 (PCT/CA2018/000138)
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[25] EN
[54] **POWER SUPPLY ASSEMBLY FOR PLUMBING FIXTURE**
[54] **ENSEMBLE D'ALIMENTATION ELECTRIQUE POUR APPAREIL DE PLOMBERIE**
[72] BUSH, SHAWN D., US
[71] I-CON SYSTEMS, INC., US
[85] 2019-12-18
[86] 2018-07-05 (PCT/US2018/040916)
[87] (WO2019/010302)
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[25] EN
[54] **PACKAGED LIQUID FABRIC SOFTENER COMPOSITION HAVING IMPROVED STABILITY**
[54] **COMPOSITION D'ADOUCISSANT TEXTILE LIQUIDE CONDITIONNEE POSSEDANT UNE STABILITE AMELIOREE**
[72] SAVEYN, PIETER JAN MARIA, BE
[72] VAES, DRIES, BE
[72] ORLANDINI, LAURA, CH
[72] FERNANDEZ-PRIETO, SUSANA, BE
[72] VAN HECKE, EVELYNE JOHANNA LUTGARDE, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-12-18
[86] 2018-07-10 (PCT/US2018/041350)
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[54] **METHOD AND MICROSCOPY SYSTEM FOR RECORDING AN IMAGE**
[54] **PROCEDE ET SYSTEME DE MICROSCOPIE SERVANT A PRENDRE UNE IMAGE**
[72] PANNHOFF, HELGE, DE
[72] HAGEN-EGGERT, MARTIN, DE
[72] MORRIN, MARKUS, DE
[72] MULLER, MATTHIAS, DE
[72] SUMPF, TILMAN JOHANNES, DE
[71] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
[85] 2019-12-19
[86] 2018-06-20 (PCT/EP2018/066494)
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[54] **HIGH-SPEED DEWATERING AND PULVERIZING TURBINE**
[54] **TURBINE DESHYDRATEUSE ET PULVERATRICE HAUTE VITESSE**
[72] ARAOS ALMENDRAS, ROBERTO ENRIQUE, CL
[71] BIODRYINGTECH SPA, CL
[71] EMPRESAS IANSA S.A., CL
[85] 2019-12-19
[86] 2017-06-21 (PCT/CL2017/050026)
[87] (WO2018/232539)

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[25] EN
[54] **TRACKED TICKET VALIDATION AND FEEDBACK SYSTEM**
[54] **SYSTEME DE VALIDATION DE TICKET SUIVI ET DE RETROACTION**
[72] KAYHANI, NIOSHA, GB
[72] REYMANN, STEFFEN, GB
[71] CUBIC CORPORATION, US
[85] 2019-12-18
[86] 2018-07-12 (PCT/US2018/041816)
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[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **SECURITY KEY DERIVATION FOR HANDOVER**
[54] **DERIVATION DE CLE DE SECURITE POUR TRANSFERT INTERCELLULAIRE**
[72] LEE, SOO BUM, US
[72] ESCOTT, ADRIAN EDWARD, US
[72] PALANIGOUNDER, ANAND, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-12-18
[86] 2018-07-16 (PCT/US2018/042292)
[87] (WO2019/022983)
[30] US (62/538,626) 2017-07-28
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[25] EN
[54] **A COMMUNICATION SYSTEM AND A METHOD OF COMMUNICATION**
[54] **SYSTEME DE COMMUNICATION ET PROCEDE DE COMMUNICATION**
[72] FREEMAN, JONATHAN, GB
[72] ESSAFI, DANIEL, GB
[71] FLASHY LIMITED, GB
[85] 2019-12-19
[86] 2017-05-16 (PCT/EP2017/061777)
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[30] GB (1610821.9) 2016-06-21

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[25] EN
[54] **METHODS AND SYSTEMS FOR PROVISIONING EMERGENCY NUMBERS**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE FOURNIR DES NUMEROS D'URGENCE**
[72] BAKKER, JAN HENDRIK LUCAS, US
[72] RUSSELL, NICHOLAS JAMES, GB
[71] BLACKBERRY LIMITED, CA
[85] 2019-12-18
[86] 2018-07-24 (PCT/US2018/043519)
[87] (WO2019/133054)
[30] US (62/611,992) 2017-12-29

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[25] EN
[54] **METHOD FOR REGULATING AND CONTROLING GLP-1/GLP-1R AND DRUG**
[54] **PROCEDE DE REGULATION ET CONTROLE DE GLP-1/GLP-1R ET MEDICAMENT ASSOCIE**
[72] LI, JINAN, CN
[71] TALENGEN INTERNATIONAL LIMITED, CN
[85] 2019-12-19
[86] 2018-06-19 (PCT/CN2018/091838)
[87] (WO2018/233604)
[30] CN (PCT/CN2017/089067) 2017-06-19

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[51] **Int.Cl. C07F 7/08 (2006.01) C07F 7/30 (2006.01) C09K 9/02 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **SILOLE AND GERMOLE FUSED RING PHOTOCHROMIC COMPOUNDS**
[54] **COMPOSES PHOTOCHROMIQUES SILOLE ET GERMOLE A CYCLE FUSIONNE**
[72] STAYSHICH, RYAN, US
[72] WALTERS, ROBERT W., US
[71] TRANSITIONS OPTICAL, LTD., IE
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[51] **Int.Cl. A01K 1/10 (2006.01) A01K 5/01 (2006.01)**
[25] EN
[54] **PLANT MATERIAL FEEDER FOR ANIMALS**
[54] **DISPOSITIF D'ALIMENTATION EN VEGETAUX POUR ANIMAUX**
[72] MCALISTER, GLEN LESLIE, US
[72] SPEAR, ISAAC JOHN, US
[71] WESTERN PRO FEEDERS, LLC, US
[85] 2019-12-18
[86] 2018-10-02 (PCT/US2018/053910)
[87] (WO2019/070666)
[30] US (15/732,211) 2017-10-03

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[51] **Int.Cl. G01N 30/84 (2006.01) B01D 19/00 (2006.01) G01N 30/80 (2006.01) B01D 15/24 (2006.01) B01D 15/40 (2006.01)**
[25] EN
[54] **GAS-LIQUID SEPARATOR FOR A CHROMATOGRAPHY SYSTEM**
[54] **SEPARATEUR GAZ-LIQUIDE POUR UNE INSTALLATION DE CHROMATOGRAPHIE**
[72] BOZIC, ALEXANDER, DE
[71] BOZIC, ALEXANDER, DE
[85] 2019-12-19
[86] 2018-05-15 (PCT/EP2018/062537)
[87] (WO2018/210818)
[30] DE (10 2017 110 601.4) 2017-05-16
[30] DE (10 2017 125 816.7) 2017-11-06
[30] DE (10 2017 130 820.2) 2017-12-20

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[25] FR
[54] **NEW COMPOSITION FOR STRAIGHTENING HAIR**
[54] **NOUVELLE COMPOSITION POUR LE LISSAGE DES CHEVEUX**
[72] VISCOGLIOSI, SEBASTIEN FREDERIC, FR
[72] GARCIA, ISABEL, FR
[72] GUERIN, DIDIER, FR
[71] DI VISCO, FR
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[51] **Int.Cl. B22D 11/049 (2006.01) B22D 11/05 (2006.01) B22D 11/055 (2006.01) B22D 11/16 (2006.01)**
[25] EN
[54] **DYNAMIC MOLD SHAPE CONTROL FOR DIRECT CHILL CASTING**
[54] **COMMANDE DE FORME DE MOULE DYNAMIQUE DESTINEE A UNE COULEE DIRECTE EN COQUILLE**
[72] CORDILL, CRAIG RICHARD, US
[72] SHABER, CRAIG LEE, US
[72] ANDERSON, MICHAEL KIM, US
[71] WAGSTAFF, INC., US
[85] 2019-11-29
[86] 2018-06-11 (PCT/IB2018/054214)
[87] (WO2018/229634)
[30] US (15/619,866) 2017-06-12

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[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **AXIAL-LOAD-ACTUATED ROTARY LATCH RELEASE MECHANISM**
[54] **MECANISME DE DEBLOCAGE DE VERROU ROTATIF ACTIONNE PAR CHARGE AXIALE**
[72] SLACK, MAURICE WILLIAM, CA
[71] NOETIC TECHNOLOGIES INC., CA
[85] 2019-12-19
[86] 2018-07-20 (PCT/CA2018/000144)
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[30] US (62/535,062) 2017-07-20

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[25] EN
[54] **THERAPEUTIC USES OF LACTOBACILLUS PLANTARUM**
[54] **UTILISATIONS THERAPEUTIQUES DE LACTOBACILLUS PLANTARUM**
[72] ROBERTSON, ANNA-KARIN, SE
[71] PROBI AB, SE
[85] 2019-12-19
[86] 2018-06-18 (PCT/EP2018/066152)
[87] (WO2018/234255)
[30] GB (1709763.5) 2017-06-19

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[54] **PLATFORM FOR COLLABORATIVE PROCESSING OF COMPUTING TASKS**
[54] **PLATEFORME DESTINEE AU TRAITEMENT COLLABORATIF DE TACHES INFORMATIQUES**
[72] CLARK, COREY, US
[71] BALANCED MEDIA TECHNOLOGY, LLC, US
[85] 2019-11-29
[86] 2018-06-05 (PCT/US2018/036123)
[87] (WO2018/226740)
[30] US (62/515,398) 2017-06-05

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[25] EN
[54] **SINGLE-LAYER PATCH ANTENNA**
[54] **ANTENNE A PLAQUE MONOCOUCHE**
[72] YANG, NING, CA
[71] NOVATEL INC., CA
[85] 2019-12-19
[86] 2018-03-08 (PCT/CA2018/050274)
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[30] US (15/637,832) 2017-06-29

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[51] **Int.Cl. A61K 31/132 (2006.01) A61K 8/41 (2006.01) A61K 8/64 (2006.01) A61K 8/67 (2006.01) A61K 9/00 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61Q 19/08 (2006.01) C07C 211/09 (2006.01) C07D 307/62 (2006.01) C07D 311/04 (2006.01)**
[25] EN
[54] **PUTRESCINE TOPICAL FORMULATIONS**
[54] **FORMULATIONS TOPIQUES DE PUTRESCINE**
[72] VIVIER, GHISLAIN, CA
[71] VIVIER CANADA INC., CA
[85] 2019-12-19
[86] 2018-06-22 (PCT/CA2018/050771)
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[30] US (62/524,075) 2017-06-23

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[25] EN
[54] **INTRAVAGINALLY APPLICABLE DEVICES COMPRISING ANTIVIRAL COMPOUNDS**
[54] **DISPOSITIFS APPLICABLES PAR VOIE INTRA-VAGINALE COMPRENANT DES COMPOSES ANTIVIRAUX**
[72] BACHHAV, YOGESHWAR, IN
[72] BONSMANN, SUSANNE, DE
[72] PFAFF, TAMARA, DE
[72] BIRKMANN, ALEXANDER, DE
[72] MALCOLM, KARL, IE
[71] AICURIS ANTI-INFECTIVE CURES GMBH, DE
[85] 2019-12-19
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[51] **Int.Cl. C01B 13/11 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING AN OZONE GENERATING MACHINE**
[54] **METHODE POUR CONTROLER UNE MACHINE DE GENERATION D'OZONE**
[72] SEYRLING, SIEGHARD, CH
[72] TREMBLAY, MARCO, CA
[72] RAMOINO, LUCA, CH
[71] SUEZ GROUPE, FR
[85] 2019-12-19
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[87] (WO2019/002527)
[30] EP (17305834.8) 2017-06-30

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[51] **Int.Cl. E21B 23/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **ARM DEPLOYMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DEPLOIEMENT D'UN BRAS**
[72] RATCLIFFE, JAMES, DAVID, GB
[72] GILL, TIMOTHY, MICHAEL, GB
[71] SONDEX WIRELINE LIMITED, GB
[85] 2019-12-18
[86] 2018-06-20 (PCT/US2018/038592)
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[25] EN
[54] **USES AND METHODS FOR IL-2 SUPERAGONISTS, AGONISTS, AND FUSIONS THEREOF**
[54] **UTILISATIONS ET PROCEDES POUR DES SUPERAGONISTES ET AGONISTES D'IL-2 ET DES FUSIONS DE CEUX-CI**
[72] FIDAI, SHAFIQUE, CA
[72] MERCHANT, FAHAR, CA
[71] MEDICENNA THERAPEUTICS INC., CA
[85] 2019-12-19
[86] 2018-06-19 (PCT/IB2018/000760)
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[30] US (62/521,957) 2017-06-19
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[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR CONTROLLING CARDIAC FIBROSIS AND REMODELING**
[54] **METHODES ET COMPOSITIONS POUR REGULER LA FIBROSE ET LE REMODELAGE CARDIAQUE**
[72] OUNZAIN, SAMIR, CH
[72] PEDRAZZINI, THIERRY, CH
[71] UNIVERSITE DE LAUSANNE, CH
[85] 2019-12-19
[86] 2018-06-19 (PCT/EP2018/066206)
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[25] EN
[54] **COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF ACUTE RENAL INJURY**
[54] **COMPOSITIONS DESTINEES A LA PREVENTION ET AU TRAITEMENT DE LESION RENALE AIGUE**
[72] UTTENTHAL, LARS OTTO, ES
[71] AKI THERAPEUTICS APS, DK
[85] 2019-12-19
[86] 2018-06-20 (PCT/EP2018/066390)
[87] (WO2018/234372)
[30] DK (PA201770488) 2017-06-23

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[51] **Int.Cl. B60C 1/00 (2006.01) C08C 19/22 (2006.01) C08F 136/08 (2006.01) C08F 236/10 (2006.01) C08L 15/00 (2006.01)**
[25] FR
[54] **COMPOSITION ON THE BASIS OF AT LEAST ONE SPECIFIC POLYAROMATIC COMPOUND**
[54] **COMPOSITION A BASE D'AU MOINS UN COMPOSE POLYAROMATIQUE PARTICULIER**
[72] SALIT, ANNE-FREDERIQUE, FR
[72] GANDER, SOPHIE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-12-19
[86] 2018-07-02 (PCT/EP2018/067768)
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[30] FR (1756302) 2017-07-04

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[51] **Int.Cl. F16D 43/06 (2006.01)**
[25] EN
[54] **CLUTCH ASSEMBLY, IN PARTICULAR FOR MOTORCYCLES, AND TRANSMISSION SYSTEM EQUIPPED WITH SAID CLUTCH ASSEMBLY**
[54] **ENSEMBLE EMBRAYAGE, EN PARTICULIER POUR MOTOCYCLETTES, ET SYSTEME DE TRANSMISSION EQUIPE DUDIT ENSEMBLE EMBRAYAGE**
[72] MORONI, MARCO, IT
[72] MARABESE, RICCARDO, IT
[71] QOODER S.A., CH
[85] 2019-12-19
[86] 2018-06-20 (PCT/EP2018/066425)
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[30] IT (102017000068135) 2017-06-20

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CELLULAR IMMUNOTHERAPY FOR REPETITIVE ADMINISTRATION**
[54] **IMMUNOTHERAPIE CELLULAIRE POUR UNE ADMINISTRATION REPETITIVE**
[72] SOURDIVE, DAVID, FR
[72] DUCLERT, AYMERIC, FR
[72] SIMON, MATHIEU, FR
[72] DUCHATEAU, PHILIPPE, FR
[72] WILLIAMS, ALAN MARC, US
[72] POIROT, LAURENT, FR
[71] CELLECTIS, FR
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[86] 2018-07-02 (PCT/EP2018/067857)
[87] (WO2019/002633)
[30] DK (PA201770542) 2017-06-30
[30] EP (PCT/EP2017/076798) 2017-10-19
[30] EP (PCT/EP2018/053343) 2018-02-09

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[13] A1
[51] **Int.Cl. B65G 17/06 (2006.01) B65G 17/34 (2006.01)**
[25] EN
[54] **CONVEYING DEVICE WITH TWO CONVEYING CARTS, AND COVERING MEANS FOR COVERING AN INTERSPACE BETWEEN THE TWO CONVEYING CARTS**
[54] **DISPOSITIF DE TRANSPORT AVEC DEUX CHARIOTS DE TRANSPORT ET CARENAGE POUR RECOUVRIR UN ESPACE INTERMEDIAIRE ENTRE LES CHARIOTS DE TRANSPORT**
[72] KASER, UWE, DE
[72] DROSTE, HEINRICH, DE
[71] INTERROLL HOLDING AG, CH
[85] 2019-12-19
[86] 2018-06-21 (PCT/EP2018/066550)
[87] (WO2019/002079)
[30] DE (10 2017 006 213.7) 2017-06-30

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[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **SPACER**
[54] **CHAMBRE D'INHALATION**
[72] FRIEL, MICHAEL, GB
[71] AER BEATHA LIMITED, GB
[85] 2019-12-19
[86] 2018-07-03 (PCT/EP2018/067965)
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[30] GB (1710621.2) 2017-07-03

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[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **METHODS FOR MEASURING INTER- AND/OR INTRA-MOLECULAR INTERACTIONS**
[54] **PROCEDES DE MESURE D'INTERACTIONS INTER- ET/OU INTRA-MOLECULAIRES**
[72] BAASKE, PHILIPP, DE
[72] DUHR, STEFAN, DE
[72] BREITSPRECHER, DENNIS, DE
[72] OSSEFORTH, CHRISTIAN, DE
[72] ROHDE, AXEL, DE
[72] GUPTA, AMIN JEAN, DE
[72] TSCHAMMER, NUSKA, DE
[71] NANOTEMPER TECHNOLOGIES GMBH, DE
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[86] 2018-06-22 (PCT/EP2018/066804)
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[30] EP (17177747.7) 2017-06-23
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[51] **Int.Cl. A61K 31/4184 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **ANGIOTENSIN II RECEPTOR ANTAGONIST FOR THE PREVENTION OR TREATMENT OF SYSTEMIC DISEASES IN CATS**
[54] **ANTAGONISTE DU RECEPTEUR DE L'ANGIOTENSINE II POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES SYSTEMIQUES CHEZ LES CHATS**
[72] ALBRECHT, BALAZS, DE
[72] ANKE, SVEN, DE
[72] KLEY, SASKIA, DE
[72] LEHNER, STEFAN JOHANNES, DE
[72] STARK, MARCUS, DE
[72] TRAAS, ANNE MICHELLE, US
[72] ZIMMERING, TANJA MARGRIT, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-12-19
[86] 2018-07-05 (PCT/EP2018/068189)
[87] (WO2019/008077)
[30] US (62/529,587) 2017-07-07

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[51] **Int.Cl. E01B 27/16 (2006.01)**
[25] EN
[54] **TAMPING ASSEMBLY FOR TAMPING SLEEPERS OF A TRACK**
[54] **APPAREIL DE BALLASTAGE POUR BALLASTER DES TRAVERSES D'UNE VOIE FERROVIAIRE**
[72] SEYRLEHNER, GEORG, US
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GMBH, AT
[85] 2019-12-19
[86] 2018-07-09 (PCT/EP2018/068484)
[87] (WO2019/029923)
[30] AT (A 325/2017) 2017-08-08

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[13] A1
[51] **Int.Cl. F03G 4/00 (2006.01) F03G 7/00 (2006.01)**
[25] EN
[54] **POWER GENERATION PROCESS**
[54] **PROCEDE DE PRODUCTION D'ENERGIE**
[72] MADSEN, HENRIK TAEKKER, DK
[72] NISSEN, STEEN SONDERGAARD, US
[71] SALTKRAFT APS, DK
[85] 2019-12-19
[86] 2018-07-11 (PCT/EP2018/068804)
[87] (WO2019/011991)
[30] GB (1711240.0) 2017-07-12

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[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR BUTTON-FREE CONTROL OF A WEARABLE TRANSCUTANEOUS ELECTRICAL NERVE STIMULATOR USING INTERACTIVE GESTURES AND OTHER MEANS**
[54] **APPAREIL ET METHODE DE COMMANDE SANS BOUTON D'UN NEUROSTIMULATEUR ELECTRIQUE TRANSCUTANE PORTABLE A L'AIDE DE GESTES INTERACTIFS ET D'AUTRES MOYENS**
[72] FERREE, THOMAS C., US
[72] GOZANI, SHAI NACHUM, US
[72] KONG, XUAN, US
[71] GSK CONSUMER HEALTHCARE S.A., CH
[85] 2019-12-19
[86] 2018-06-22 (PCT/EP2018/066830)
[87] (WO2018/234571)
[30] US (62/524,195) 2017-06-23
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[51] **Int.Cl. B65G 69/00 (2006.01) B65G 67/02 (2006.01) B65G 69/28 (2006.01)**
[25] EN
[54] **ACTUATED HEAD PAD FOR LOADING DOCK**
[54] **COUSSIN D'ETANCHEITE ACTIONNE POUR QUAI DE CHARGEMENT**
[72] METZ, DONALD L., US
[72] GARROW, KRISTIAN P., US
[72] BEREAN, KYLE J., US
[72] EPPLEY, JOSHUA L., US
[71] DL MANUFACTURING INC., US
[71] METZ, DONALD L., US
[71] GARROW, KRISTIAN P., US
[71] BEREAN, KYLE J., US
[71] EPPLEY, JOSHUA L., US
[85] 2019-11-26
[86] 2017-07-24 (PCT/US2017/043439)
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[30] US (62/343,146) 2016-05-31
[30] US (62/385,157) 2016-09-08

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[51] **Int.Cl. B65B 31/00 (2006.01) B65B 7/16 (2006.01) B65B 7/28 (2006.01) B65B 31/02 (2006.01) B65B 31/04 (2006.01) B65B 59/00 (2006.01) B65B 67/02 (2006.01)**
[25] EN
[54] **DEVICE FOR VACUUM AND VENT TUBE STOPPERING A MEDICAL CONTAINER**
[54] **DISPOSITIF DE MISE SOUS VIDE ET DE BOUCHAGE DE TUBE D'AERATION D'UN RECIPIENT MEDICAL**
[72] LE DIMET, GWENN, FR
[72] GAGLIANO, JULIEN, FR
[71] BECTON DICKINSON FRANCE, FR
[85] 2019-12-19
[86] 2018-07-11 (PCT/EP2018/068736)
[87] (WO2019/011960)
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[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/407 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM CONTAINING ASENAPINE AND SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE CONTENANT DE L'ASENAPINE ET UN POLYMERE HYBRIDE ACRYLIQUE DE TYPE SILICONE**
[72] MOHR, PATRICK, DE
[72] RIETSCHER, RENE, DE
[72] EIFLER, RENE, DE
[72] BOURQUAIN, OLGA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2019-12-19
[86] 2018-06-25 (PCT/EP2018/066950)
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[30] EP (17177862.4) 2017-06-26

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[13] A1
[51] **Int.Cl. F03G 4/00 (2006.01) F03G 7/00 (2006.01)**
[25] EN
[54] **POWER GENERATION PROCESS**
[54] **PROCEDE DE PRODUCTION D'ENERGIE**
[72] NISSEN, STEEN SONDERGAARD, US
[71] SALTKRAFT APS, DK
[85] 2019-12-19
[86] 2018-07-11 (PCT/EP2018/068807)
[87] (WO2019/011992)
[30] GB (1711238.4) 2017-07-12

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[13] A1
[51] **Int.Cl. C07D 491/052 (2006.01) A61K 31/436 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COUMARIN-LIKE CYCLIC COMPOUND AS MEK INHIBITOR AND USE THEREOF**
[54] **COMPOSE DE TYPE COUMARINE TENANT LIEU D'INHIBITEUR DE MEK ET SES APPLICATIONS**
[72] MAO, QINGHUA, CN
[72] WU, CHENGDE, CN
[72] HUANG, YONG, CN
[72] GONG, ZHEN, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] CSTONE PHARMACEUTICALS, KY
[71] CSTONE PHARMACEUTICAL (SUZHOU) CO., LTD., CN
[71] CSTONE PHARMACEUTICALS (SHANGHAI) CO., LTD., CN
[85] 2019-12-19
[86] 2018-06-22 (PCT/CN2018/092457)
[87] (WO2018/233696)
[30] CN (201710488401.X) 2017-06-23
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/41 (2006.01) A61K 31/437 (2006.01) A61K 31/5365 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **BICYCLIC KETONE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES CETONIQUES BICYCLIQUES ET LEURS PROCEDES D'UTILISATION**
[72] PATEL, SNAHEL, US
[72] HAMILTON, GREGORY, US
[72] ZHAO, GUILING, US
[72] CHEN, HUIFEN, US
[72] DANIELS, BLAKE, US
[72] STIVALA, CRAIG, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-12-19
[86] 2018-07-12 (PCT/EP2018/068998)
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[30] US (62/532,767) 2017-07-14

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[51] **Int.Cl. C12Q 1/68 (2018.01) A61B 5/15 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **PROCESS AND COMPOSITION FOR THE STABILIZATION OF CELL-FREE NUCLEIC ACIDS AND CELLS**
[54] **PROCEDE ET COMPOSITION POUR STABILISER DES ACIDES NUCLEIQUES ACELLULAIRES ET CELLULES**
[72] KAMPER, MARTIN, DE
[72] KINITZ, TIM, DE
[71] SARSTEDT AG & CO. KG, DE
[85] 2019-12-19
[86] 2018-07-30 (PCT/EP2018/070633)
[87] (WO2019/025387)
[30] EP (17184585.2) 2017-08-02

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[51] **Int.Cl. C10G 3/00 (2006.01) B01J 29/00 (2006.01) C10B 53/02 (2006.01) C10G 11/18 (2006.01) C10G 45/00 (2006.01) C10L 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR INCREASING GASOLINE AND MIDDLE DISTILLATE SELECTIVITY IN CATALYTIC CRACKING**
[54] **PROCEDE POUR AUGMENTER LA SELECTIVITE DE DISTILLAT D'ESSENCE ET DE DISTILLAT MOYEN DANS LE CRAQUAGE CATALYTIQUE**
[72] PAASIKALLIO, VILLE, FI
[72] TOUKONIITTY, BLANKA, FI
[72] PASANEN, JUKKA-PEKKA, FI
[71] NESTE OYJ, FI
[85] 2019-12-19
[86] 2018-06-26 (PCT/FI2018/050501)
[87] (WO2019/002683)
[30] EP (17178808.6) 2017-06-29

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[13] A1
[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING PCSK-9 ANTIBODY AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN ANTICORPS PCSK-9 ET SON UTILISATION**
[72] TIAN, CHENMIN, CN
[72] LI, HAO, CN
[72] LIU, XUN, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2019-12-19
[86] 2018-06-29 (PCT/CN2018/093573)
[87] (WO2019/001560)
[30] CN (201710519829.6) 2017-06-30

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[51] **Int.Cl. B64C 39/02 (2006.01)**
[25] EN
[54] **AERIAL VEHICLE TETHER**
[54] **AMARRE DE VEHICULE AERIEN**
[72] ELSON, ANDREW CHARLES, GB
[71] ASTIGAN LIMITED, GB
[85] 2019-12-19
[86] 2018-06-20 (PCT/GB2018/051721)
[87] (WO2018/234799)
[30] GB (1709886.4) 2017-06-21

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[51] **Int.Cl. H01M 8/12 (2016.01) H01M 8/247 (2016.01) H01M 8/2475 (2016.01) H01M 8/248 (2016.01) H01M 8/124 (2016.01)**
[25] EN
[54] **FUEL CELL STACK ASSEMBLY**
[54] **ENSEMBLE D'EMPILEMENTS DE PILES A COMBUSTIBLE**
[72] REES, LEE, GB
[72] PHILLIP, STEPHEN, GB
[72] FREEMAN, EUAN, GB
[72] BALLARD, ANDREW, GB
[72] DOMANSKI, TOMASZ, GB
[72] ERTURK, EREN, GB
[72] ROBERTSON, ALAN, GB
[71] CERES INTELLECTUAL PROPERTY COMPANY LIMITED, GB
[85] 2019-12-19
[86] 2018-06-22 (PCT/GB2018/051756)
[87] (WO2019/002829)
[30] GB (1710187.4) 2017-06-26

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[13] A1
[51] **Int.Cl. G08G 1/09 (2006.01) B60R 21/00 (2006.01) B60W 30/06 (2006.01) G08G 1/14 (2006.01)**
[25] EN
[54] **PARKING CONTROL METHOD AND PARKING CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE STATIONNEMENT**
[72] YAMANAKA, RYOTA, JP
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-19
[86] 2017-06-23 (PCT/JP2017/023241)
[87] (WO2018/235273)

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[51] **Int.Cl. A61K 9/00 (2006.01) A23L 33/00 (2016.01) A61K 31/14 (2006.01) A61K 31/194 (2006.01) A61K 33/00 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION**
[54] **COMPOSITION**
[72] ANDREEVA, LARISA, GB
[72] POMYTKIN, IGOR ANATOLIEVICH, RU
[72] SKLADTCHIKOVA, GALINA NONINA, DK
[71] MITOCHONDRIAL SUBSTRATE INVENTION LTD, GB
[85] 2019-12-19
[86] 2018-06-27 (PCT/GB2018/051797)
[87] (WO2019/002858)
[30] GB (1710316.9) 2017-06-28
[30] GB (1715214.1) 2017-09-20
[30] GB (1800244.4) 2018-01-08
[30] GB (1807733.9) 2018-05-12

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[51] **Int.Cl. B60W 30/06 (2006.01) B60W 50/14 (2012.01) B60R 21/00 (2006.01) B60W 30/08 (2012.01)**
[25] EN
[54] **PARKING CONTROL METHOD AND PARKING CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE DE STATIONNEMENT ET DISPOSITIF DE COMMANDE DE STATIONNEMENT**
[72] KUWABARA, JUNICHI, JP
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-19
[86] 2017-06-23 (PCT/JP2017/023242)
[87] (WO2018/235274)

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[13] A1
[51] **Int.Cl. G06T 19/20 (2011.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MANUFACTURE OF A GARMENT**
[54] **PROCEDES ET SYSTEMES DE FABRICATION DE VETEMENT**
[72] OOMMEN, ANNE, GB
[71] OOMMEN, ANNE, GB
[85] 2019-12-19
[86] 2018-07-04 (PCT/GB2018/051888)
[87] (WO2019/008360)
[30] GB (1710767.3) 2017-07-04

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[51] **Int.Cl. C01B 13/11 (2006.01)**
[25] EN
[54] **OZONE GENERATION DEVICE AND POWER SUPPLY FOR OZONE GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'OZONE ET ALIMENTATION ELECTRIQUE POUR DISPOSITIF DE GENERATION D'OZONE**
[72] MURATA, TAKAAKI, JP
[72] OKITA, YUJI, JP
[72] HASHIMOTO, MICHIKO, JP
[72] KUBO, KIE, JP
[72] MOCHIKAWA, HIROSHI, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION, JP
[85] 2019-12-19
[86] 2017-09-19 (PCT/JP2017/033782)
[87] (WO2018/235307)
[30] JP (2017-122223) 2017-06-22

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[13] A1
[51] **Int.Cl. H04W 76/50 (2018.01) H04W 36/12 (2009.01) H04W 48/18 (2009.01)**
[25] EN
[54] **USER DEVICE, AMF, CORE NETWORK APPARATUS, P-CSCF, AND COMMUNICATION CONTROL METHOD**
[54] **DISPOSITIF TERMINAL, AMF, DISPOSITIF DE RESEAU CENTRAL, P-CSCF, ET PROCEDE DE COMMANDE DE COMMUNICATION**
[72] TAKAKURA, TSUYOSHI, JP
[72] CHIBA, SHUICHIRO, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-12-19
[86] 2018-06-19 (PCT/JP2018/023197)
[87] (WO2018/235791)
[30] JP (2017-119513) 2017-06-19

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[51] **Int.Cl. H01M 10/0565 (2010.01) H01M 4/13 (2010.01) C08K 5/315 (2006.01) C08K 5/42 (2006.01) C08L 27/12 (2006.01) C08L 33/00 (2006.01) C08L 71/02 (2006.01) H01M 2/16 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTROLYTE COMPOSITION, ELECTROLYTE MEMBRANE, ELECTRODE, CELL AND METHOD FOR EVALUATING ELECTROLYTE COMPOSITION**
[54] **COMPOSITION D'ELECTROLYTE, MEMBRANE ELECTROLYTIQUE, ELECTRODE, BATTERIE ET PROCEDE D'EVALUATION DE COMPOSITION D'ELECTROLYTE**
[72] SHIBATA, SHIN-YA, JP
[72] ARAKAWA, MOTOHIRO, JP
[71] NIPPON SHOKUBAI CO., LTD., JP
[85] 2019-12-19
[86] 2018-06-19 (PCT/JP2018/023306)
[87] (WO2019/004011)
[30] JP (2017-125319) 2017-06-27

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[13] A1
[51] **Int.Cl. G08B 29/18 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING SENSOR DATA RELIABILITY AT AN INCIDENT SCENE FOR REAL-TIME AND POST-INCIDENT PROCESSING**
[54] **PROCEDE ET APPAREIL PERMETTANT DE DETERMINER LA FIABILITE DE DONNEES DE CAPTEUR SUR UNE SCENE D'INCIDENT POUR UN TRAITEMENT EN TEMPS REEL ET APRES UN INCIDENT**
[72] REITSMA, KATRIN, US
[72] SCHULER, FRANCESCA, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2019-12-19
[86] 2018-05-29 (PCT/US2018/034860)
[87] (WO2019/005388)
[30] US (15/635,939) 2017-06-28

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[13] A1
[51] **Int.Cl. B29C 64/393 (2017.01) B33Y 10/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/118 (2017.01) B22F 3/105 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR COMPENSATING FOR THERMAL EXPANSION DURING ADDITIVE MANUFACTURING**
[54] **PROCEDES ET APPAREIL POUR COMPENSER LA DILATATION THERMIQUE PENDANT UNE FABRICATION ADDITIVE**
[72] SUSNJARA, KENNETH J., US
[71] THERMWOOD CORPORATION, US
[85] 2019-12-19
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[54] **PROCEDES DE MAINTIEN ET D'AMELIORATION DE LA FONCTION RENALE CHEZ DES PATIENTS ATTEINTS D'UNE MALADIE RENALE ET SUIVANT UNE THERAPIE DE SOINS STANDARD**
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[72] MCMANUS, SEAN M., US
[72] MICHALAK, TOM, US
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[54] **CONNECTEURS DE FIBRES OPTIQUES A STRUCTURE DE CLAVETAGE ET LEURS PROCEDES DE FABRICATION**
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[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
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[54] **PROCEDE ET APPAREIL D'HYDROISOMERISATION D'UN FLUX DE LIQUIDE HYDROTRAITE**
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[71] UOP LLC, US
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[54] **UTILISATION DE L'EXPRESSION D'ARN EN CIRCULATION ACELLULAIRE (ARNCF) DE PD-L1 ET ERCC1 DANS LE PLASMA POUR SUIVRE LA REPONSE A UN TRAITEMENT DU CPNPC**
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[72] USHER, JOSHUA, US
[72] RABIZADEH, SHAHROOZ, US
[71] NANTOMICS, LLC, US
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[54] **DISPOSITIF ET PROCEDE DE FORMATION ATRAUMATIQUE ET PERCUTANEE D'UNE FISTULE ARTERIO-VEINEUSE**
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[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **TUBES D'ECHANGEUR DE CHALEUR ET CONFIGURATIONS D'ASSEMBLAGE DE TUBES**
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[72] ZHANG, QIAN, US
[72] TRANT, TROY E., US
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[54] **INHIBITION OF BOND-LINE READ-THROUGH IN JOINED DUAL LAYER THERMOSET ARTICLES**
[54] **INHIBITION DE LA VISIBILITE DE LA LIGNE DE COLLAGE DANS DES ARTICLES THERMODURCIS A DOUBLE COUCHE JOINTES**
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[72] HANNA, RENE, US
[72] SIWAJEK, MICHAEL, US
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[54] **COMPOSES POUR LA REDUCTION DE L'ACTIVITE DELETERE DE GENES CONTENANT UNE REPETITION DE NUCLEOTIDES ETENDUE**
[72] SUN, THOMAS W., US
[72] COHEN, STANLEY N., US
[72] DENG, NING, US
[72] FENG, YANAN, US
[72] CHENG, TZU-HAO, TW
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[72] MCCONVILLE, ERIKA LYN, US
[72] PORTER, MICHAEL A., US
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[72] ROY, SHUVO, US
[72] FISSELL, WILLIAM, US
[72] WRIGHT, NATHAN, US
[72] GOODIN, MARK, US
[72] GOEBEL, STEVEN, US
[72] BUCK, AMANDA, US
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[54] **SYSTEME D'EDUCATION ET DE COMMUNICATION ADAPTATIF ET INTERACTIF POUR DES PERSONNES SOUFFRANT D'UNE PERTE AUDITIVE**
[72] LETZT, ALAN, US
[72] LETZT, STEPHANIE, US
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[54] **CAISSON MOTORISE MULTIFONCTIONNEL ET COUSIN D'ATTERRISSAGE DESTINE A LA LIVRAISON AUTOMATIQUE D'UN PAQUET PAR UN DRONE**
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[72] TREMBLAY, SIMON, CA
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[54] **DISPOSITIF DE BIOPSIE A ECHANTILLONNAGE MULTIPLE ET INTRODUCTION UNIQUE AVEC MARQUEURS INTEGRES**
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[72] THOMPSON, STANLEY O., US
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[54] **SYSTEME ET PROCEDE DE DETECTION PRECOCE D'UNE RETINOPATHIE DIABETIQUE A L'AIDE D'UNE TOMOGRAPHIE A COHERENCE OPTIQUE (OCT)**
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[54] **PROCEDE POUR PROLONGER LA DUREE DE CONSERVATION D'UNE FARINE COMPLETE ET D'UN PRODUIT**
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[72] ZHOU, NING, US
[72] HANSEN, TIMOTHY S., US
[72] DUFFIN, MICHAEL A., CA
[72] CASSONE, DOMENICO R., US
[72] GANNON, DIANE L., US
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[72] BURNS, JUSTIN, US
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[54] **APPAREILS, PROCEDES ET REACTIFS DE DOSAGE**
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[72] STEVENS, CARL, US
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[72] BEARD, MATTHEW N., US
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[54] **DISPOSITIFS D'ANALYSE INTEGRES ET PROCEDES DE FABRICATION ASSOCIES ET TECHNIQUES D'ANALYSE**
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[54] **ORGANE D'ANCRAGE DE FIL DE SUTURE ET PROCEDE DE FIXATION D'UN FIL DE SUTURE RELATIVEMENT A UN TISSU DUR**
[72] MAYER, JORG, CH
[72] MUELLER, ANDREA, CH
[72] LEHMANN, MARIO, CH
[72] GOEBEL-MEHL, STEPHANIE, CH
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[54] **PROCEDES POUR LE TRAITEMENT DE MATERIAUX LIGNOCELLULOSIQUES**
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[72] GREGOIRE, CLAIRE, FR
[72] TRAVISANO, PHILIP, US
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[72] LAWSON, JAMES ALAN, US
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[72] BURKE, LUKE, US
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[54] **CATHETER A RESEAU D'ELECTRODES DISPOSEES SUR UNE FEUILLE**
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[72] MIZRAHI, LIRON SHMUEL, IL
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[54] **FLUIDE DE FORAGE ET PROCEDE DE TUNNELLISATION**
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[54] **SPACECRAFT ACTUATOR WHEEL WITH INTEGRATED BATTERY AND FUEL STORAGE**
[54] **ROUE D'ACTIONNEUR D'ENGIN SPATIAL A PILES ET DISPOSITIF DE STOCKAGE DE CARBURANT INTEGRES**
[72] JAEGER, TALBOT, US
[71] NOVAWURKS, INC., US
[22] 2016-02-10
[41] 2016-08-18
[62] 3,013,293
[30] US (14/620,617) 2015-02-12

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[54] **SYSTEM AND METHOD FOR CARBON DIOXIDE CAPTURE AND SEQUESTRATION**
[54] **SYSTEME ET PROCEDE DE CAPTURE ET DE SEQUESTRATION DE DIOXYDE DE CARBONE**
[72] EISENBERGER, PETER, US
[71] EISENBERGER, PETER, US
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[41] 2011-11-03
[62] 2,798,045
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[30] US (61/443,061) 2011-02-15

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[54] **METHOD AND APPARATUS FOR ANALYTE MEASUREMENT**
[54] **PROCEDE ET APPAREIL DE MESURE D'ANALYTES**
[72] TSAI, TUNGMENG, CN
[72] CHEN, YENYU, CN
[72] CHEN, CHIEH HSIAO, CN
[71] IXENSOR CO., LTD., TW
[22] 2013-08-09
[41] 2014-06-26
[62] 2,894,421
[30] US (61/739,005) 2012-12-18
[30] US (13/941,563) 2013-07-15

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[13] A1
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[54] **AUTOMATIC HAIR CURLER**
[54] **FER A FRISER LES CHEVEUX AUTOMATIQUE**
[72] YONG, XIAO, CN
[72] MIANJIA, WEI, CN
[71] FAROUK SYSTEMS, INC., US
[22] 2016-08-19
[41] 2017-02-23
[62] 2,995,481
[30] CN (201520627529.6) 2015-08-19

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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/10 (2006.01) A61M 1/28 (2006.01)**
[25] EN
[54] **CASSETTE SYSTEM INTEGRATED APPARATUS**
[54] **APPAREIL A SYSTEME DE CASSETTES INTEGRE**
[72] DEMERS, JASON A., US
[72] WILT, MICHAEL J., US
[72] GRANT, KEVIN L., US
[72] DALE, JAMES D., US
[72] TRACEY, BRIAN, US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2008-02-27
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[62] 2,681,916
[30] US (60/904,024) 2007-02-27
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[13] A1
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[54] **VALVE ASSEMBLY**
[54] **CLAPET**
[72] ZUCK, JAMES C., US
[72] HOFFMAN, ALEX L., US
[71] MARSHALL EXCELSIOR COMPANY, US
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[62] 2,955,383
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[25] EN
[54] **PRONG-LESS NEUTRAL CONNECTOR ASSEMBLIES, CIRCUIT BREAKERS INCLUDING PRONG-LESS NEUTRAL CONNECTOR, PANEL BOARDS WITH FLEXIBLE NEUTRAL BARS, AND NEUTRAL CONNECTION METHODS**
[54] **ASSEMBLAGES DE CONNECTEUR NEUTRE SANS BROCHE, DISJONCTEURS COMPORTANT LE CONNECTEUR NEUTRE SANS BROCHE, PANNEAUX DOTES DE BARRES NEUTRES FLEXIBLES ET METHODE DE CONNEXION DU NEUTRE**
[72] TITUS, SOLOMON R., US
[71] SIEMENS INDUSTRY, INC, US
[22] 2016-09-28
[41] 2017-03-30
[62] 2,943,395
[30] US (14/870,188) 2015-09-30

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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING/LOADING STENT-VALVES**
[54] **PROCEDE ET APPAREIL POUR COMPRESSER/CHARGER DES VALVES D'ENDOPROTHESES**
[72] ESSINGER, JACQUES, CH
[72] DELALOYE, STEPHANE, CH
[72] HEFTI, JEAN-LUC, CH
[72] MANTANUS, LUC, CH
[72] PARIS, MICHAEL M., CH
[71] SYMETIS SA, CH
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[54] **NICOTINE SALT WITH META-SALICYLIC ACID**
[54] **SEL DE NICOTINE AVEC DE L'ACIDE META-SALICYLIQUE**
[72] MYERS, DANIEL J., US
[72] CASSELLA, JAMES, US
[71] ALEXZA PHARMACEUTICALS, INC., US
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[25] EN
[54] **DEVICE AND SYSTEM FOR GENERATING ELECTRONIC CERTIFICATE**
[54] **DISPOSITIF ET SYSTEME DE GENERATION DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2014-09-12
[41] 2016-03-17
[62] 2,988,802

[21] **3,061,138**
[13] A1
[25] EN
[54] **DEVICE AND SYSTEM FOR GENERATING ELECTRONIC CERTIFICATE**
[54] **DISPOSITIF ET SYSTEME DE GENERATION DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2014-09-12
[41] 2016-03-17
[62] 2,988,802

[21] **3,061,139**
[13] A1
[51] **Int.Cl. H04L 29/02 (2006.01)**
[25] EN
[54] **DEVICE AND SYSTEM FOR GENERATING ELECTRONIC CERTIFICATE**
[54] **DISPOSITIF ET SYSTEME DE GENERATION DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2014-09-12
[41] 2016-03-17
[62] 2,988,802

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[51] **Int.Cl. A01G 22/00 (2018.01) A01C 7/00 (2006.01) A01C 7/08 (2006.01) A01G 7/00 (2006.01) C11B 1/00 (2006.01) C11B 9/00 (2006.01)**
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[54] **METHOD FOR CULTIVATION OF MONARDA FISTULOSA**
[54] **PROCEDE DE CULTURE DE MONARDA FISTULOSA**
[72] ROHLFSEN, WILLIAM G., US
[71] PRAIRIE PHARMS, LLC, US
[22] 2013-01-22
[41] 2013-08-01
[62] 2,862,945
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[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/56 (2006.01)**
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[54] **DEVICE AND METHOD FOR FIXATING A SUTURE ANCHOR IN HARD TISSUE**
[54] **OUTIL ET PROCEDE DE FIXATION D'UN ORGANE D'ANCRAGE DE FIL DE SUTURE DANS UN TISSU DUR**
[72] MAYER, JORG, CH
[72] LEHMANN, MARIO, CH
[72] GOEBEL-MEHL, STEPHANIE, CH
[72] WENGER, ANDREAS, CH
[71] SPORTWELDING GMBH, CH
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[54] **PERSONAL ELECTRONIC TARGET VISION SYSTEM, DEVICE AND METHOD**
[54] **SYSTEME DE VISUALISATION DE CIBLE ELECTRONIQUE PERSONNEL, DISPOSITIF ET PROCEDE**
[72] NOHARA, TIMOTHY J., CA
[71] ACCIPITER RADAR TECHNOLOGIES INC., CA
[22] 2013-01-23
[41] 2013-07-24
[62] 2,803,332
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[25] EN
[54] **NULL DETECTOR DEVICES AND SYSTEMS EMPLOYING SAME**
[54] **DISPOSITIFS DETECTEURS DU POINT NUL ET SYSTEMES EMPLOYANT LESDITS DISPOSITIFS**
[72] BARCZYK, TOMASZ, CA
[72] TIMMONS, RICHARD, CA
[72] EVANS, MARK, CA
[71] GUILDLINE INSTRUMENTS LIMITED, CA
[22] 2018-12-03
[41] 2019-06-04
[62] 3,026,123
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[13] A1
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,817

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[13] A1
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
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[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED FOCUS TRACKING USING BLOCKING STRUCTURES**
[54] **SYSTEMES ET METHODES PERMETTANT D'AMELIORER LE SUIVI DE CIBLE AU MOYEN DE STRUCTURES DE BLOCAGE**
[72] CONDELLO, DANILO, US
[72] PRINCE, SIMON, US
[72] HARGIS, DAVID, US
[72] O'SHAUHNESSY, JOHN, US
[72] BUTTERFIELD, WILLIAM, US
[72] BENDICK, JEFFREY, US
[72] NEWMAN, PETER CLARKE, US
[71] ILLUMINA, INC., US
[22] 2018-03-02
[41] 2018-09-07
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[30] US (62/468,355) 2017-03-07
[30] NL (N2018854) 2017-05-05

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[54] **HISTONE DEACETYLASE INHIBITORS**
[54] **INHIBITEURS DE L'HISTONE DEACETYLASE**
[72] JACQUES, VINCENT, US
[72] RUSCHE, JAMES R., US
[72] PEET, NORTON P., US
[72] SINGH, JASBIR, US
[71] BIOMARIN PHARMACEUTICAL INC., US
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[54] **SURGICAL CAP AND METHOD**
[54] **CAPUCHON CHIRURGICAL ET METHODE**
[72] GENENDER, ALAN, US
[72] ZUNDEL, HANNAH, US
[71] MEDLINE INDUSTRIES, INC., US
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[62] 2,972,116
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[25] EN
[54] **FLOW SENSOR SYSTEM INCLUDING TRANSMISSIVE CONNECTION**
[54] **SYSTEME DE CAPTEUR DE DEBIT COMPRENANT UNE CONNEXION DE TRANSMISSION**
[72] DEKALB, SHAWN W., US
[71] CRISI MEDICAL SYSTEMS, INC., US
[22] 2016-08-25
[41] 2017-03-09
[62] 2,995,008
[30] US (62/211,108) 2015-08-28

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[54] **TOLL-FREE TELECOMMUNICATIONS MANAGEMENT PLATFORM**
[54] **PLATEFORME DE GESTION DE TELECOMMUNICATIONS SANS FRAIS**
[72] SHARMA, SRIRAM, US
[72] CARTER, WILLIAM, US
[72] KIMMEL, MICHAEL, US
[71] SOMOS, INC., US
[22] 2015-10-30
[41] 2016-05-06
[62] 2,965,681
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[51] **Int.Cl. B25H 3/02 (2006.01) B65D 21/02 (2006.01)**
[25] EN
[54] **UTILITY ASSEMBLY AND COUPLING MECHANISM**
[54] **ENSEMBLE DE RANGEMENT ET MECANISME DE RACCORDEMENT**
[72] BRUNNER, YARON, US
[72] HOPPE, CHRISTOPHER S., US
[72] HYMA, STEVEN W., US
[72] SQUIERS, GRANT T., US
[71] KETER PLASTIC LTD., IL
[71] MILWAUKEE ELECTRIC TOOL CORPORATION, US
[22] 2017-04-30
[41] 2017-11-09
[62] 2,987,892
[30] US (62/330,334) 2016-05-02
[30] US (62/459,076) 2017-02-15

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[54] **USER DEFINED RULES FOR ASSIGNING DESTINATIONS OF CONTENT**
[54] **REGLES DEFINIES PAR L'UTILISATEUR POUR ASSIGNER DES DESTINATIONS A UN CONTENU**
[72] BRYANT, JAY S., US
[72] FEREIRA, EDGAR, US
[71] ROVI GUIDES, INC., US
[22] 2008-03-12
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[62] 2,701,309
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[54] **METHODS AND DEVICES FOR HEATING OR COOLING VISCOUS MATERIALS**
[54] **PROCEDES ET DISPOSITIFS DE CHAUFFAGE OU DE REFROIDISSEMENT DE MATIERES VISQUEUSES**
[72] CULLY, KEVIN J., US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[22] 2012-06-29
[41] 2013-01-31
[62] 2,843,142
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[51] **Int.Cl. A61K 31/585 (2006.01) A61P 15/18 (2006.01)**
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[54] **METHOD OF PROVIDING CONTRACEPTION IN A PATIENT**
[54]
[72] PERRIN, PHILIPPE, FR
[72] VELADA, JOSE, NL
[72] DROUIN, DOMINIQUE, FR
[71] LABORATORIOS LEON FARMA SA, ES
[22] 2011-06-28
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[30] EP (10305708.9) 2010-06-29
[30] US (61/368,396) 2010-07-28

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[25] EN
[54] **PHOTOVOLTAIC DEVICES WITH DEPLETED HETEROJUNCTIONS AND SHELL-PASSIVATED NANOPARTICLES**
[54] **DISPOSITIFS PHOTOVOLTAIQUES A HETEROJONCTIONS APPAUVRIES ET NANOPARTICULES A COQUES PASSIVEES**
[72] TANG, JIANG, CA
[72] PATTANTYUS-ABRAHAM, ANDRAS, CA
[72] KRAMER, ILLAN, CA
[72] BARKHOUSE, AARON, US
[72] WANG, XIHUA, CA
[72] DEBNATH, RATAN, CA
[72] SARGENT, EDWARD H., CA
[72] GERASIMOS, KONSTANTATOS, ES
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2011-03-25
[41] 2011-10-13
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[30] US (61/321,450) 2010-04-06
[30] US (61/334,650) 2010-05-14
[30] US (12/890,797) 2010-09-27

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[54] **FLOW SENSOR SYSTEM WITH ABSORBER**
[54] **SYSTEME DE CAPTEUR D'ECOULEMENT AVEC ABSORBEUR**
[72] DEKALB, SHAWN W., US
[71] CRISI MEDICAL SYSTEMS, INC., US
[22] 2016-08-25
[41] 2017-03-09
[62] 2,995,012
[30] US (62/211,309) 2015-08-28

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[13] A1
[25] EN
[54] **GLASS CONTAINERS WITH DELAMINATION RESISTANCE AND IMPROVED DAMAGE TOLERANCE**
[54] **RECIPIENTS EN VERRE AYANT UNE RESISTANCE AU DELAMINAGE ET UNE TOLERANCE A L'ENDOMMAGEMENT AMELIOREE**
[72] CHANG, THERESA, US
[72] DANIELSON, PAUL STEPHEN, US
[72] DEMARTINO, STEVEN EDWARD, US
[72] FADEEV, ANDREI GENNADYEVICH, US
[72] MORENA, ROBERT MICHAEL, US
[72] PAL, SANTONA, US
[72] PEANASKY, JOHN STEPHEN, US
[72] SCHAUT, ROBERT ANTHONY, US
[72] TIMMONS, CHRISTOPHER LEE, US
[72] VENKATARAMAN, NATESAN, US
[72] VERKLEEREN, RONALD LUCE, US
[72] BOOKBINDER, DANA CRAIG, US
[71] CORNING INCORPORATED, US
[22] 2013-11-22
[41] 2014-06-05
[62] 2,891,784
[30] US (61/731,767) 2012-11-30
[30] US (13/780,754) 2013-02-28
[30] US (13/912,457) 2013-06-07
[30] US (14/075,620) 2013-11-08

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[13] A1
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[54] **GLASS CONTAINERS WITH DELAMINATION RESISTANCE AND IMPROVED DAMAGE TOLERANCE**
[54] **RECIPIENTS EN VERRE AYANT UNE RESISTANCE AU DELAMINAGE ET UNE TOLERANCE A L'ENDOMMAGEMENT AMELIOREE**
[72] CHANG, THERESA, US
[72] DANIELSON, PAUL STEPHEN, US
[72] DEMARTINO, STEVEN EDWARD, US
[72] FADEEV, ANDREI GENNADYEVICH, US
[72] MORENA, ROBERT MICHAEL, US
[72] PAL, SANTONA, US
[72] PEANASKY, JOHN STEPHEN, US
[72] SCHAUT, ROBERT ANTHNOY, US
[72] TIMMONS, CHRISTOPHER LEE, US
[72] VENKATARAMAN, NATESAN, US
[72] VERKLEEREN, RONALD LUCE, US
[72] BOOKBINDER, DANA CRAIG, US
[71] CORNING INCORPORATED, US
[22] 2013-11-22
[41] 2014-06-05
[62] 2,891,784
[30] US (61/731,767) 2012-11-30
[30] US (13/780,754) 2013-02-28
[30] US (13/912,457) 2013-06-07
[30] US (14/075,620) 2013-11-08

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[51] **Int.Cl. A61J 1/05 (2006.01) B65D 1/40 (2006.01) B65D 25/14 (2006.01)**
[25] EN
[54] **GLASS CONTAINERS WITH DELAMINATION RESISTANCE AND IMPROVED DAMAGE TOLERANCE**
[54] **RECIPIENTS EN VERRE AYANT UNE RESISTANCE AU DELAMINAGE ET UNE TOLERANCE A L'ENDOMMAGEMENT AMELIOREE**
[72] CHANG, THERESA, US
[72] DANIELSON, PAUL STEPHEN, US
[72] DEMARTINO, STEVEN EDWARD, US
[72] FADEEV, ANDREI GENNADYEVICH, US
[72] MORENA, ROBERT MICHAEL, US
[72] PAL, SANTONA, US
[72] PEANASKY, JOHN STEPHEN, US
[72] SCHAUT, ROBERT ANTHONY, US
[72] TIMMONS, CHRISTOPHER LEE, US
[72] VENKATARAMAN, NATESAN, US
[72] VERKLEEREN, RONALD LUCE, US
[72] BOOKBINDER, DANA CRAIG, US
[71] CORNING INCORPORATED, US
[22] 2013-11-22
[41] 2014-06-05
[62] 2,891,784
[30] US (61/731,767) 2012-11-30
[30] US (13/780,754) 2013-02-28
[30] US (13/912,457) 2013-06-07
[30] US (14/075,620) 2013-11-08

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[13] A1
[51] **Int.Cl. F41J 5/14 (2006.01) F41J 5/04 (2006.01) F41J 5/18 (2006.01)**
[25] EN
[54] **AN INTELLIGENT BALLISTIC TARGET**
[54] **CIBLE BALISTIQUE INTELLIGENTE**
[72] GRAHAM, SAM D., US
[72] STAYLOR, SCOTT, US
[71] GRAHAM, SAM D., US
[71] STAYLOR, SCOTT, US
[22] 2012-12-07
[41] 2013-08-22
[62] 2,858,560
[30] US (61/568,257) 2011-12-08

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[25] EN
[54] **CONTINUOUS GREASE FIRE SUPPRESSION SYSTEM**
[54] **SYSTEME DE SUPPRESSION D'INCENDIE DE GRAISSE EN CONTINU**
[72] HOWARD, DAVID, US
[71] HIP, INC., US
[22] 2008-11-03
[41] 2009-07-16
[62] 2,961,098
[30] US (12/013,337) 2008-01-11

[21] **3,061,557**
[13] A1
[25] EN
[54] **PURIFICATION OF HETERO-DIMERIC IMMUNOGLOBULINS**
[54] **PURIFICATION D'IMMUNOGLOBULINES HETERODIMERES**
[72] BLEIN, STANISLAS, CH
[72] COMPER, FABRIZIO, CH
[72] OLLIER, ROMAIN, CH
[72] WASSMANN, PAUL, CH
[71] GLENMARK PHARMACEUTICALS S.A., CH
[22] 2013-09-25
[41] 2014-04-03
[62] 2,886,036
[30] US (61/705,278) 2012-09-25

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[13] A1
[25] EN
[54] **PERFORMANCE-ENHANCING WINGLET SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE RELATIFS A UNE AILETTE SUSCEPTIBLE D'AMELIORER LE RENDEMENT**
[72] FRIEDMAN, DOUGLAS M., US
[72] MALACHOWSKI, ADAM P., US
[72] ROMAN, DINO L., US
[72] VASSBERG, JOHN C., US
[72] VEGTER, CHRISTOPHER A., US
[71] THE BOEING COMPANY, US
[22] 2013-01-07
[41] 2013-09-30
[62] 2,800,627
[30] US (13/436,355) 2012-03-30

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 16/901 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAPPING REPAIR ORDERS WITHIN A DATABASE**
[54] **PROCEDES ET SYSTEMES DE CARTOGRAPHIE DE BONS DE REPARATION AU SEIN D'UNE BASE DE DONNEES**
[72] MERG, PATRICK S., US
[71] SNAP-ON INCORPORATED, US
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[71] PAYPAL, INC., US
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[54] **TECHNIQUES D'EVALUATION COMPARATIVE DE STRATEGIES D'APPARIEMENT DANS UN SYSTEME DE CENTRE DE CONTACT**
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[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
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[54] **CROSSES DE HOCKEY A GROUPEMENTS DE BOSSES A POIDS CENTRE CO-MOULEES ET AUTRES STRUCTURES COMPOSITES**
[72] ALLEN, PATRICK, CA
[72] GOLDSMITH, EDWARD, US
[72] IE, CITRA, US
[72] SNOW, MICHAEL, US
[72] MOUNTAIN, MICHAEL, US
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[54] **SYSTEM AND METHOD FOR PREPARING A PHARMACEUTICAL COMPOUND**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'UN COMPOSE PHARMACEUTIQUE**
[72] HANKE, CHRISTIAN, AT
[72] HOERNER, HELMUT, AT
[72] MURRAY, CHRIS, US
[72] SANDMANN, CHRISTIAN, US
[72] TANNEN, ROBERT, US
[72] THOMAS, MATT, US
[72] TURPAULT, MATHIEU, US
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[54] **RNASE POUR UNE UTILISATION DANS LE TRAITEMENT OU LA PREVENTION D'INFECTIONS VIRALES**
[72] HODGE, THOMAS, US
[71] TAMIR BIOTECHNOLOGY, INC., US
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[54] **METHOD AND DEVICE FOR APPROXIMATING TISSUE**
[54] **PROCEDE ET DISPOSITIF POUR LE RAPPROCHEMENT DE TISSUS**
[72] CROMBIE, JOHN STEPHEN, US
[72] FLEMING, JAMES A., III, US
[72] LIBERATORE, JESSICA, US
[72] NERING, ROBERT, US
[72] YUAN, JIE JENNY, US
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[54] **ANTICORPS LIANTS RECEPTEURS D'INSULINE**
[72] CORBIN, JOHN, US
[72] WHITE, MARK LESLIE, US
[72] WATSON, SUSAN R., US
[72] BHASKAR, VINAY, US
[71] XOMA (US) LLC, US
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[54] **SHAPE MEMORY ALLOY ACTIVE SPARS FOR BLADE TWIST**
[54] **ONGERONS ACTIFS EN ALLIAGE A MEMOIRE DE FORME POUR VRILLAGE DE PALE**
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[72] CLINGMAN, DANIEL J., US
[72] BUSHNELL, GLENN S., US
[71] THE BOEING COMPANY, US
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[72] BAKER, JOFFRE, US
[72] BRYANT, JOHN L., US
[72] PAIK, SOONMYUNG, US
[72] SHAK, STEVEN, US
[71] GENOMIC HEALTH, INC., US
[71] NSABP FOUNDATION, INC., US
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[54] **METHOD AND APPARATUS FOR POSITIONING HEATING ELEMENTS**
[54] **PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS**
[72] LARSON, DAVID D., US
[71] PROGRESS PROFILES SPA, IT
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[54] **COMPOSITIONS, KITS ET METHODES UTILISES POUR LE DIAGNOSTIC, LE PRONOSTIC, LA SURVEILLANCE, LE TRAITEMENT ET LA MODULATION DES LYMPHOPROLIFERATIONS APRES GREFFE D'ORGANE ET DE L'HYPOXIE ASSOCIEE A L'ANGIOGENESE AU MOYEN DE LA GALECTINE-1**
[72] SHIPP, MARGARET A., US
[72] OUYANG, JING, US
[72] TAKEYAMA, KUNIHIKO, US
[72] KUTOK, JEFFERY L., US
[72] RODIG, SCOTT J., US
[72] RABINOVICH, GABRIEL, US
[72] RUSSO, DIEGO OMAR CROCI, US
[72] SALATINO, MARIANA, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS (CONICET), AR
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[72] BRYANT, JOHN L., US
[72] PAIK, SOONMYUNG, US
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[71] NSABP FOUNDATION, INC., US
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[54] **A PROCESS FOR PREPARING A POLYMER PRODUCT HAVING A 2,5-FURANDICARBOXYLATE MOIETY WITHIN THE POLYMER BACKBONE TO BE USED IN BOTTLE, FILM OR FIBRE APPLICATIONS**
[54] **PROCEDE POUR LA PREPARATION D'UN PRODUIT POLYMERE COMPRENANT UN GROUPE FONCTIONNEL DE 2,5-FURANDICARBOXYLATE DANS LE SQUELETTE DE POLYMERE DESTINE A ETRE UTILISE DANS DES APPLICATIONS EN BOUTEILLE, EN FILM OU EN FIBRE**
[72] SIPOS, LASZLO, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] KOLSTAD, JEFFREY JOHN, NL
[72] DAM, MATHEUS ADRIANUS, NL
[71] FURANIX TECHNOLOGIES B.V., NL
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[54] **RESERVOIR VERTICAL DE STOCKAGE DE LIQUIDE**
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[72] SPECIALE, MARC J., US
[71] JWF INDUSTRIES INC., US
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[72] SHULMAN, INNA, US
[72] RODEL, EVA, US
[72] HILFIKER, ROLF, US
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[71] INTREXON CORPORATION, US
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[54] **MECANISME A JET D'ENCRE DESTINE A L'IMPRESSION D'UNE CARTE DE CIRCUITS IMPRIMES**
[72] ZWIERS, HENK JAN, NL
[72] JANSSEN, JACOBUS HENDRICUS JOHANNES, NL
[72] VEERMAN, JOOST ANNE, NL
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[54] **UNE METHODE D'ENREGISTREMENT D'UNITES DE MESURE D'INERTIE DANS UNE SALLED'OPERATION**
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[71] MAHFOUZ, MOHAMED R., US
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[54] **SYSTEMS AND METHODS FOR MIRRORING AND TRANSCODING MEDIA CONTENT**
[54] **SYSTEMES ET PROCEDES DE DEDOUBLEMENT MIROIR ET DE TRANSCODAGE D'UN CONTENU MULTIMEDIA**
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[71] ROVI GUIDES, INC., US
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[54] **METHODS AND SYSTEMS FOR CONVERTING AND PACKAGING CORELESS PAPER PRODUCTS**
[54] **PROCEDES ET SYSTEMES POUR CONVERTIR ET EMBALLER DES PRODUITS DE PAPIER SANS NOYAU**
[72] TRAINER, NICHOLAS P., JR., US
[72] STAFFORD, THOMAS I., US
[72] BIGARI, RICHARD J., US
[71] GPCP IP HOLDINGS LLC, US
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[72] NARAYANACHAR, BHAVYA, IN
[72] BRIES, WILLIAM E., US
[72] JONES, MICHAEL L., US
[71] HUSSMANN CORPORATION, US
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[54] **DEVICES AND SYSTEMS FOR TREATING PAIN WITH ELECTRICAL STIMULATION**
[54]
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[72] MOORE, MICHAEL, US
[72] SILVOLA, DAIN, US
[72] WINN, JOSEPH, US
[72] DAVE, JAY, US
[71] DJO, LLC, US
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[72] BOITANO, ANTHONY, US
[72] COOKE, MICHAEL, US
[72] PAN, SHIFENG, US
[72] SCHULTZ, PETER G., US
[72] TELLEW, JOHN, US
[72] WAN, YONGQIN, US
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[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[54] **ENLEVEMENT EXTRACORPOREL DE PARTICULES MICROVESICULAIRES**
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[72] TULLIS, RICHARD H., US
[71] AETHLON MEDICAL, INC., US
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[54] **VITAMINE D COMME UN GROUPE CIBLE DE PEPTIDES THERAPEUTIQUES**
[72] AMERE, MUKKANTI, US
[72] HALES, LAURA M., US
[72] SARD, HOWARD P., US
[72] SOLIMAN, TARIK M., US
[71] EXTEND BIOSCIENCES, INC., US
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[72] BAUMAN, SUSANNE, US
[72] JOSHI, PRANAV R., US
[71] NOVAN, INC., US
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[72] SEARLE, GARY, US
[72] BURNS, DEBORAH, US
[72] BURNS, BRUCE, US
[72] MASON, DAVID, US
[72] HWANG, CHARLES, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **DISPOSITIF DE DISTRIBUTION ET PROCEDE POUR DELIVRER UNE SUBSTANCE DANS LE MEAT MOYEN D'UNE CAVITE NASALE D'UN PATIENT**
[72] DJUPESLAND, PER GISLE, NO
[72] HAFNER, RODERICK PETER, GB
[72] SHELDRAKE, COLIN DAVID, GB
[71] OPTINOSE AS, NO
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[54] **DISPOSITIF DE COMMANDE**
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[72] ENOMOTO, KAZUYOSHI, JP
[72] IGARASHI, TAKESHI, JP
[72] MORITA, MASAHO, JP
[71] SONY COMPUTER ENTERTAINMENT INC., JP
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[54] **ENVELOPPE DE VAPORISATEUR A FOND FERME**
[72] SELBY, RYAN, CA
[72] KARKAIRAN, RYAN, CA
[71] SELBY, RYAN, CA
[71] KARKAIRAN, RYAN, CA
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[54] **CONTAINER ASSEMBLY AND ADAPTER THEREFOR**
[54]
[72] DANOPOULOS, PANAGIOTA, CA
[72] JOINER, MARC, CA
[72] BADER, PATRICK-MARTIN, CA
[72] NYAT PENG WONG, SARAH, CA
[72] TALEBI, VARGHA, CA
[71] MEDISCA PHARMACEUTIQUE INC., CA
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[54] **ASSOCIATIVE OBJECT TRACKING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SUIVI D'OBJET ASSOCIATIF**
[72] DEANGELIS, DOUGLAS J., US
[72] EVANSEN, EDWARD G., US
[72] REILLY, GERARD M., US
[71] ISOLYNX, LLC, US
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[54] **METHODS FOR THE MANUFACTURE OF PROTEOLYTICALLY PROCESSED POLYPEPTIDES**
[54] **PROCEDES POUR REALISER DES POLYPEPTIDES TRAITES DE MANIERE PROTEOLYTIQUE**
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[71] IPSEN BIOINNOVATION LIMITED, GB
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[51] **Int.Cl. A61C 5/40 (2017.01) A61B 34/10 (2016.01) A61C 19/00 (2006.01)**
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[54] **PROCEDE ET SYSTEME DE PLANIFICATION D'UN TRAITEMENT DE CANAL RADICULAIRE EN 3D**
[72] VAN LIERDE, CARL, BE
[72] PATTIJN, VEERLE, BE
[72] VALLOTTON, PAUL-HENRI, CH
[71] MAILLEFER INSTRUMENTS HOLDING SARL, CH
[71] DENTSPLY IMPLANTS NV, BE
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[25] EN
[54] **METHODS AND DEVICES FOR SINGLE-MOLECULE WHOLE GENOME ANALYSIS**
[54] **PROCEDES ET DISPOSITIF POUR ANALYSE MONO-MOLECULAIRE DE GENOME ENTIER**
[72] XIAO, MING, US
[72] DESHPANDE, PARIKSHIT A., US
[72] CAO, HAN, US
[72] AUSTIN, MICHAEL, US
[72] VIJYAN, KANDASWAMY, US
[72] SHARONOV, ALEXY Y., US
[72] BOYCE-JACINO, MICHAEL, US
[71] BIONANO GENOMICS, INC., US
[22] 2009-06-30
[41] 2010-01-07
[62] 2,729,159
[30] US (61/076,785) 2008-06-30

[21] **3,062,203**
[13] A1
[25] EN
[54] **PRESSURE RELIEF LATCH**
[54] **LOQUET DETENDEUR DE PRESSION**
[72] DO, THAI, US
[71] ARCONIC INC., US
[22] 2016-07-29
[41] 2017-02-09
[62] 2,992,151
[30] US (62/200,971) 2015-08-04

[21] **3,062,217**
[13] A1
[25] EN
[54] **HOME MEDICAL DEVICE SYSTEMS AND METHODS FOR THERAPY PRESCRIPTION AND TRACKING, SERVICING AND INVENTORY**
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[72] MILLER, JOSHA JAMES, US
[72] WIEBENSON, DEREK, CH
[72] WILKERSON, DOUGLAS L., US
[72] TIWARI, NEIL, US
[72] ROBINSON, TIMOTHY G., US
[72] MINKUS, MARC STEVEN, US
[72] MULLER, MATTHEW R., US
[72] WELLINGS, ANDERS J., US
[72] HANSBRO, KATHRYN LOUISE, US
[72] CIZMAN, BORUT, US
[72] KUNZEMAN, BRIAN S., US
[72] COOPER, ROBIN D., US
[72] KUDELKA, TIMOTHY L., US
[72] SARTO, ANGELO A., US
[72] LINDO, STEVE JOSEPH, US
[72] BAUSTAD, JOSTEIN, US
[72] MOUNTS, DUSTON, US
[71] BAXTER HEALTHCARE SA, CH
[22] 2013-05-14
[41] 2013-11-21
[62] 2,873,621
[30] US (61/647,340) 2012-05-15
[30] US (13/828,900) 2013-03-14

[21] **3,062,234**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DOWNHOLE TELEMETRY**
[54] **SYSTEME ET METHODE DE TELEMETRIE DE FOND DE TROU**
[72] PETROVIC, JOHN, CA
[72] PETROVIC, VICTOR, CA
[72] WHITE, MATTHEW R., CA
[72] BEAULAC, NEAL P., CA
[71] MOSTAR DIRECTIONAL TECHNOLOGIES INC., CA
[22] 2007-04-13
[41] 2007-10-21
[62] 2,908,296
[30] CA (2,544,457) 2006-04-21
[30] US (11/538,277) 2006-10-03

[21] **3,062,320**
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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MONOMETHYLVALINE COMPOUNDS CAPABLE OF CONJUGATION TO LIGANDS**
[54] **COMPOSES DE MONOMETHYLVALINE CAPABLES DE CONJUGAISON AUX LIGANDS**
[72] DORONINA, SVETLANA O., US
[72] SENTER, PETER D., US
[72] TOKI, BRIAN E., US
[72] EBENS, ALLEN J., US
[72] KLINE, TONI BETH, US
[72] POLAKIS, PAUL, US
[72] SLIWKOWSKI, MARK X., US
[72] SPENCER, SUSAN D., US
[71] SEATTLE GENETICS, INC., US
[22] 2004-11-05
[41] 2005-09-09
[62] 2,841,741
[30] US (60/518,534) 2003-11-06
[30] US (60/557,116) 2004-03-26
[30] US (60/598,899) 2004-08-04
[30] US (60/622,455) 2004-10-27

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[13] A1
[51] **Int.Cl. H01L 33/50 (2010.01) F21K 9/64 (2016.01) A01G 9/20 (2006.01)**
[25] EN
[54] **LIGHT EMISSION SOURCE LED COMPONENT, HORTICULTURAL LIGHT, AND HORTICULTURAL LIGHTING FIXTURE**
[54]
[72] AIKALA, LARS, FI
[71] VALOYA OY, FI
[22] 2010-09-16
[41] 2011-03-24
[62] 3,003,994
[30] US (61/243,613) 2009-09-18
[30] FI (20095967) 2009-09-18
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[21] **3,062,786**
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[25] EN
[54] **ANTI-HUMAN RESPIRATORY SYNCYTIAL VIRUS (RSV) ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-VIRUS RESPIRATOIRE SYNCYTIAL (RSV) HUMAIN ET PROCEDES D'UTILISATION**
[72] KEOGH, ELISSA, US
[72] PASCUAL, GABRIEL, US
[72] WADIA, JEHANGIR, US
[72] WILLIAMSON, ROBERT ANTHONY, US
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[22] 2011-07-08
[41] 2012-01-12
[62] 2,805,547
[30] US (61/399,310) 2010-07-09
[30] US (61/456,454) 2010-11-05

[21] **3,062,803**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) H04W 4/021 (2018.01) H04W 4/38 (2018.01)**
[25] EN
[54] **IDENTIFICATION, LOCATION, AND AUTHENTICATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION, DE LOCALISATION ET D'AUTHENTIFICATION**
[72] DE WITT, GREGORY TAYLOR, US
[72] MUNTEANU, EUGEN, US
[71] CLOUDTRAQ LLC, US
[22] 2016-05-20
[41] 2016-11-24
[62] 2,986,572
[30] US (62/165,140) 2015-05-21
[30] US (62/165,142) 2015-05-21
[30] US (62/165,138) 2015-05-21
[30] US (62/165,134) 2015-05-21

[21] **3,063,234**
[13] A1
[25] EN
[54] **IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] TANAKA, JUNICHI, JP
[71] VELOS MEDIA INTERNATIONAL LIMITED, IE
[22] 2012-01-18
[41] 2012-08-16
[62] 2,819,401
[30] JP (2011-027896) 2011-02-10
[30] JP (2011-047655) 2011-03-04
[30] JP (2011-187179) 2011-08-30

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[25] EN
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[72] APPLEY, CHARLES, US
[72] HAMPSON, CARL, GB
[72] MUELLER, GERT, US
[71] KNAUF INSULATON SPRL, BE
[22] 2008-08-01
[41] 2009-02-12
[62] 2,695,407
[30] GB (0715100.4) 2007-08-03
[30] GB (0807777.8) 2008-04-29
[30] GB (0810297.2) 2008-06-06

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[21] **3,063,266**
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[25] EN
[54] **ANTENNA PROVIDING VARIABLE COMMUNICATION WITH AN IMPLANT**
[54] **ANTENNE ETABLISSANT UNE COMMUNICATION VARIABLE AVEC UN IMPLANT**
[72] MUELLER, CARSTEN, DE
[72] MASHIACH, ADI, BE
[71] NYXOAH SA, BE
[71] MASHIACH, ADI, BE
[22] 2012-09-28
[41] 2013-05-02
[62] 2,850,445
[30] US (61/541,651) 2011-09-30
[30] US (61/657,424) 2012-06-08

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[21] **3,063,495**
[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01)**
[25] EN
[54] **BLOOD MAGNETIC STIMULATION DEVICE**
[54] **DISPOSITIF DE STIMULATION MAGNETIQUE DU SANG**
[72] FU, KUN-MEI, TW
[72] HO, CON-WAY, US
[71] VENITAS RESEARCH CENTER, LLC, SC
[22] 2018-01-24
[41] 2019-07-24
[62] 2,992,878

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[21] **3,063,658**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/958 (2013.01)**
[25] EN
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[54] **VALVE CARDIAQUE PROSTHETIQUE**
[72] LEVI, TAMIR, US
[72] NGUYEN, SON V., US
[72] BENICHOU, NETANEL, US
[72] MAIMON, DAVID, US
[72] YOHANAN, ZIV, US
[72] GUROVICH, NIK, US
[72] FELSEN, BELLA, US
[72] DADONKIN, LARISA, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2011-10-05
[41] 2012-04-12
[62] 3,020,195
[30] US (61/390,107) 2010-10-05
[30] US (61/508,513) 2011-07-15

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[21] **3,065,055**
[13] A1
[51] **Int.Cl. H04J 4/00 (2006.01) H04L 27/00 (2006.01)**
[25] EN
[54] **RECEIVER METHOD AND TRANSMISSION METHOD**
[54] **METHODE DE RECEPTION, RECEPTEUR, METHODE DE TRANSMISSION, EMETTEUR ET SYSTEME EMETTEUR-RECEPTEUR**
[72] KOHDA, TOHDA, US
[71] RADIUS CO., LTD., JP
[22] 2019-12-13
[41] 2019-12-13
[30] US (PCT/JP2018/001735) 2018-01-22

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ESCHEN, CLAUDIA 3,067,770
ESCOTT, ADRIAN EDWARD 3,067,886
ESSAFI, DANIEL 3,067,887
ESSENLIX CORPORATION 3,067,036
ETABLISSEMENT FRANCAIS DU SANG 3,067,551
ETCHISON, EMILY 3,067,630
ETEMAD, S. ALI 3,067,716
ETEROS TECHNOLOGIES INC. 3,067,665
ETIENNE, JAMES 3,067,013
EURO-CELTIQUE S.A. 3,067,052
EURO-CELTIQUE S.A. 3,067,058
EURO-CELTIQUE S.A. 3,067,065
EURO-CELTIQUE S.A. 3,067,276
EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG 3,067,883
EUROPEAN MOLECULAR BIOLOGY LABORATORY 3,067,070
EUROPEAN MOLECULAR BIOLOGY LABORATORY 3,067,075
EUROPEAN MOLECULAR BIOLOGY LABORATORY 3,067,080
EUROPEAN MOLECULAR BIOLOGY LABORATORY 3,067,086
EVANS, GERAINT WYN 3,067,144
EVAPCO, INC 3,067,709
EVERLY, MARK DENIS 3,067,216
EVERMAN, REBECCA L. A. 3,067,415
EVOLUTION WELL SERVICES, LLC 3,067,854
EVULET, ANDREI 3,067,346
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,067,338
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,067,524
EYEMED TECHNOLOGIES LTD 3,067,172
EYSSAUTIER, FRANCOIS 3,067,555
F. HOFFMANN-LA ROCHE AG 3,067,339
F. HOFFMANN-LA ROCHE AG 3,067,944
FABRI, CARLOS EDUARDO 3,066,577
FABRI, CARLOS EDUARDO 3,066,579
FABRITIUS, CHARLES-HENRY 3,067,765
FACTOR, MALLORY 3,067,321
FAIVELEY TRANSPORT WITTEN GMBH 3,067,077
FALAH, SAMER 3,067,427
FALKENBURG, J. H. FREDERIK 3,067,772
FALLAHMOHAMMADI, EHSAN 3,067,738
FALLAHMOHAMMADI, EHSAN 3,067,742
FALLONE, B. GINO 3,067,648
FARACH, JULIO 3,067,861
FARMER, SEAN 3,067,248
FASETTO, INC. 3,067,042
FAST, JONATHAN P. 3,067,083
FAST, JONATHAN P. 3,067,095
FEDERAL EXPRESS CORPORATION 3,066,334
FEDERAL-MOGUL MOTORPARTS LLC 3,067,554
FEHLE, MARKUS 3,067,293
FEIST, FRANK 3,067,655
FELCH, CHAD L. 3,067,019
FELLS, KATHERINE 3,067,311
FENERIE, ROMAIN 3,066,977
FENG, DAYU 3,067,643
FENG, JIANGANG 3,067,651
FENG, WENYI 3,067,249
FENG, YANAN 3,068,005
FEREGRINO MONTES, CIRO 3,067,328
FERGUSON, DAVID GEORGE 3,067,246
FERGUSON, SAMUEL ANDREW 3,067,866
FERNANDEZ-PRIETO, SUSANA 3,067,882
FERREE, THOMAS C. 3,067,928
FERRELL, JAMES C. 3,067,643
FESSENBECKER, ACHIM 3,066,949
FEUERBACH, DOMINIK 3,067,509
FEUERHERM, ASTRID JULLUMSTRO 3,067,302
FEWKES, EDWARD JOHN 3,067,024
FG INNOVATION COMPANY LIMITED 3,067,783
FG INNOVATION COMPANY LIMITED 3,067,979
FIDAI, SHAFIQUE 3,067,909
FIGEYS, JOSEPH MICHEL DANIEL 3,067,062
FILBERT, ERIN L. 3,067,835
FILMER, ANTHONY OWEN 3,067,498
FILMER, ANTHONY OWEN 3,067,503
FILVAROFF, ELLEN 3,067,585
FINE AGROCHEMICALS LIMITED 3,067,084
FINE COTTON FACTORY INC. 3,067,874
FINECELL SWEDEN AB 3,067,007
FINLEY, DAVID W. 3,067,233
FISCHER, KARSTEN 3,067,408
FISCHER, WILLIAM MICHAEL 3,067,233
FISHER CONTROLS INTERNATIONAL LLC 3,067,355
FISHER CONTROLS INTERNATIONAL LLC 3,067,547
FISHER, DAVID 3,067,459
FISHER, JEFFREY S. 3,067,048
FISSELL, WILLIAM 3,068,008
FLASHY LIMITED 3,067,887
FLEENOR, HAROLD WAYNE 3,067,361
FLEISCHER, DAVID 3,067,734
FLEISCHER, LAUREN 3,067,244
FLEISCHMANN, KEVIN 3,067,624
FLEMMING, JEB H. 3,067,812
FLOYD, TIMOTHY 3,067,583
FOAMIX PHARMACEUTICALS LTD. 3,067,308
FOGT, JOANNA 3,067,765
FOLEY, JENNIFER 3,067,184
FOLEY, JENNIFER 3,067,426
FOLEY, JENNIFER OLIVIA 3,067,029
FONSECA, SERGIO FABIAN 3,067,272
FORD, ZACHARY PATRICK 3,067,617
FORREST, CHRISTOPHER 3,067,459
FORTIN, SAMUEL C. 3,054,203
FORTMAN, GEORGE CHARLES 3,067,853
FORTNA, RAYMOND T. 3,067,011
FOSCHI, NICOLA 3,067,868

FOSCHI, NICOLA 3,067,876
FOSTER, ROBERT T., II 3,067,815
FOX, CHRISTOPHER B. 3,067,224
FRANCES, JEAN-MARC 3,067,711
FRANKEN, WOUTER MATTHIJS 3,067,878
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,067,613
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,067,069
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,067,106
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,067,120
FRAYLING, CAMERON ALEXANDER 3,067,171
FREDSALL, GIL 3,067,049
FREDY, CAROLE 3,067,403
FREE, PAUL DOUGLAS 3,067,216
FREEMAN, EUAN 3,067,956
FREEMAN, JONATHAN 3,067,887
FREMAUX, JULIETTE 3,067,674
FRESENIUS KABI DEUTSCHLAND GMBH 3,067,999
FRESENIUS KABI DEUTSCHLAND GMBH 3,068,001
FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 3,067,408
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,067,408
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,067,485
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,067,626
FRIANT-MICHEL, SYLVIE 3,067,497
FRIEL, MICHAEL 3,067,916
FRIESEN, JAKE 3,056,053
FRITSCHI, RAPHAEL 3,067,451
FU, YANG-XIN 3,067,539
FUJIFILM TOYAMA CHEMICAL CO., LTD. 3,067,453
FUJIFILM TOYAMA CHEMICAL CO., LTD. 3,067,455
FUJIFILM TOYAMA CHEMICAL CO., LTD. 3,067,456
FUJIFILM TOYAMA CHEMICAL CO., LTD. 3,067,458
FUJINO, TOSHIKI 3,067,526
FUKANG (SHANGHAI) HEALTH TECHNOLOGY CO., LTD. 3,067,336
FUKANUMA, HIROTAKA 3,067,686
FUKUI, YUICHI 3,067,526
FULLER, MATTHEW 3,067,834
FUNABASHI, KAZUHIKO 3,067,183
FUNDACION TECNALIA RESEARCH & INNOVATION 3,067,705
FUNDACION UNIVERSITARIA SAN PABLO 3,067,875
FUNG, TRACY H. 3,067,249
FUNKE, DAN 3,067,018
FUTURECHEM CO., LTD. 3,067,696
FUVI COGNITIVE NETWORK CORPORATION 3,067,017
G1 THERAPEUTICS, INC. 3,067,873
GAGLIANO, JULIEN 3,067,937
GAID, ABDELKADER 3,067,103
GAL S.L. LTD 3,067,101
GALA, DINESH 3,066,968
GALAND, ANTOINE 3,067,304
GALBIATI, CRISTIANO 3,067,143
GALBREATH, CURT 3,067,355
GALBREATH, CURT 3,067,547
GALERMO, ACE GITA 3,067,582
GALEZOWSKI, MICHAL 3,067,765
GALLAGHER, KAITLIN MARGARET 3,067,636
GALLE, CHARLIE 3,067,619
GALLIMORE, MATT 3,067,791
GALON, BINYAMIN 3,067,519
GAMACHE, YVES 3,067,659
GAMAGE, MENUKA 3,067,367
GAN, MING 3,067,750
GANDER, SOPHIE 3,067,912
GANDHI, RONAK BHADRESH 3,067,342
GARCIA GUILLEN, TOMAS ANDRES 3,067,174
GARCIA, ERIN CHRISTINE 3,067,230
GARCIA, ERIN CHRISTINE 3,067,420
GARCIA, ISABEL 3,067,899
GARCON, LOIC 3,067,551
GARGLE WATER, INC. 3,067,644
GARREAU, XAVIER 3,067,412
GARROW, KRISTIAN P. 3,067,934
GARTEN, MATTHEW BRANDON 3,067,843
GASPARINI, FABRIZIO 3,067,688
GASSER, KLAUS 3,067,067
GASSMAN, GEORGE W. 3,067,547
GATES, IAN D. 3,067,066
GATTO, CHRISTOPHER D. 3,067,826
GAUTHEROT, EMMANUEL 3,067,223
GAUVREAU, PAUL 3,067,718
GAUVRIT, JACQUES PAUL MICHEL 3,067,119
GAVILLET, GILLES 3,067,699
GAVIN, GABRIEL 3,067,219
GAYTON, CHRISTOPHE 3,067,255
GAZARIAN, JEREMY 3,067,749
GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD. 3,067,471
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC 3,067,552
GEE, MICHAEL 3,067,486
GEEROMS, JORIS 3,067,145
GEHRING, DORIS 3,066,942
GENERAL ELECTRIC COMPANY 3,067,778
GENERAL FUSION INC. 3,067,260
GENERAL MILLS, INC. 3,067,629
GENOVIE AB 3,067,124
GENSIGHT BIOLOGICS 3,067,619
GEOPIER FOUNDATION COMPANY, INC. 3,067,544
GEORG-AUGUST-UNIVERSITAT GOTTINGEN STIFTUNG OFFENTLICHEN RECHTS, UNIVEITATSMEDIZIN 3,067,068
GEORGE, WAYNE N. 3,067,434
GEORGI, EMMANUELLE 3,067,031
GEORGIA-PACIFIC CORRUGATED LLC 3,067,157
GEORGIA-PACIFIC CORRUGATED LLC 3,067,158
GEPHART, MATTHEW P. 3,067,428
GER NORTH AMERICA, LLC 3,067,577
GERA, NIMISH 3,067,247
GERBER, RYAN MICHAEL 3,067,040
GERMAN, JOHN BRUCE 3,067,582
GERON CORPORATION 3,066,968
GERSTER, JENNY L. 3,067,271
GERWIEN, ROBERT WILLIAM 3,067,828
GHOSH, RAJIB 3,067,257
GIBERT, GUILLAUME 3,067,555
GILDERSLEEVE, OLIVER D. 3,067,748
GILL, AARON MICHAEL 3,067,866
GILL, TIMOTHY 3,067,838
GILL, TIMOTHY, MICHAEL 3,067,908
GILLESPIE, KEVIN C. 3,067,617
GILLESPIE, RONALD O. 3,067,735
GIMBLET, MICHAEL JOHN 3,067,024
GIOIELLO, ANTIMO 3,067,219
GIRAUD, JEAN-PIERRE 3,067,632
GIROTTI MICHELA 3,067,676
GIROUARD, ERICK 3,067,236
GIROUARD, ERICK 3,067,262
GIROUARD, ERICK 3,067,266
GISINGER, STEFAN 3,067,293
GLADSTONE, MICHAEL N. 3,067,211
GLEAVE, MARTIN E. 3,067,269
GLYTECH LLC. 3,067,162
GOBIN, JEROME 3,067,614
GOEBEL, STEVEN 3,068,008
GOJO INDUSTRIES, INC. 3,067,839
GOLDMAN, MARC 3,067,841
GOLDMAN, STEVEN 3,067,558
GOLDSMITH, TIMOTHY JOSEPH 3,067,825
GOLDSTEIN, LOREN 3,067,638
GOLDY, GARY 3,067,530
GOMEZ CAUDILLO, ALEJANDRO 3,067,328
GOMEZ-MANCILLA, BALTAZAR 3,067,688
GONG, GUOCHUN 3,067,872
GONG, ZHEN 3,067,941
GONG, ZHENGWEI 3,067,267

GONZALEZ FERNANDEZ, DAVID 3,067,737
GOODIN, MARK 3,068,008
GOODISMAN, MICHAEL IAN 3,067,132
GOODMAN, ETHAN 3,067,599
GOODRICH, DAVID PAUL 3,067,852
GOODRICH, JAMES M. (DECEASED) 3,067,147
GOODWIN, JR., ROBERT A. 3,067,428
GOODWIN, PAUL 3,067,444
GORALTCHOUK, ALEXEI 3,067,865
GORDON, CHRIS 3,067,629
GORIN, BORIS 3,067,271
GORMAN, MATTHEW 3,067,164
GORPE-YASAR, FILIZ 3,067,048
GORPE-YASAR, FILIZ 3,067,140
GOUDOT, CHRISTEL 3,067,446
GOUDREAU, SEBASTIEN 3,067,674
GOUEL, FLORE 3,067,294
GOUGH, JULIAN 3,067,862
GOUGH, JULIAN 3,067,863
GOULLIANNE, EDDY 3,067,128
GOWANI, JEHANGIR 3,067,644
GOZANI, SHAI NACHUM 3,067,928
GRAND VALLEY STATE UNIVERSITY 3,067,992
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,067,228
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,067,623
GRAPHWEAR TECHNOLOGIES INC. 3,067,304
GRAVE, EDWARD J. 3,067,338
GRAVINA, SILVIA 3,067,433
GRAY, JOHN MICHAEL 3,067,825
GRECO, CIRO 3,067,789
GRECO, MICHAEL NICHOLAS 3,067,044
GREEN, MICHAEL ALAN 3,067,044
GREGORIUS, KLAUS 3,067,123
GRELLIER, BENOIT 3,067,405
GRIBBLE, DAVID H. 3,067,523
GRICE, LEE 3,067,861
GRIFFIOEN , MARIEKE 3,067,772
GRIFFITH UNIVERSITY 3,067,495
GRISOT-SAULE, MYRIAM 3,067,254
GRONVALL, LARS 3,067,126
GRONVALL, LARS 3,067,791
GRONVALL, LARS 3,067,793
GROSS, JAN 3,067,799
GROSZEK, JOEY 3,068,008
GROVES, RYAN 3,067,097
GRUBB, NATHAN A. 3,067,011
GS CALTEX CORPORATION 3,067,525
GSK CONSUMER HEALTHCARE S.A. 3,067,928
GUAN, PENG 3,067,081
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,066,646
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,066,821
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,066,825
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,072
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,074
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,270
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,468
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,475
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,476
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,479
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,481
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,067,732
GUAQUIERE, JULIETTE SEGOLENE 3,067,147
GUDIBANDE, RAJATESCH, R. 3,067,304
GUERIN, DIDIER 3,067,899
GUERIN, THOMAS 3,067,866
GUEST, GAIUS HENRY 3,067,288
GUICHARD, GILLES 3,067,674
GUINEY, KARL 3,067,194
GULATI, KAPIL 3,067,152
GULIZIA, STEFAN 3,066,943
GUNDA, DHIRAJ 3,067,368
GUNDERSON, KEVIN L. 3,067,048
GUNDERSON, KEVIN L. 3,067,230
GUNDERSON, KEVIN L. 3,067,420
GUNDLACH, JENS H. 3,067,420
GUNTER, CHARLES 3,067,215
GUPTA, AMIN JEAN 3,067,917
GUPTA, RISHABH 3,067,716
GURSEL, METE 3,067,866
GUTIERREZ ALBANCHEZ, ENRIQUE 3,067,875
GUTIERREZ MANERO, FRANCISCO JAVIER 3,067,875
GUTIERREZ, TARANNUM ISHAQ 3,067,150
GUYONNEAU-HARMAND, LAURENCE 3,067,551
GYBERG, MICHAEL 3,067,121
H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC. 3,067,605
H.T. CONSULTANT 3,067,101
HAARALA, ANNA 3,067,492
HAARALA, ANNA 3,067,494
HAAS, ULRICH JOHANNES 3,067,309
HADAL, INC. 3,067,341
HADAL, INC. 3,067,345
HADAL, INC. 3,067,395
HAEFLIGER, EDUARD ANTON 3,067,278
HAEHNEL, PATRICK 3,040,187
HAGE, MATTHEW 3,067,184
HAGELSTEIN, PETER 3,067,633
HAGEN, THIT ROSE 3,067,867
HAGEN-EGGERT, MARTIN 3,067,883
HAGHIGHI, MOHAMMAD FARID EHTEMAM 3,067,368
HAGHIKIA, AIDEN 3,067,728
HAHN, MICHAEL 3,066,942
HAINES, ALEX NORMAN 3,067,600
HAJ, CHRISTEEN 3,067,512
HAJEK, RONALD, E. 3,067,623
HALAC, JASON 3,067,825
HALDOR TOPSOE A/S 3,067,780
HALLEN, HANS 3,066,822
HALLEN, HANS 3,066,823
HALLEVALL, NICLAS 3,067,112
HALLEVALL, NICLAS 3,067,117
HALLIBURTON ENERGY SERVICES, INC. 3,067,621
HALLIBURTON ENERGY SERVICES, INC. 3,067,809
HALLIBURTON ENERGY SERVICES, INC. 3,067,864
HAMEL, SIMON 3,067,449
HAMILTON, DUGALD ROSS 3,067,004
HAMILTON, GREGORY 3,067,944
HAMM, CHRISTOPHER DAVID 3,067,396
HAMMEN, RICHARD R. 3,067,197
HAN, YUN 3,067,218
HANAWA, HIROYUKI 3,067,183
HANCOCK, CHRISTOPHER PAUL 3,067,514
HANG, TA-CHUN 3,067,847
HANGZHOU GREAT STAR INDUSTRIAL CO., LTD. 3,067,652
HANGZHOU GREAT STAR TOOLS CO., LTD. 3,067,652
HANNA, RENE 3,068,003
HANNAN, NICHOLAS 3,067,759
HANSEN, ESBEN HALKJAER 3,067,443
HANSON, JACOB W. 3,067,197
HARASHIMA, HIDEYOSHI 3,067,192
HARE, JOSHUA M. 3,067,354
HARMON, MANCE 3,066,903
HARPER, STEPHEN 3,067,163
HARRIS, BRYN 3,066,938
HARRIS, DONALD RUSSELL 3,067,839
HARRIS, KATHERINE 3,067,584
HARRIS, NEIL GEOFFREY 3,067,838
HARRISON, BRETT 3,067,097
HARTFORD, SUZANNE 3,067,872
HARTRICK, CRAIG 3,067,398
HARUTA, SHUNJI 3,067,788
HASEGAWA, ARATA 3,067,179
HASHIMOTO, MICHIKO 3,067,967
HASSAN, DANIEL 3,067,822
HASSAN, FRED 3,067,822

HASSELMANN, WOLFGANG 3,067,726
HATANAKA, KENJI 3,067,786
HAUSE, RONALD JAMES JR. 3,067,602
HAVERHALS, LUKE MICHAEL 3,067,046
HAWE, ANDREA 3,067,110
HAWKEYE 360, INC. 3,067,545
HAYAKAWA, MASAHIRO 3,067,784
HAYAKAWA, YASUHISA 3,067,958
HAYAKAWA, YASUHISA 3,067,960
HAYDEN, PATRICK M. 3,067,350
HAYES, KEVIN 3,067,040
HAZOT, YOHAN 3,067,308
HE, CHUANFENG 3,062,377
HEAL, JON RICHARD 3,067,443
HEALTHCARE TECHNOLOGIES AND METHODS, LLC 3,068,019
HEALTHTELL INC. 3,067,828
HEALY INTERNATIONAL AG 3,067,440
HEATH, DEREK 3,067,715
HEAVNER, MAXWELL 3,067,805
HEGE, KRISTEN M. 3,067,585
HEIDE, ALEXANDER 3,067,408
HEIDMANN, BIBIA 3,067,489
HEIMBERG, WOLFGANG 3,067,655
HELLER, SCOTT FRANCIS 3,067,211
HELLER, VICTOR WARREN 3,067,540
HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEITND UMWELT (GMBH) 3,067,713
HEMINGWAY, DAREN 3,067,630
HENNION, ALEXANDRE 3,067,614
HENSCHEN, JONATAN 3,067,007
HENSEL, THOMAS 3,067,219
HENSEN, GUIDO CORNELIS 3,067,159
HERBST, HEINZ 3,067,111
HERLING, MARCO 3,067,276
HERSHFIELD, JACOB DAVIS 3,067,011
HERTZOG, DAVID 3,067,184
HETTICH-ONI GMBH & CO. KG 3,067,473
HETTICH-ONI GMBH & CO. KG 3,067,703
HETTICH-ONI GMBH & CO. KG 3,067,706
HETTICH-ONI GMBH & CO. KG 3,067,762
HEUER, CLAAS 3,067,712
HEYWOOD, JOE 3,067,665
HI-STEM GGMBH 3,067,447
HICKLIN, STEVEN 3,067,326
HICKS, TROY 3,067,670
HIFI ENGINEERING INC. 3,067,678
HIGHER DIMENSION MATERIALS, INC. 3,067,373
HILBURG, ANDREAS 3,067,440
HILL, RYAN EDWARD 3,067,124
HILL, SAMUEL L. 3,067,541
HINDLE, FRANCIS 3,067,684
HINOJOSA, CHRISTOPHER DAVID 3,067,384
HIRANO, MASANORI 3,067,532
HIRSCHBEIN, BERNARD 3,067,249
HITCHCOCK, IAN 3,067,838
HITCHCOCK, STEPHEN 3,067,032
HJELM, CHRISTOPHER TODD 3,067,220
HO, CHIH-HU 3,067,485
HO, VEE LEUNG 3,066,891
HODAK, HENRICH 3,067,739
HODGE, ANTHONY NEAL 3,067,689
HODGSON, GRAEME 3,067,023
HOFEL, TORBEN 3,067,733
HOFFMAN, THOMAS JAMES 3,067,309
HOFFMAN, WILLIAM CHRIS 3,067,448
HOFFREN, HANNA 3,067,492
HOFFREN, HANNA 3,067,494
HOFSTEDE, CASPER MARINUS 3,067,774
HOGANAS AB (PUBL) 3,066,822
HOGANAS AB (PUBL) 3,066,823
HOHAI UNIVERSITY 3,067,651
HOHENADEL, ULISSE 3,067,339
HOLDSWORTH, DAVID W. 3,067,282
HOLLOWAY, MARK J. 3,067,843
HOMMERDING, OLIVER 3,067,447
HONG, STANLEY S. 3,067,144
HONG, STANLEY S. 3,067,154
HONG, WON JONG 3,067,794
HONG, XIN 3,067,687
HONKANEN, JOEL 3,067,720
HONKURA, SHINPEI 3,067,330
HONKURA, YOSHINOBU 3,067,330
HOOSHANG AMIRI, ANDREW 3,067,490
HOPKINS, ADAM BAYNE 3,067,386
HOPKINS, MARIA 3,067,032
HORNZEE-JONES, CHRISTOPHER 3,067,781
HORST, PAUL 3,056,053
HOSKINS, BRIAN 3,067,218
HOSSEN, MONJUR 3,067,593
HOU, JILEI 3,067,724
HSU, CHUAN-LUNG 3,067,380
HU, CHANG HEOI 3,067,315
HU, HENG 3,067,661
HU, MIN 3,067,221
HU, SHANHU 3,067,023
HU, XIAOPING 3,067,671
HUAN, XIAJUAN 3,067,336
HUANG, BINGXIANG 3,062,555
HUANG, QUFANG 3,067,279
HUANG, XINGCUN 3,066,818
HUANG, XIPENG 3,066,824
HUANG, YONG 3,067,941
HUANG, YU 3,067,196
HUANG, YUANSHUN 3,067,471
HUAWEI TECHNOLOGIES CO., LTD. 3,062,377
HUAWEI TECHNOLOGIES CO., LTD. 3,066,826
HUAWEI TECHNOLOGIES CO., LTD. 3,067,081
HUAWEI TECHNOLOGIES CO., LTD. 3,067,267
HUAWEI TECHNOLOGIES CO., LTD. 3,067,273
HUAWEI TECHNOLOGIES CO., LTD. 3,067,275
HUAWEI TECHNOLOGIES CO., LTD. 3,067,279
HUAWEI TECHNOLOGIES CO., LTD. 3,067,281
HUAWEI TECHNOLOGIES CO., LTD. 3,067,483
HUAWEI TECHNOLOGIES CO., LTD. 3,067,750
HUAWEI TECHNOLOGIES CO., LTD. 3,067,751
HUBBELL INCORPORATED 3,067,037
HUBBELL INCORPORATED 3,067,136
HUDDLY INC. 3,067,222
HUELLEN, VOLKER 3,067,339
HUGHES, KASEY 3,067,814
HUHN, TILO 3,067,465
HUHTALA, ALEKSI 3,067,121
HUIN, DIDIER 3,067,283
HUNT, ANDREW 3,067,071
HUNT, BRIAN S. 3,067,552
HUNT, CHARLEEN 3,067,872
HUNTER, JOHN 3,067,256
HUNTER, JOHN CORWIN 3,067,427
HUOT, NICOLAS 3,067,681
HWS CONCRETE TOWERS, S.L. 3,067,298
HYUNDAI HEAVY INDUSTRIES CO., LTD 3,067,794
I-CON SYSTEMS, INC. 3,067,881
I.R MED LTD. 3,067,312
IBRAHIM, AHMAD 3,067,711
ICAT LLC 3,067,827
IDEALFIT SPACER TECHNOLOGIES INC. 3,067,282
IDORSIA PHARMACEUTICALS LTD 3,067,489
IFP ENERGIES NOUVELLES 3,067,749
IIDA SANGYO CO., LTD. 3,067,529
IKUMA TAKAHITO 3,067,521
ILLINOIS TOOL WORKS INC. 3,067,161
ILLUMINA CAMBRIDGE LIMITED 3,067,029
ILLUMINA CAMBRIDGE LIMITED 3,067,144
ILLUMINA CAMBRIDGE LIMITED 3,067,434
ILLUMINA SINGAPORE PTE. LTD. 3,067,433
ILLUMINA, INC. 3,067,029
ILLUMINA, INC. 3,067,048
ILLUMINA, INC. 3,067,140
ILLUMINA, INC. 3,067,144
ILLUMINA, INC. 3,067,154
ILLUMINA, INC. 3,067,175
ILLUMINA, INC. 3,067,180
ILLUMINA, INC. 3,067,181
ILLUMINA, INC. 3,067,184
ILLUMINA, INC. 3,067,227
ILLUMINA, INC. 3,067,229
ILLUMINA, INC. 3,067,230
ILLUMINA, INC. 3,067,245
ILLUMINA, INC. 3,067,249

ILLUMINA, INC. 3,067,250
ILLUMINA, INC. 3,067,251
ILLUMINA, INC. 3,067,418
ILLUMINA, INC. 3,067,419
ILLUMINA, INC. 3,067,420
ILLUMINA, INC. 3,067,421
ILLUMINA, INC. 3,067,422
ILLUMINA, INC. 3,067,424
ILLUMINA, INC. 3,067,425
ILLUMINA, INC. 3,067,426
ILLUMINA, INC. 3,067,433
ILLUMINA, INC. 3,067,434
ILLUMINA, INC. 3,067,435
ILMONIEMI, RIITTA 3,067,492
ILMONIEMI, RIITTA 3,067,494
IM, YANG JU 3,067,233
IMANO SHINYA 3,067,702
IMBA - INSTITUT FUR MOLEKULARE BIOTECHNOLOGIE GMBH 3,066,959
IMHOF, PHILIPP 3,067,077
IMMATICS BIOTECHNOLOGIES GMBH 3,067,757
IMMUNOCORE LIMITED 3,067,163
IMRAN, MIR 3,067,021
INCUBE LABS, LLC 3,067,021
INFECTIOUS DISEASE RESEARCH INSTITUTE 3,067,224
INFLAZOME LIMITED 3,067,410
INGRAM, CHARLES CHRISTOPHER 3,067,361
INGRAM, ERIK 3,067,665
INGURAN, LLC 3,067,712
INKS, TRAVIS MAXWELL 3,067,022
INNES, DANIEL J. 3,067,214
INNISS, MARA CHRISTINE 3,067,211
INNOGY SE 3,067,438
INNOVA PATENT GMBH 3,067,073
INNOVA PATENT GMBH 3,067,293
INNOVATION VENTURES IP AT UKHS, LLC 3,067,690
INNOVEX DOWNHOLE SOLUTIONS, INC. 3,067,590
INOTEV INC. 3,067,659
INOXA SRL 3,067,775
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,067,294
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,067,446
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,067,551
INSTITUT CURIE 3,067,446
INSTITUT NATIONAL DE LA SANT ET DE LA RECHERCHE MEDICALE 3,067,497
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 3,067,619
INSTITUT PASTEUR 3,067,681
INTERCEPT PHARMACEUTICALS, INC. 3,067,219
INTERROLL HOLDING AG 3,067,915
INTRABIO LTD 3,067,321
INVACARE CORPORATION 3,067,429
INVEOX GMBH 3,067,653
INVEOX GMBH 3,067,673
IPPODRINO, RUDY 3,067,868
IPPODRINO, RUDY 3,067,876
IRENIX MEDICAL, INC. 3,067,243
IS5 COMMUNICATIONS, INC. 3,067,880
ISAAC, THOMAS HENRY 3,067,105
ISAAC, THOMAS HENRY 3,067,169
ISAAC, THOMAS HENRY 3,067,171
ISOPURE, CORP. 3,067,617
ISRAELI, NIR 3,067,172
IUDICI NICOLA 3,067,676
IWASA, TAKAO 3,067,182
J.H. FLETCHER & CO. 3,067,137
J.R. SIMPLOT COMPANY 3,067,618
JABLONS, DAVID M. 3,067,871
JACKSON, JOHN K. 3,067,269
JACKSON, ROGER NEIL 3,067,866
JACOB, GUY 3,067,128
JACOLOT, RONAN 3,067,283
JACQUELIN, BEATRICE 3,067,681
JADE HEALTHCARE GROUP INC. 3,067,139
JAEGER, ERICH B. 3,067,140
JAFFRENNOU, BORIS 3,067,413
JAGASSAR, PARBATEE 3,067,368
JAIN, NEERA 3,067,572
JAKOBSSON, PER-JOHAN 3,067,069
JALILIAN, SEYED EHSAN 3,067,678
JAMES, ALLAN MARTIN 3,067,672
JAMES, ARTHUR 3,067,799
JANG, SEONG-RYONG 3,067,679
JANI, MINAKSHI B. 3,067,591
JANI, MINAKSHI, B. 3,067,592
JANIGA, ANITA 3,067,765
JANIS, BRETT 3,067,039
JANSSEN SCIENCES IRELAND UNLIMITED COMPANY 3,067,147
JARRARD, BRIAN MATTHEW 3,067,535
JARVIS, REAGAN MICHEAL 3,067,124
JAVAID, ABDUL 3,067,716
JAVITT, DANIEL C. 3,067,162
JEANGUENAT, ANDRE 3,067,309
JELLYNOV 3,067,189
JENNISSEN, LARS 3,067,755
JENSEN, JOHN MICHAEL 3,067,233
JENSEN, NEAL 3,067,854
JEON, SANG JUN 3,067,525
JEONG, HYEON JIN 3,067,696
JEONG, JEONG-O. 3,067,350
JERSEY, STEVEN T. 3,067,823
JESSEN, KATTI 3,067,829
JETOPTERA, INC. 3,067,346
JI, SEUNGHEE 3,067,482
JIA, JIMMY 3,067,856
JIANG, CHUANGXIN 3,067,089
JIANG, CHUNHUA 3,067,078
JIANG, JING 3,067,724
JIANG, TINGTING 3,067,425
JIANG, YUE 3,067,602
JIANGSU HENGRUI MEDICINE CO., LTD. 3,067,953
JIAWEI RENEWABLE ENERGY CO., LTD. 3,050,972
JINDAL, SIDDHARTH 3,067,247
JOHANNES, JOSEPH 3,067,423
JOHANNESSEN, LIV HELENA 3,067,023
JOHANSSON, MAGNUS 3,067,112
JOHANSSON, MAGNUS 3,067,117
JOHN MEZZALINGUA ASSOCIATES, LLC 3,067,342
JOHNASEN, BERIT 3,067,302
JOHNS, DONALD 3,067,688
JOHNSON & JOHNSON CONSUMER INC. 3,067,769
JOHNSON MATTHEY PUBLIC LIMITED COMPANY 3,067,718
JOHNSON TECHNOLOGIES CORPORATION 3,067,719
JOHNSON, AMY 3,067,847
JOHNSON, GARRETT DALLAS 3,067,150
JOHNSON, MICHAEL CHARLES 3,067,636
JOHNSON, PAUL R. 3,067,719
JOHNSON, ROBERT E. 3,067,719
JOHNSON, SEAN 3,067,636
JOHNSTON, NEAL DAVIS 3,067,825
JOMEHRI, AMIR 3,067,265
JONCICH, ANDREW 3,067,825
JONES, CHRISTOPHER M. 3,067,375
JONES, KATHLEEN 3,067,284
JONES, TARRAN 3,067,597
JORDAN, SEAN 3,067,670
JORGSHOLM, MICHAEL 3,067,734
JPMORGAN CHASE BANK, N.A. 3,067,427
JT INTERNATIONAL SA 3,067,445
JUAREZ, JUAN C. 3,067,338
JUN, HYUNGJIN 3,067,482
JUNG, JIN WOO 3,067,482
JUNG, MICHAEL, E. 3,067,746
JUNG, WON-HYUK 3,067,482
JUNG, WOON JUNG 3,067,696
JUNGLA INC. 3,067,642
JUNO THERAPEUTICS, INC. 3,067,602
JURONG SHIPYARD PTE LTD. 3,067,767
JUST BIOTHERAPEUTICS, INC. 3,067,735
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) 3,067,185
KABUSHIKI KAISHA TOSHIBA 3,067,967
KADIYALA, SUDHAKAR 3,067,454
KADIYALA, SUDHAKAR 3,067,457
KADOUS, TAMER 3,067,033
KADOUS, TAMER 3,067,149

KAFIENAH, WAEL 3,067,862
KAHATT, ESPIR GABRIEL 3,067,243
KAISER, ANDRE 3,067,706
KAISER, JAMES M. 3,067,999
KAISER, JAMES M. 3,068,001
KAJIMURA, DAISUKE 3,067,872
KALE, AMIT 3,067,572
KAMADA LTD. 3,067,168
KAMIYAMA, FUMIO 3,067,660
KAMIYAMA,FUMIO 3,067,694
KAMMERER, DANIEL 3,067,339
KAMPER, MARTIN 3,067,946
KANE, MICHAEL, J. 3,067,207
KANELLOPOULOS, VASILEIOS 3,067,744
KANER, RICHARD B. 3,067,725
KANG, MIN HO 3,067,794
KANG, SHIN-HYUK 3,067,416
KANNANGARA, RUBINI MAYA 3,067,443
KANNO, SHOTA 3,067,183
KAO, TZU-JEN 3,067,778
KAPLAN, SHANNON 3,067,422
KAPS, CHRISTIAN 3,067,770
KARUCHULA, VENKATA NAGA POLESWARA RAO 3,067,348
KASER, UWE 3,067,915
KASHIV BIOSCIENCES, LLC 3,061,382
KASSAB, ASMAA SADEK 3,067,689
KASSERA, VOLKER 3,067,286
KATAOKA, YUTAKA 3,067,632
KATO, TOMOYASU 3,067,527
KAUFMAN, ARIE 3,067,824
KAWANA, MARIKO 3,067,786
KAWANAMI, TAKEO 3,067,526
KAWASAKI JUKOGYO KABUSHIKI KAISHA 3,067,782
KAWASAKI, YUDAI 3,067,783
KAY, SUSAN B. 3,067,815
KAYHANI, NIOSHA 3,067,885
KAZEMIZADEH, MOHAMMAD R. 3,067,213
KC, REMANT BAHADUR 3,067,452
KEEHAN, MICHAEL GREGORY 3,067,230
KEEHAN, MICHAEL GREGORY 3,067,420
KELLER, DAVID A. 3,067,825
KELLEY, RYAN 3,067,418
KELLEY, RYAN 3,067,419
KELLEY, RYAN MATTHEW 3,067,421
KELLNER, JUSTIN 3,067,590
KELLOGG COMPANY 3,067,593
KELLY, DOUGLAS J. 3,067,105
KELLY, DOUGLAS J. 3,067,169
KELVIN THERMAL ENERGY, INC. 3,067,650
KEMIRA OYJ 3,066,819
KEMIRA OYJ 3,067,414
KEMIRA OYJ 3,067,492
KEMIRA OYJ 3,067,494
KEMPER, COREY 3,067,318
KEMPKEY, MARK DOUGLAS 3,067,825
KENKEL, JUSTIN 3,067,146
KENNEDY, MARK 3,067,805
KERJASCHKI, DONTSCHO 3,066,959
KERSH, MELISSA S. 3,067,011
KESCH, CLAUDIA 3,067,269
KETH, INGRID 3,067,339
KEY TECHNOLOGY, INC. 3,067,335
KEY TECHNOLOGY, INC. 3,067,337
KEYNTON, ROBERT S. 3,067,356
KHALILI, BAHAREH 3,067,271
KHANDHAR, AMIT PRAFUL 3,067,224
KHASANOV, ALISHER 3,067,311
KHATAMI, REZA 3,068,002
KHATIWADA, SUMAN 3,067,806
KHATIWADA, SUMAN 3,067,808
KHATOONABADI, ARMIN 3,066,502
KHOMOVSKIY, ANDREY 3,066,576
KHOSHNEVISAN, MOSTAFA 3,067,844
KHURANA, TARUN 3,067,249
KHURANA, TARUN 3,067,426
KHURANA, TARUN KUMAR 3,067,029
KHURANA, TARUN KUMAR 3,067,048
KHURANA, TARUN KUMAR 3,067,140
KI, SO YOUNG 3,067,482
KIBOW BIOTECH, INC. 3,067,991
KIDD, MARK 3,067,730
KIKUCHI, SHOTA 3,067,032
KIM, BONGCHEOL 3,067,416
KIM, DAE SOO 3,067,794
KIM, DONG HYUN 3,067,482
KIM, DONG SIK 3,067,416
KIM, HONG-KEUN 3,067,156
KIM, JINMIN 3,067,186
KIM, MI HYUN 3,067,696
KIM, MIN HWAN 3,067,696
KIM, MYOUNG GOO 3,067,219
KIM, SEOKJOONG 3,067,316
KIM, SEUNGIN 3,067,482
KIM, SI HWAN 3,067,315
KIM, SOON KI 3,067,315
KIM, TAE WOO 3,067,416
KIM, UN-GI 3,067,316
KIM, YOUNG-HWA 3,067,373
KINASHI, HIKARU 3,067,185
KINITZ, TIM 3,067,946
KIPKE, CARY A. 3,067,297
KIRRANE, THOMAS MARTIN JR. 3,066,946
KITASE, YUMA 3,067,784
KLAHN, CHRISTIAN 3,067,060
KLAHN, CHRISTIAN 3,067,090
KLEIN, KONRAD 3,067,156
KLEIN, RONNIE 3,067,312
KLEY, SASKIA 3,067,918
KLEYMAN, ARDY, S. 3,067,814
KLITGAARD, JANNE KUDSK 3,067,542
KLOSSOK, RUDI 3,067,665
KNISELY, DOUGLAS 3,067,844
KNOR, PAUL P. 3,067,022
KNORR, BRIAN 3,067,791
KNORR, BRIAN 3,067,793
KO, DONG HYUN 3,067,482
KO, YOON AE 3,067,794
KOBAYASHI, HIROSHI 3,067,453
KOBAYASHI, HIROSHI 3,067,455
KOBAYASHI, HIROSHI 3,067,456
KOBAYASHI, HIROSHI 3,067,458
KOEVARY, JENNIFER WATSON 3,067,558
KOHNE, JEFFREY LAWRENCE 3,067,233
KOIZUMI, NORIKO 3,067,332
KOKI HOLDINGS CO., LTD. 3,067,183
KOLB, TOBIAS 3,067,444
KOLLEP, ALEXANDRE 3,067,699
KOLLER, IZAAK 3,067,693
KOLTAY, PETER 3,067,785
KONA, PRAVEEN 3,067,432
KONDO, NAOKO 3,067,694
KONG, XUAN 3,067,928
KONING, BARTJAN 3,067,219
KONN, JONAS 3,067,492
KONN, JONAS 3,067,494
KOONA, KIRAN 3,067,348
KOPECHEK, JONATHAN 3,067,039
KOPLIN, RANDALL SCOTT 3,067,825
KORNELIUSSEN, JAN TORE 3,067,222
KOROVIN, ALEXEI 3,067,809
KORPMAN, DILLON JAMES 3,067,015
KOSCHEL, DIANA 3,067,484
KOSCHORRECK, BEATE 3,067,339
KOTENKO, SERGEI V. 3,061,864
KOTHA, VIVEK REDDY 3,067,361
KOVAC, RICKY 3,067,097
KOZLOWSKA, MAGDALENA 3,067,115
KRAFT, LEWIS J. 3,067,227
KRAGGERUD, PER GUNNAR 3,067,720
KRANZ, STEVEN E. 3,067,820
KRAUS, JOHN 3,067,729
KRIEGER, JOHANNES 3,067,493
KRISHNABABU, SENTHIL 3,066,036
KRISTENSEN, PER HERBERT 3,067,093
KRISTENSEN, PER SVERRE HOLT 3,067,093
KROGH, NICOLAS OTTO 3,067,123
KRUGLYAK, KRISTINA M. 3,067,229
KRUGLYAK, KRISTINA M. 3,067,422
KRUMBUEGEL, MARCO A. 3,067,154
KRUMSIEK, JAN 3,067,713
KRZIZAN, MATTHIAS 3,067,440
KT CORPORATION 3,067,528
KUBO, KIE 3,067,967
KUBOTA, TIMO 3,067,557
KULKARNI, ABHISHEK 3,067,211
KULKARNI, SARIKA 3,067,769
KUMAR, ASHISH 3,067,180
KUMAR, RAJESH 3,067,098
KUMAR, SANDEEP 3,067,630
KUNTZE, CHRISTOPHER 3,067,859
KURARAY CO., LTD. 3,067,000
KURARAY NORITAKE DENTAL INC. 3,067,786
KUWABARA, JUNICHI 3,067,960
KVADRAT SOFT CELLS A/S 3,067,670
KVERNELAND GROUP LES LANDES GENUSSON S.A.S 3,067,717
KVERNELAND GROUP LES LANDES GENUSSON S.A.S 3,067,722

KVERNELAND GROUP OPERATIONS NORWAY AS 3,067,720
KVERNELAND GROUP OPERATIONS NORWAY AS 3,067,798
KWON, SOON-GU 3,067,416
KYORIN PHARMACEUTICAL CO., LTD. 3,067,188
KYOTO UNIVERSITY 3,067,521
KYUNGDONG NAVIEN CO., LTD. 3,067,315
LABERGE, MICHEL GEORGES 3,067,260
LABODA, CRAIG 3,067,362
LABORATORIOS SALVAT, S.A. 3,067,657
LACROIX, ROMARIC 3,067,223
LAFORGUE, ALEXIS 3,067,108
LAHAYE, CHRISTIAAN THEODORUS 3,067,159
LAHM, ARMIN 3,066,962
LAL, ASHISH KUMAR 3,067,020
LALONDE, STEFAN 3,067,559
LAM, ANTHONY 3,067,154
LAMOUREUX, TAMMY 3,067,670
LAMPSA, JUKKA 3,067,121
LANCASTER, JORDAN J. 3,067,558
LANDMARK GRAPHICS CORPORATION 3,067,013
LANDON, DAVID ROBERT 3,067,150
LANG, JASON 3,067,083
LANG, JASON 3,067,095
LANNUTTI, BRIAN 3,067,829
LANSING, FELIX 3,066,047
LANTING, BRENT A. 3,067,282
LAPORTE, JOCELYN 3,067,497
LARREAU, BRET J. 3,067,335
LARSEN, KARE JOSTEIN 3,067,003
LARSON, DONALD K. 3,067,297
LARSSON, FREDRIK 3,067,112
LARSSON, FREDRIK 3,067,117
LARSSON, FREDRIK 3,067,121
LARSSON, FREDRIK 3,067,126
LARSSON, FREDRIK 3,067,130
LARSSON, FREDRIK 3,067,173
LARSSON, PER-GUSTAF 3,067,076
LASER POINT S.R.L. 3,067,166
LASTUSAARI, MIKA 3,067,178
LAUGHERY, THOMAS 3,067,147
LAUKKANEN, PEKKA 3,067,178
LAUX, ROLAND 3,067,465
LAVINS, NATHANIEL R. 3,067,866
LAWRENCE, ELLIOT JOHN 3,067,434
LAWRENCE, SHAWN 3,067,847
LAZAR, ADAM 3,067,370
LAZARSKI, WOJCIECH 3,067,087
LAZEROMS, ROBERT 3,067,877
LE BIHAN, GREGORY 3,067,114
LE DIMET, GWENN 3,067,937
LE, VU T. 3,067,350
LEAHY, RONAN PATRICK 3,067,866
LEBECK, ALVIN R. 3,067,362
LEBLANC, MICHEL JOSEPH 3,067,864
LEBRILLA, CARLITO B. 3,067,582
LEDDEN, DAVID 3,067,020
LEE, BAE KEUN 3,067,528
LEE, BYOUNG SE 3,067,696
LEE, CHAO-PIN 3,067,380
LEE, CHIH 3,067,419
LEE, DAVID M. 3,066,334
LEE, HO-YOUL 3,067,482
LEE, HOWARD M. 3,067,232
LEE, JAE-KEUN 3,067,416
LEE, JIN KWANG 3,067,794
LEE, JONG MIN 3,067,836
LEE, JOON HO 3,067,790
LEE, JU HYUN 3,067,482
LEE, JUNG JOON 3,067,525
LEE, JUNG-MIN 3,067,316
LEE, KEUNHO 3,067,482
LEE, KYO CHUL 3,067,696
LEE, KYU JUN 3,067,316
LEE, LIP KIONG 3,066,891
LEE, SOO BUM 3,067,886
LEE, TAE SEOK 3,067,794
LEE, YONG JIN 3,067,696
LEE, YOUNG WOO 3,067,825
LEFEVRE, PHILIPPE 3,067,114
LEGIC IDENTSYSTEMS AG 3,067,504
LEGROS, ANNA 3,067,287
LEHNER, STEFAN JOHANNES 3,067,918
LEI, JING 3,067,033
LEICA BIOSYSTEMS NUSSLOCH GMBH 3,067,511
LEICA BIOSYSTEMS NUSSLOCH GMBH 3,067,518
LEIFELD, FERDINAND 3,066,949
LELY PATENT N.V. 3,067,331
LELY PATENT N.V. 3,067,707
LEMAIRE, ROMAIN LOUIS GILLES 3,067,313
LEMARCHAND, CAROLINE 3,067,723
LENDINEZ GRIS, MARIA DEL CARMEN 3,067,657
LEONARD, LAURA E. 3,067,826
LEONG, PAUL 3,067,667
LEPORE, LAURA 3,067,676
LEROSE, FRANK J. 3,066,334
LETS JOIN IN (HOLDINGS) PTY LTD 3,067,190
LETZT, ALAN 3,068,019
LETZT, STEPHANIE 3,068,019
LEUSINK, FRED RONALD 3,067,219
LEVCHAK, MICHAEL J. 3,067,809
LEVITSKY, HYAM I. 3,067,602
LEVY, ALISON 3,067,597
LEWIS, JASON 3,067,351
LEWIS, JOE 3,067,070
LEWIS, JOE 3,067,075
LEWIS, JOE 3,067,080
LEWIS, JOE DAVID 3,067,086
LEWIS, RONALD D. 3,067,219
LG ELECTRONICS INC. 3,067,186
LI, BOREN 3,066,824
LI, DAN JUN 3,067,211
LI, DONGFANG 3,067,007
LI, HAO 3,067,953
LI, JI 3,067,036
LI, JIAN 3,067,724
LI, JIAN 3,067,941
LI, JINAN 3,067,890
LI, JUNCHAO 3,067,281
LI, LIXIN 3,067,268
LI, PING 3,066,819
LI, RONG 3,067,751
LI, SHAOYI 3,067,585
LI, WENFEI 3,066,824
LI, XUERU 3,067,273
LI, YONG 3,067,419
LI, YUANPENG 3,067,483
LI, YUEMING 3,067,652
LI, YUNGOK 3,067,089
LIANG, DONG 3,067,655
LIANG, MIN 3,067,217
LIANG, TIEZHU 3,067,483
LIBERTY GLOBAL EUROPE HOLDING B.V. 3,067,087
LIDDY, NATHANIEL 3,067,163
LIFE SCIENCE INSTITUTE, INC. 3,067,784
LIM, LEONG CHEW 3,067,196
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SKOFF, ISRAEL 3,061,052
SKORINA, TAISIYA 3,067,415
SLACK, MAURICE WILLIAM 3,067,901
SLIPKO, ROMAN 3,067,087
SLIZ, JOSIAH 3,067,384
SLOAN, CHARLIE BERT, IV 3,067,157
SMALL, MARK 3,067,743
SMETS, BARTHOLOMEUS FRANCISCUS 3,067,313
SMILEYSCOPE PTY. LTD. 3,067,667
SMITH, ALEXANDER 3,067,873
SMITH, CLAYTON 3,067,677
SMITH, GAVIN 3,067,640
SMITH, PATRICK W. 3,067,011
SMITH, RANDALL 3,067,249
SMITH, RANDALL 3,067,434
SMOUM, REEM 3,067,512
SNOWSHOEFOOD INC. 3,067,600
SNYDER, SOLOMON H. 3,067,045
SO, ALEX S. 3,067,422
SOBOLEWSKI, KATHERINE D. 3,067,350
SOBOLEWSKI, UWE 3,067,473
SOBOLEWSKI, UWE 3,067,703
SOBOLEWSKI, UWE 3,067,762
SOCIETE DES PRODUITS NESTLE S.A. 3,067,272
SOCIETE DES PRODUITS NESTLE S.A. 3,067,699
SOFTBOX MADEIRA UNIPESSOAL, LDA 3,067,101
SOFTHALE NV 3,067,131
SOFTHALE NV 3,067,134
SOLEX THERMAL SCIENCE INC. 3,066,818
SOLIMAN, AHMED 3,067,356
SOLIMAN, TAMER 3,067,880
SOMANI, APURVA 3,067,343
SOMANI, APURVA 3,067,365
SONATI, TIZIANA 3,067,747
SONDEX WIRELINE LIMITED 3,067,838
SONDEX WIRELINE LIMITED 3,067,908
SONG, DONG WOO 3,067,316
SONG, SHUAIBING 3,062,555
SONITOR TECHNOLOGIES AS 3,067,142
SOPA, JEFFREY 3,067,040
SOPER, JOHN G. 3,067,448
SORAZU ECHAVE, JOSE MANUEL 3,067,298
SORBONNE UNIVERSITE 3,067,551
SORBONNE UNIVERSITE 3,067,619
SOROS, VANESSA 3,067,851
SORRENTO THERAPEUTICS, INC. 3,067,311
SORSE TECHNOLOGY CORPORATION 3,067,232
SORVIK, BENGT 3,067,359
SOURDIVE, DAVID 3,067,914
SOUTHMEDIC INCORPORATED 3,067,059
SOUZA, FABIO E. S. 3,067,271
SPEAR, ISAAC JOHN 3,067,896
SPECTRUM BRANDS, INC. 3,067,098
SPEED FRANCE SAS 3,067,317
SPELIER, KURT 3,067,145
SPENCE, GRAHAM ROBERT PYE-SMITH 3,067,682
SPENCER, H. TRENT 3,067,244
SPETH, CHRISTIAN HENRIK 3,067,780
SPIES, OLIVER 3,067,437
SPINILLO, CHRISTIAN 3,067,599
SPIVEY, MICHAEL A. 3,067,996
SPOHN, MICHAEL 3,067,624
SPOHN, MICHAEL 3,067,625
SPOHN, MICHAEL 3,067,740
SPOONER, JULIAN 3,067,779
SRINIVASAN, NAGARAJ 3,067,013
ST-GALLAY, STEPHEN 3,067,410
ST. TERESA MEDICAL, INC. 3,067,583
STAAL, MAARTEN 3,067,649
STACEY, MICHAEL 3,067,064
STACK MOLD PLUS UG 3,067,645
STAERK, LARS E. 3,067,093
STAMM, RETO 3,067,993
STANCZYK, LUKASZ 3,067,115
STANDARD CAR TRUCK COMPANY 3,067,051
STAPLETON, MEHDI PATRICK 3,066,502
STARBUCK, BRIAN 3,067,556
STARBUCKS CORPORATION 3,067,693
STARK, MARCUS 3,067,918
STARR, AMANDA ELIZABETH 3,067,062
STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD. 3,066,824
STAUFT, DANIEL B. 3,067,748
STAYSHICH, RYAN 3,067,892
STEEMERS, FRANK J. 3,067,048
STEEMERS, FRANK J. 3,067,181
STEEMERS, FRANK J. 3,067,435
STEFAN, HELNERUS 3,067,438
STEHMAN, JONATHAN PEARCE 3,067,853
STEIMLE, MICHAEL A. 3,067,470
STEINHILBER, DIETER 3,067,069
STEINMETZER, KATRIN 3,067,125
STELMA, TJALLING 3,067,774
STENROTH, ANDREAS 3,067,092
STEWART, CAMERON 3,067,263
STEWART, JESSE EDWARD 3,067,600
STEWART, KEVIN M. 3,067,150
STEWART, SCOTT JAMES 3,067,866
STIERLI, DANIEL 3,067,309
STILWELL, CHARLES MITCHELL 3,067,136
STINTZI, ALAIN CHRISTOPHE 3,067,062
STIVALA, CRAIG 3,067,944
STOLLER ENTERPRISES, INC. 3,067,234
STOLLER, JERRY (DECEASED) 3,067,234
STORLI, PER EVEN 3,067,261
STORVIK, KJELL 3,067,003
STRAND, CHRISTIAN 3,067,099
STRAUSS, VOLKER 3,067,725
STRBAC, MATIJA 3,067,705
STREM, GRANT D. 3,067,066
STROETMANN, ANDREAS 3,067,077
STRONG, ERIK 3,067,861
STROUP, ERIC 3,067,485
STRUPP, MICHAEL 3,067,321
STUBA, ROBERT 3,067,620
STULENS, PETER 3,067,337
SUBCOAL INTERNATIONAL B.V. 3,067,755
SUESS, BEATRIX 3,067,069
SUEZ GROUPE 3,067,907
SUGAR CREEK PACKING CO. 3,067,748
SUGAWARA, YASUO 3,067,783
SUGIMOTO, SOHTA 3,067,526
SUH, DONG SAM 3,067,790
SUI, JINPING 3,050,972
SULPHUR, TERRY 3,067,731
SUMMERS, MICHAEL 3,067,993
SUMPF, TILMAN JOHANNES 3,067,883
SUN, DEXUE 3,067,211
SUN, HUIKAI 3,067,032
SUN, JING 3,067,033
SUN, JING 3,067,149
SUN, THOMAS W. 3,068,005
SUN, XUFENG 3,067,873
SUN, YINGHUA 3,067,154
SUNDELIN, ANDERS 3,067,288
SUNFIRE GMBH 3,067,060
SUNFIRE GMBH 3,067,061
SUNFIRE GMBH 3,067,090
SUNOUCHI, TAKAAKI 3,067,188
SUNRISE R&D HOLDINGS, LLC 3,067,220
SURI, VIPIN 3,067,211
SURWADE, SUMEDH P. 3,067,358
SURYA, ARJUN 3,067,257
SUSNJARA, KENNETH J. 3,067,990
SUTHERLAND, STEPHEN 3,067,650
SUZUKI, YASUHIRO 3,067,958
SUZUKI, YASUHIRO 3,067,960
SUZUKI-NISHIJIMA, MAYA 3,067,351
SWAIN, JILLIAN MARLENE 3,067,064
SWANHART, MACKENZIE LEE 3,067,866
SWARUP, SHANTI 3,067,811

SWECH, CHRISTOPHER 3,061,052
SWELLFIX UK LIMITED 3,067,256
SWERYDA-KRAWIEC, BEATA 3,067,457
SWIMC LLC 3,067,477
SWINYARD, DOUGLAS CRAIG 3,067,296
SWIRLDS, INC. 3,066,903
SWIRSKI, MATEUSZ 3,067,765
SYDDANSK UNIVERSITET 3,067,542
SYDORENKO, NADIYA 3,067,591
SYNGENTA PARTICIPATIONS AG 3,067,309
SYROS PHARMACEUTICALS, INC. 3,067,023
SYZYGY PLASMONICS INC. 3,067,806
SYZYGY PLASMONICS INC. 3,067,808
SZEREDI, GEZA 3,067,190
SZEREMETA-SPISAK, JOANNA 3,067,765
TABUCHI, ASAKO 3,067,188
TACHAS, GEORGE 3,067,193
TAGAMI, TORU 3,067,198
TAGAMI, TORU 3,067,202
TAGAMI, TORU 3,067,204
TAGAMI, TORU 3,067,205
TAGLIABUE, JACOPO 3,067,789
TAHENY, SEAN 3,067,194
TAHERI, SHAHAB 3,067,740
TAIPEI MEDICAL UNIVERSITY 3,067,294
TAKAHASHI, TSUKASA 3,067,184
TAKAKURA, TSUYOSHI 3,067,783
TAKAKURA, TSUYOSHI 3,067,979
TAKECHI, HIROKI 3,067,179
TAKEDA PHARMACEUTICAL COMPANY LIMITED 3,067,032
TAKEDA, KAZUAKI 3,067,322
TALENGEN INTERNATIONAL LIMITED 3,067,890
TALIANSKI, MIKHAIL EMMANUILOVICH 3,067,450
TALWAR, HRISHI 3,067,821
TAM, JOSEPH 3,067,512
TAMBURINI, PAUL P. 3,067,247
TAN, CHRISTINE 3,067,835
TAN, CUN 3,067,336
TANAKA KOJI 3,067,521
TANAKA, HIROSHI 3,067,694
TANASE, CRISTINA 3,067,763
TANG, HAI 3,066,646
TANG, HAI 3,066,821
TANG, HAI 3,067,072
TANG, HAI 3,067,074
TANG, HAI 3,067,270
TANG, HAI 3,067,468
TANG, HAI 3,067,481
TANG, HAO 3,067,281
TANG, XIAOYONG 3,067,081
TANG, XILING 3,067,046
TANG, ZHENFEI 3,067,281
TANGEMAN, JEAN A. 3,067,415
TANIOKA, SAYOKO 3,067,188
TAO, ZHENG 3,066,824
TARASOW, THEODORE MICHAEL 3,067,828
TAREK, MOHAMED 3,067,368
TARVEDA THERAPEUTICS, INC. 3,067,454
TARVEDA THERAPEUTICS, INC. 3,067,457
TASCHE, MICHAEL 3,067,473
TASCHE, MICHAEL 3,067,703
TASCHE, MICHAEL 3,067,762
TATA STEEL IJMUIDEN B.V. 3,067,159
TATTERSFIELD, ANDREW JOHN ROY 3,067,866
TAVALLAEI, MOHAMMAD ALI 3,067,282
TAYLOR, JAY 3,067,184
TAYLOR, JAY 3,067,426
TEAM INDUSTRIES, INC. 3,067,396
TEBER, EROL 3,067,753
TEBOULLE, HENRI 3,067,467
TECHNIP FRANCE 3,067,441
TECHNISCHE UNIVERSITAT DRESDEN 3,066,047
TECHNISCHE UNIVERSITAT DRESDEN 3,067,713
TEETER, MATTHEW G. 3,067,282
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,067,307
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,067,701
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,067,879
TELESTACK LIMITED 3,067,669
TENEA, ALINA RUXANDRA 3,067,593
TENEOBIO, INC. 3,067,584
TENEX TECHNOLOGIES, LLC 3,067,368
TENNANT, SHARON 3,067,587
TENNESSEN, PETER THOMAS 3,067,843
TEO, YIN NAH 3,067,433
TERANISHI, TAKUYA 3,067,183
TERRY, WARREN 3,067,825
TESSIER, SYLVIO 3,067,670
THANEDAR, SHRI 3,067,644
THAPA, ANUP 3,067,343
THAPA, ANUP 3,067,365
THE AIRCRAFT PERFORMANCE COMPANY GMBH 3,067,286
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,067,539
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,067,146
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,068,005
THE DOSHISHA 3,067,332
THE EXONE COMPANY 3,067,022
THE HOSPITAL FOR SICK CHILDREN 3,067,459
THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL 3,067,773
THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL 3,067,777
THE JACKSON LABORATORY 3,067,549
THE JAMES HUTTON INSTITUTE 3,067,450
THE JOHNS HOPKINS UNIVERSITY 3,067,045
THE MEDICAL COLLEGE OF WISCONSIN, INC. 3,067,634
THE MEDICAL COLLEGE OF WISCONSIN, INC. 3,067,635
THE MEDICAL COLLEGE OF WISCONSIN, INC. 3,067,637
THE PROCTER & GAMBLE COMPANY 3,067,882
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,067,382
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,067,582
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,067,746
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,067,871
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,068,000
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,068,008
THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK 3,067,824
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK 3,067,597
THE UNIVERSITY OF BRITISH COLUMBIA 3,067,269
THEIL, PERRINE 3,067,711
THEIS, FABIAN 3,067,713
THERMWOOD CORPORATION 3,067,990
THERRIEN, JASON EDWARD 3,067,864
THIER, MARC 3,067,447
THOM, STEPHEN 3,067,410
THOMAS, REE WORLEY 3,067,600
THOMASSON, DAMIEN 3,067,255
THOMPSON, ANGELA 3,067,360
THOMPSON, MATTHEW T. 3,067,383
THOMPSON, PAUL MICHAEL 3,067,071
THOMPSON, RONALD H. 3,067,053
THORNE, ERIC 3,067,993
THORPE, MATTHEW RAMSEY 3,067,256
THU, HAN MIN 3,067,740
THYSSENKRUPP INDUSTRIAL SOLUTIONS AG 3,067,749
TIAN, CHENMIN 3,067,953
TIAN, JUN 3,067,036
TIAN, SHENCHI 3,067,375

TICKNER, JAMES 3,067,628
TIIHONEN, MARIKA 3,067,491
TOBIS, IDAN 3,067,813
TOEFX INC. 3,067,761
TOHOKU UNIVERSITY 3,067,784
TOMAZETICH, MARIO GERARD 3,067,187
TOMIOKA, NOBUYUKI 3,067,532
TONCELLI, DARIO 3,067,505
TOOLGEN INCORPORATED 3,067,316
TOOSO INC. 3,067,789
TORAY INDUSTRIES, INC. 3,067,532
TORQUATO, SALVATORE 3,067,386
TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION 3,067,967
TOTAL RAFFINAGE CHIMIE 3,067,749
TOUKONIITTY, BLANKA 3,067,949
TOWLER, GAVIN P. 3,067,826
TOYSERKANI, KASRA 3,067,390
TRAAS, ANNE MICHELLE 3,067,918
TRAMA, FRANCESCO 3,067,201
TRAN, DUC THANH 3,067,340
TRANSGENE SA 3,067,405
TRANSITIONS OPTICAL, LTD. 3,067,892
TRANT, TROY E. 3,068,002
TREMBLAY, MARCO 3,067,907
TREMBLY, JASON PATRICK 3,067,639
TRINKLEIN, NATHAN 3,067,584
TRITZ, FRANZ-JOSEF 3,067,445
TRODAHL, HARRY JOSEPH 3,067,768
TROMBETTONI, ROBERTO 3,067,775
TROUW NUTRITION USA LLC 3,067,530
TRUMP, TOBIAS 3,067,518
TRUMPP, ANDREAS 3,067,447
TSCHAMMER, NUSKA 3,067,917
TSEITIN, BORIS 3,067,880
TSUJI, MASAHIRO 3,067,784
TSUJII YOSHINOBU 3,067,521
TSUKAMOTO, YUKINORI 3,067,176
TTI (MACAO COMMERCIAL OFFSHORE) LIMITED 3,067,643
TUBE-LINE MANUFACTURING LTD. 3,056,053
TUDOR, MIRCEA 3,067,869
TURMEL, FREDERIC 3,067,700
TURTINEN, SAMULI 3,067,472
TURUN YLIOPISTO 3,067,178
TWARDOWSKA, HELENA 3,067,161
UBIDIA, FERNANDO 3,067,823
UBIQD INC. 3,067,353
UCB BIOPHARMA SRL 3,067,496
ULISSE BIOMED S.P.A 3,067,868
ULISSE BIOMED S.P.A 3,067,876
ULLRICH, NORBERT 3,067,749
ULUDAG, HASAN 3,067,452
UMICORE AG & CO. KG 3,067,726
UMICORE AG & CO. KG 3,067,729
UNEME, TETSUSHI 3,067,526
UNIFORMITY LABS, INC. 3,067,386
UNITED NEUROSCIENCE 3,067,231
UNIVERSITAET ZUERICH PROREKTORAT MNW 3,067,747
UNIVERSITE DE BRETAGNE OCCIDENTALE (UBO) 3,067,559
UNIVERSITE DE HAUTE ALSACE 3,067,711
UNIVERSITE DE LAUSANNE 3,067,910
UNIVERSITE DE LILLE 3,067,294
UNIVERSITE DE STRASBOURG 3,067,497
UNIVERSITE DU LITTORAL COTE D'OPALE 3,067,294
UNIVERSITE DU LITTORAL COTE D'OPALE 3,067,684
UNIVERSITE LAVAL 3,067,363
UNIVERSITE PARIS-EST-CRETEIL VAL DE MARNE 3,067,551
UNIVERSITY OF GUELPH 3,067,512
UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION 3,067,039
UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC. 3,067,356
UNIVERSITY OF MARYLAND, BALTIMORE 3,067,587
UNIVERSITY OF MASSACHUSETTS 3,067,356
UNIVERSITY OF OTTAWA 3,067,062
UNIVERSITY OF TEXAS MEDICAL BRANCH 3,067,164
UNIVERSITY OF WASHINGTON 3,067,435
UNIVERSITY OF WESTERN AUSTRALIA 3,067,064
UOP LLC 3,067,826
UOP LLC 3,067,996
UPADHYAY, SUDHIR 3,067,427
UPL LTD 3,066,577
UPL LTD 3,066,579
UPL LTD 3,067,683
URBAN MINING PTY LTD 3,066,938
UREKA SARL 3,067,674
URSCHEL LABORATORIES, INC. 3,067,627
USHER, JOSHUA 3,067,998
USHIJIMA, DAISUKE 3,067,182
USOUND GMBH 3,067,533
UTTENTHAL, LARS OTTO 3,067,911
VADDER, DAVEY 3,067,709
VAES, DRIES 3,067,882
VAKA, SIVA RAM KIRAN 3,061,382
VALDES ABRAMO, JUAN PABLO 3,067,328
VALEMBOIS, GUY 3,067,034
VALENCIA-SERNA, JULIANA 3,067,452
VALENTINO, HENRY, III 3,067,833
VALLIER, LUDOVIC 3,067,759
VALLIERES, LUC 3,067,363
VAN DE CASTEELE, STEFAAN 3,067,145
VAN DE MEERENDONK, ROBERTUS CAROLUS MARIA 3,067,331
VAN DER PLOEG, ANTJE TJITSKE 3,067,333
VAN DER WAL, ERIK 3,067,333
VAN DORP, MICHIEL ADRIAAN 3,067,707
VAN GIJSSEL, JORN ALBERT 3,067,423
VAN HECKE, EVELYNE JOHANNA LUTGARDE 3,067,882
VAN HINSBERGH, GREGORY 3,067,517
VAN HINSBERGH, GREGORY 3,067,520
VAN HINSBERGH, GREGORY 3,067,522
VAN HOEVEN, NEAL 3,067,224
VAN OVERBEEK, THOMAS THEODORUS ARNOLDUS 3,067,774
VAN SCHIJNDEL, JACK A.M. 3,067,877
VAN SCHOOTEN, WIM 3,067,584
VAN SIGHEM, JOHANNES PAUL 3,067,774
VAN WILTENBURG, JIMMY 3,067,410
VAN-HAM, IRIT ITZHAKI 3,067,761
VANCOUVER COMPUTER VISION LTD. 3,066,502
VANDENWORM, NICOLAAS JOHANNES 3,067,767
VANDERBILT UNIVERSITY 3,068,008
VANDERVEEN, TIMOTHY W. 3,067,357
VANGSGAARD, ANNA KATRINE 3,067,313
VARD ELECTRO AS 3,067,277
VARD GROUP AS 3,067,093
VARGAS MONTIEL, KAREN IRAIS 3,067,328
VARIDEL, THIERRY 3,067,451
VARMA, RAJAT 3,067,603
VARTANIAN, SHANT 3,068,000
VASADA, CHIRAG 3,067,045
VASANTHAKUMAR, ARTHITHIYAN 3,067,506
VAZQUEZ MANRIQUE, RAFAEL 3,067,737
VAZQUEZ RAMIREZ, JOSE ALBERTO 3,067,328
VECTURA DELIVERY DEVICES LIMITED 3,067,444
VEDY, BERTRAND 3,067,191
VEERAMALLU, SUBRAHMANYA MANIKANTA 3,067,432
VEGEPLAST 3,067,412
VELOSBIO INC. 3,067,829
VENIN, CLAIRE 3,067,674
VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT 3,067,103
VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT 3,067,313
VERCAUTEREN, FRANKY FLORY 3,067,002
VERKAAIK, JULIAN 3,067,429
VERVAEKE, STEVEN 3,067,756
VERVAEKE-BELAVI 3,067,756
VESELOVSKY, VLADIMIR 3,067,010
VESTAS WIND SYSTEMS A/S 3,066,931
VESTERLING, KARI 3,066,823
VETERINARY DIAGNOSTICS INSTITUTE, INC. 3,067,372

VICTORIA LINK LIMITED 3,067,768
VIECELI, JOHN S. 3,067,421
VIIV HEALTHCARE COMPANY 3,067,147
VISCOGLIOSI, SEBASTIEN FREDERIC 3,067,899
VISHAY ELECTRONIC GMBH 3,067,402
VIVIANA LONDON LIMITED 3,067,129
VIVIER CANADA INC. 3,067,905
VIVIER, GHISLAIN 3,067,905
VLAHOVA, PETINKA I. 3,067,873
VO, THANH-TRANG 3,067,829
VODNALA, SRIHARI 3,067,432
VODVARKA, BRIAN LLOYD 3,067,098
VOGEL, MARK A. 3,067,818
VOLKAR, JOHN 3,067,318
VON RAUMER, MARKUS 3,067,489
VONWALD, IAN 3,067,644
VOORSLUYS, MARIO HENRIQUE 3,067,707
VORA, MEET 3,067,304
VOSS, LAWRENCE J. 3,067,022
VRAKAS, STEPHANIE CHRISTINA 3,067,853
VUPPU, PRAPULLA 3,067,348
WADKINS, PATRICK 3,067,861
WAFFNER, JURGEN 3,067,438
WAGNER, CLAUDIA 3,067,757
WAGSTAFF, INC. 3,067,900
WALDBERG, MARIA 3,067,141
WALDBERG, SEMION 3,067,141
WALENSKY, LOREN D. 3,067,047
WALKER, DAVID BRUCE 3,067,618
WALLACE, TIM 3,067,215
WALSER, DANIEL 3,067,191
WALSER, DANIEL 3,067,411
WALSER, DANIEL 3,067,565
WALSH, JOSEPH C. 3,067,228
WALTER, MORIZ 3,067,613
WALTERS, ROBERT W. 3,067,892
WAN, TIFFANY ASHLEY 3,067,427
WANG YUTING 3,067,702
WANG, CHANG YI 3,067,231
WANG, CHUNBAO 3,050,972
WANG, CLIFFORD LEE 3,067,251
WANG, DAMING 3,067,814
WANG, ERIK 3,066,823
WANG, FAN 3,067,281
WANG, HANYU 3,067,078
WANG, JINGYI 3,067,066
WANG, XIAOJIANG 3,067,644
WANG, XIAOSHENG 3,067,651
WANG, YUXIN 3,067,089
WANG, ZHENXIANG 3,066,824
WASHINGTON UNIVERSITY 3,067,164
WASSMANN, CLAES SONDERGAARD 3,067,542
WATKINS, JEFFRY DEAN 3,067,829
WATLOW ELECTRIC MANUFACTURING COMPANY 3,067,216
WATTS, GARY 3,067,029
WEBB, THOMAS 3,067,097
WEDDLE, AMAYA BECVAR 3,067,548
WEEBER, HENDRIK A. 3,067,100
WEEBER, HENDRIK A. 3,067,116
WEI, WIN-YIN 3,067,380
WEI, XIN 3,067,687
WEICKERT, GUNTER 3,067,744
WEIDHAAS, JOANNE 3,067,366
WEINER, ADAM M. 3,067,071
WEIS, MATTHEW J. 3,067,233
WEISSBIOTECH GMBH 3,066,575
WEISZ, GIORA 3,067,813
WEISZ, TAMAS AGOSTON 3,067,011
WELBORN, MATTHEW G. 3,067,820
WELLER, ARON 3,067,512
WELLS, BEN H. 3,067,738
WELLS, BEN H. 3,067,742
WELLS, MARIA NOEL BROWN 3,067,825
WERNER, SANDRA 3,067,031
WESCO EQUITY CORPORATION 3,067,589
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PRACEK, ANTHONY 3,060,899
PRAIRIE PHARMS, LLC 3,061,144
PRINCE, SIMON 3,061,237
PROGRESS PROFILES SPA 3,061,778
PUCYLOWSKI, SHAWN MICHAEL 3,060,922
RABINOVICH, GABRIEL 3,061,784
RADIUS CO., LTD. 3,065,055
REILLY, GERARD M. 3,062,128
ROBINSON, TIMOTHY G. 3,062,217
RODEL, EVA 3,061,802
RODIG, SCOTT J. 3,061,784
ROHLFSEN, WILLIAM G. 3,061,144
ROMAN, DINO L. 3,061,569
ROVI GUIDES, INC. 3,061,391
ROVI GUIDES, INC. 3,061,817
RUMMEL, ANDREAS 3,062,150
RUSCHE, JAMES R. 3,061,239
RUSSO, DIEGO OMAR CROCI 3,061,784
SADE, HAGIT 3,060,976
SALATINO, MARIANA 3,061,784
SANDMANN, CHRISTIAN 3,061,665
SARD, HOWARD P. 3,062,003
SARGENT, EDWARD H. 3,061,443
SARTO, ANGELO A. 3,062,217
SCHAUT, ROBERT ANTHNOY 3,061,515
SCHAUT, ROBERT ANTHONY 3,061,514
SCHAUT, ROBERT ANTHONY 3,061,517
SCHULTZ, PETER G. 3,061,937
SEARLE, GARY 3,062,048
SEATTLE GENETICS, INC. 3,062,320
SELBY, RYAN 3,062,091
SENTER, PETER D. 3,062,320
SHAK, STEVEN 3,061,769
SHAK, STEVEN 3,061,785
SHARMA, SRIRAM 3,061,385
SHARONOV, ALEXEY Y. 3,060,930
SHARONOV, ALEXY Y. 3,062,190
SHELDRAKE, COLIN DAVID 3,062,055
SHIPP, MARGARET A. 3,061,784
SHULMAN, INNA 3,061,802
SIEMENS INDUSTRY, INC 3,061,116
SIGAL, GEORGE 3,060,913
SILVOLA, DAIN 3,061,930
SINGH, JASBIR 3,061,239
SIPOS, LASZLO 3,061,795
SLIWKOWSKI, MARK X. 3,062,320
SMITH, CARL KEITH 3,061,085
SNAP-ON INCORPORATED 3,061,598
SNOW, MICHAEL 3,061,664
SOCIETE DES PRODUITS NESTLE S.A. 3,061,401
SOLIMAN, TARIK M. 3,062,003
SOMOS, INC. 3,061,385
SONY COMPUTER ENTERTAINMENT INC. 3,062,059
SOSNOWSKI, ROBERT 3,060,904
SPECIALE, MARC J. 3,061,800
SPENCER, SUSAN D. 3,062,320
SPORTWELDING GMBH 3,060,970
SPORTWELDING GMBH 3,061,216
SQUIERS, GRANT T. 3,061,390
STAFFORD, THOMAS I. 3,061,859
STASKO, NATHAN 3,062,005
STAYLOR, SCOTT 3,061,522
STEVENS, CARL 3,060,913
SYMETIS SA 3,061,117
TAKEYAMA, KUNIHIKO 3,061,784
TALEBI, VARGHA 3,062,126
TAMIR BIOTECHNOLOGY, INC. 3,061,666
TANAKA, JUNICHI 3,063,234
TANG, JIANG 3,061,443
TANNEN, ROBERT 3,061,665
TAYLOR, JON 3,060,814
TELLEW, JOHN 3,061,937
THE BOEING COMPANY 3,061,569
THE BOEING COMPANY 3,061,723
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 3,061,784
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,061,443
THE SCRIPPS RESEARCH INSTITUTE 3,061,937
THOMAS, MATT 3,061,665
THOMPSON, STANLEY O. 3,060,814
TIMMONS, CHRISTOPHER LEE 3,061,514
TIMMONS, CHRISTOPHER LEE 3,061,515
TIMMONS, CHRISTOPHER LEE 3,061,517
TIMMONS, RICHARD 3,061,223
TITUS, SOLOMON R. 3,061,116
TIWARI, NEIL 3,062,217
TOKI, BRIAN E. 3,062,320
TRACEY, BRIAN 3,061,102
TRAINER, NICHOLAS P., JR. 3,061,859
TRAVISANO, PHILIP 3,060,976
TREMBLAY, SIMON 3,060,808
TSAI, TUNGMENG 3,061,099
TULLIS, RICHARD H. 3,061,952
TURPAULT, MATHIEU 3,061,665
UNIVERSITY OF MIAMI 3,060,821
URMAN, ROY 3,061,059
VALLOTTON, PAUL-HENRI 3,062,187
VALOYA OY 3,062,755
VAN LIERDE, CARL 3,062,187
VASSBERG, JOHN C. 3,061,569
VEERMAN, JOOST ANNE 3,061,803
VEGTER, CHRISTOPHER A. 3,061,569
VELADA, JOSE 3,061,421
VELOS MEDIA INTERNATIONAL LIMITED 3,063,234
VENITAS RESEARCH CENTER, LLC 3,063,495
VENKATARAMAN, NATESAN 3,061,514
VENKATARAMAN, NATESAN 3,061,515
VENKATARAMAN, NATESAN 3,061,517
VERKLEEREN, RONALD LUCE 3,061,514
VERKLEEREN, RONALD LUCE 3,061,515
VERKLEEREN, RONALD LUCE 3,061,517
VIJYAN, KANDASWAMY 3,062,190
VIRDIA, INC. 3,060,976
VOCK, MICHAEL 3,060,913
WADIA, JEHANGIR 3,062,786
WAN, YONGQIN 3,061,937
WANG, XIHUA 3,061,443
WANG, XING 3,061,937
WASSMANN, PAUL 3,061,557
WATSON, SUSAN R. 3,061,719
WELLINGS, ANDERS J. 3,062,217
WENGER, ANDREAS 3,060,970
WENGER, ANDREAS 3,061,216
WEST, SHARON 3,060,913
WHITE, MARK LESLIE 3,061,719
WHITE, MATTHEW R. 3,062,234
WIEBENSON, DEREK 3,062,217
WILKERSON, DOUGLAS L. 3,062,217
WILLIAMSON, ROBERT ANTHONY 3,062,786
WILT, MICHAEL J. 3,061,102
WINN, JOSEPH 3,061,930
WITT, ERIK K. 3,061,665
WONG, CATHERINE A. 3,061,601
WORFOLK, PETER 3,060,899
XIAO, MING 3,062,190
XOMA (US) LLC 3,061,719
YOHANAN, ZIV 3,063,658
YONG, XIAO 3,061,101
YUAN, JIE JENNY 3,061,670
ZHANG, YI 3,061,136
ZHANG, YI 3,061,138
ZHANG, YI 3,061,139
ZHANG, YI 3,061,225
ZHANG, YI 3,061,229
ZHAO, BIN 3,060,899
ZHOU, NING 3,060,899
ZIMERI, JEANNY E. 3,060,899
ZUCK, JAMES C. 3,061,114
ZUNDEL, HANNAH 3,061,247
ZVIELY, MICHAEL 3,060,976
ZWIERS, HENK JAN 3,061,803