Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 147 No. 52 December 24, 2019 Vol. 147 No. 52 le 24 décembre 2019

Canada

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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

3,026,541

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 :

3,026,541

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

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

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

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

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

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

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des établissements ou des

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

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

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

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

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

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Marques de commerce

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

accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- registration of a trademark application;

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- l'enregistrement d'une marque de commerce

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

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

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

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

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

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℠, ou par Xpresspost℠ 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.

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.

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

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.

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.

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.

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. 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

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

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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 December 24, 2019 contains applications open to public inspection from December 8, 2019 to December 14, 2019.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 24 décembre 2019 contient les demandes disponibles au public pour consultation pour la période du 8 décembre 2019 au 14 décembre 2019.

Canadian Patents Issued

December 24, 2019

Brevets canadiens délivrés

24 décembre 2019

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[54] **ANTICORPS DIRIGES CONTRE LES MUTANTS DE DELETION DU RECEPTEUR DU FACTEUR DE CROISSANCE EPIDERMIQUE ET UTILISATIONS CORRESPONDANTES**
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[54] **SYSTEME DE COMMUNICATION MOBILE, METHODE DE COMMANDE DE TRANSFERT, STATION RADIO FIXE, ET STATION MOBILE**
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[54] **METHODS AND COMBINATIONS OF PROBES TO CHROMOSOMAL REGIONS FOR DETECTING MELANOMA**
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[72] ROBINSON, RONNIE J., US
[72] FANNING, MARK JOSEPH, US
[72] PHILIPAK, STANLEY MICHAEL, US
[72] REMES, RICHARD SCOTT, US
[72] BISHOP, JAMES CLEMENT, US
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[72] TOMLINSON, HAROLD WOODRUFF, JR., US
[72] VISNEVSKI, NIKITA, US
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[54] **SYSTEME DE PINCES THERMIQUES ET APPAREIL POUR UN MUR DE CONSTRUCTION**
[72] KUBASSEK, JOHN DAVID, CA
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[54] **ANTAGONISTES DE LA NEUREGULINE ET LEUR UTILISATION DANS LE CADRE DU TRAITEMENT DU CANCER**
[72] JACKSON, ERICA, US
[72] SWEET-CORDERO, ERIC ALEJANDRO, US
[73] GENENTECH, INC.,
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[54] **SYSTEME ET PROCEDE POUR AVERTIR UN UTILISATEUR SUR UN DISPOSITIF EXTERNE DE NOTIFICATIONS OU D'ALERTES PROVENANT D'UN DISPOSITIF CONNECTE A UN RESEAU**
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[72] SNIDER, CORY D., CA
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[72] BURGARD, ANTHONY P., US
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[72] PHARKYA, PRITI, US
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[54] **ENSEMBLE DE BROYEUR DE PILULES ET PROCEDES**
[72] PRIEBE, ROBERT N., US
[72] NOBLE, TERRANCE O., US
[73] APOTHECARY PRODUCTS, INC.,
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[72] LEDFORD, RICKY L., US
[72] CHOUDHARY, SACHIN, KUMAR, IN
[72] PATOROS, LORI LYNETTE, US
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[54] **COMPOSITIONS DE RESINE RECYCLEE ET DISPOSITIFS MEDICAUX JETABLES FABRIQUES A PARTIR DE CELLES-CI**
[72] KULSHRESTHA, ANKUR S., US
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[72] BOUDREAUX, CHAD P., US
[72] CONLON, SEAN P., US
[72] KNIGHT, GARY W., US
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[54] **DISPOSITIF DE TRAITEMENT D'IMAGE ET METHODE DE TRAITEMENT D'IMAGE SERVANT APPLIQUER LA DETERMINATION DE FILTRAGE TRAITE EN PARALLELE**
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[72] TANAKA, JUNICHI, JP
[72] MORIGAMI, YOSHITAKA, JP
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[72] CHAE, JOHN, US
[73] SPR THERAPEUTICS, INC.,
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[54] **GRANULES A DISPERSION RAPIDE, COMPRIMES SE DELITANT ORALEMENT ET PROCEDES AFFERENTS**
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[72] SWAMINATHAN, VIJAYA, US
[72] LAI, JIN-WANG, US
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[54] **DISPOSITIF D'INSTALLATION HYDRAULIQUE A VOLET AXIAL**
[72] BRADSHAW, JEFFERY MICHAEL, US
[72] DOWSON, CHRIS, CA
[73] COOPER-STANDARD AUTOMOTIVE INC.,
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[54] **EVALUATION EN TEMPS REEL DE L'ABLATION A PARTIR DE SIGNAUX D'ELECTROCARDIOGRAMME**
[72] GOVARI, ASSAF, IL
[72] PAPAIOANNOU, ATHANASSIOS, US
[73] BIOSENSE WEBSTER (ISRAEL), LTD.,
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[54] **METHODE DE RECUPERATION DE L'OR SUR DES PARTICULES**
[72] LALANCETTE, JEAN-MARC, CA
[72] DUBREUIL, BERTRAND, CA
[72] LEMIEUX, DAVID, CA
[73] DUNDEE SUSTAINABLE TECHNOLOGIES INC.,
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[72] BARBER, ALLAN R., GB
[73] THE LUBRIZOL CORPORATION,
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[54] **PROCEDE DE POLYMERISATION DE SOLUTION A UTILISATION D'ENERGIE AMELIOREE**
[72] PRICE, TERRI A., CA
[72] SIBTAIN, FAZLE, CA
[72] CHELUGET, ERIC, US
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[73] ZAFGEN, INC.,
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[54] **SYNTHETIC RAW ELASTOMERIC COMPOSITIONS IN FREE-FLOWING PELLET FORM AND PROCESS FOR OBTAINING THE SAME**
[54] **COMPOSITIONS ELASTOMERES BRUTES SYNTHETIQUES SOUS FORME DE PASTILLES A ECOULEMENT LIBRE ET PROCEDE POUR LES OBTENIR**
[72] HERNANDEZ-ZAMORA, GABRIEL, MX
[72] SANCHEZ-ORTEGA, RICARDO, MX
[72] RODRIGUEZ-JUAREZ, ZENON, MX
[72] CAMACHO-SALAS, ISMAEL, MX
[72] MOCTEZUMA-ESPIRICUETO, SERGIO, MX
[73] DYNASOL ELASTOMEROS, S.A. DE C.V.,
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[54] **A SECURITY DOCUMENT AND A MANUFACTURING METHOD THEREOF**
[54] **DOCUMENT DE SECURITE ET SON PROCEDE DE FABRICATION**
[72] POHJOLA, TEEMU, FR
[72] KORHONEN, MAILA, FR
[72] NIKKILA, JARMO, FR
[73] GEMALTO SA,
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[54] **MODULAR PUMP DESIGN**
[54] **POMPE MODULAIRE**
[72] PENDLETON, GARY, US
[73] AFGLOBAL CORPORATION,
[85] 2013-10-21
[86] 2012-04-06 (PCT/US2012/032506)
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[54] **CONTROLLER**
[54] **DISPOSITIF DE COMMANDE**
[72] OUELLETTE, BENOIT, CA
[73] BOMBARDIER INC.,
[73] C SERIES AIRCRAFT LIMITED PARTNERSHIP,
[85] 2013-11-08
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[54] **AGENCEMENT DE FIXATION**
[72] WERNERSSON, HAKAN, SE
[72] HAMMER, PER, SE
[73] AKOUSTOS AB,
[85] 2013-11-08
[86] 2012-05-09 (PCT/SE2012/050494)
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[51] **Int.Cl. C02F 1/78 (2006.01)**
[25] EN
[54] **OZONE-BASED DISINFECTING DEVICE COMPRISING A FLOW SENSOR**
[54] **DISPOSITIF DE DESINFECTION A BASE D'OZONE COMPRENANT UN CAPTEUR D'ECOULEMENT**
[72] RUSSELL, CRISPIN MILES, ZA
[72] MARSHALL, MARK GREGORY, ZA
[72] FOSTER, CLINT LES, ZA
[72] ROWLES, DEREK HEDLEY, ZA
[73] ARCAQUA (PTY) LTD,
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[54] **CREMATED REMAINS REMEMBRANCE AND BURIAL SYSTEM**
[54] **SYSTEME D'ENTERREMENT ET DE COMMEMORATION DE CENDRES PROVENANT D'UNE CREMATION**
[72] EYBERG, DONALD, US
[72] CARLSON, CHARLES, US
[72] CANNON, MARK GERALD, US
[73] EYBERG, DONALD,
[73] CARLSON, CHARLES,
[73] CANNON, MARK GERALD,
[86] (2838444)
[87] (2838444)
[22] 2014-01-07
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[25] EN
[54] **GLUCAGON/GLP-1 RECEPTOR CO-AGONISTS**
[54] **CO-AGONISTES DU RECEPTEUR DU GLUCAGON ET DU RECEPTEUR DU GPL-1**
[72] DIMARCHI, RICHARD D., US
[72] SMILEY, DAVID L., US
[73] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION,
[85] 2013-12-17
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[25] EN
[54] **POLYMERIZATION INITIATING SYSTEM AND METHOD TO PRODUCE HIGHLY REACTIVE OLEFIN FUNCTIONAL POLYMERS**
[54] **SYSTEME D'AMORCAGE DE POLYMERISATION ET PROCEDE DE FABRICATION DE POLYMERES FONCTIONNELS OLEFINIQUES HAUTEMENT REACTIFS**
[72] FAUST, RUDOLF, US
[72] EMERT, JACOB, US
[73] UNIVERSITY OF MASSACHUSETTS,
[73] INFINEUM INTERNATIONAL LIMITED,
[86] (2843356)
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[25] EN
[54] **BARRIER COATINGS FOR FILMS AND STRUCTURES**
[54] **REVETEMENTS BARRIERES POUR FILMS ET STRUCTURES**
[72] KRAVITZ, HOWARD S., US
[72] HOSTETTER, BARRY J., US
[73] NANOPACK, INC.,
[85] 2014-01-30
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[54] **MONITORING SYSTEM FOR TRANSPORT CHAINS FOR CONVEYORS OF ARTICLES**
[54] **SYSTEME DE SURVEILLANCE POUR CHAINES DE TRANSPORT POUR CONVOYEUR D'ARTICLES**
[72] SALICE, FABIO, IT
[72] MORONI, CARLO, IT
[72] MARIANI, ROBERTO, IT
[72] GALLI, ROBERTO, IT
[73] REXNORD FLATTOP EUROPE S.R.L.,
[85] 2014-02-11
[86] 2012-08-10 (PCT/EP2012/065761)
[87] (WO2013/024057)
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[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **HYDROCARBON RECOVERY EMPLOYING AN INJECTION WELL AND A PRODUCTION WELL HAVING MULTIPLE TUBING STRINGS WITH ACTIVE FEEDBACK CONTROL**
[54] **RECUEIL D'HYDROCARBURES FAISANT APPEL A UN PUITS D'INJECTION ET A UN PUITS DE PRODUCTION A PLUSIEURS COLONNES AVEC RETROCONTROLE ACTIF**
[72] STONE, TERRY WAYNE, GB
[72] BROWN, GEORGE A., GB
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2014-02-12
[86] 2012-08-08 (PCT/US2012/050018)
[87] (WO2013/025420)
[30] US (61/523,985) 2011-08-16

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[51] **Int.Cl. B60T 8/17 (2006.01) B60T 17/22 (2006.01)**
[25] EN
[54] **BRAKE CONTROL DEVICE FOR A BRAKE SYSTEM, BRAKE SYSTEM, RAIL VEHICLE AND METHOD FOR OPERATING A BRAKE SYSTEM**
[54] **DISPOSITIF DE COMMANDE DE FREINAGE POUR SYSTEME DE FREINAGE, SYSTEME DE FREINAGE, VEHICULE FERROVIAIRE ET PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME DE FREINAGE**
[72] ELSTORPFF, MARC-GREGORY, DE
[72] RAU, RAINER, DE
[72] HAUPT, ROBERT, DE
[73] KNORR-BREMSE SYSTEME FUR SCHIENENFAHRZEUGE GMBH,
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[25] EN
[54] **RELOADABLE AUTO-INJECTOR**
[54] **AUTO-INJECTEUR RECHARGEABLE**
[72] BECHMANN, SOEREN, DK
[72] MADSEN, FLEMMING, DK
[72] JOHANSEN, ESBEN W., DK
[73] MERCK PATENT GMBH,
[85] 2014-03-07
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[51] **Int.Cl. A47F 5/08 (2006.01) A47B 57/58 (2006.01) B65G 1/00 (2006.01) B65G 1/16 (2006.01)**
[25] EN
[54] **ADJUSTABLE DEPTH MERCHANDISING CROSSBAR SYSTEMS AND METHODS FOR DIVIDING, PUSHING AND/OR DISPENSING ONE OR MORE RETAIL PRODUCTS**
[54] **SYSTEMES DE BARRES TRANSVERSALES DE MARCHANDISAGE A PROFONDEUR REGLABLE ET PROCEDES POUR DIVISER, POUSSER OU DISTRIBUER UN OU PLUSIEURS PRODUITS DE DETAIL**
[72] VOLGER, MICHAEL, CA
[72] POLLOCK, JOEL, CA
[73] MARKETING IMPACT LIMITED,
[86] (2848792)
[87] (2848792)
[22] 2014-04-11
[30] US (61/811,332) 2013-04-12
[30] US (14/249,744) 2014-04-10

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[25] EN
[54] **QUICK-LOAD MERCHANDISING PUSHER SYSTEMS AND METHODS FOR DIVIDING, PUSHING AND/OR DISPENSING ONE OR MORE RETAIL PRODUCTS**
[54] **PROCEDES ET SYSTEMES POUSSEURS DE MARCHANDISAGE A CHARGEMENT RAPIDE POUR DIVISER, POUSSER OU DISTRIBUER UN OU PLUSIEURS PRODUITS DE DETAIL**
[72] VOLGER, MICHAEL, CA
[72] POLLOCK, JOEL, CA
[72] WADDELL, DAVID G., CA
[72] GIL, MARTIN, CA
[73] MARKETING IMPACT LIMITED,
[86] (2848793)
[87] (2848793)
[22] 2014-04-11
[30] US (61/811,332) 2013-04-12
[30] US (14/249,536) 2014-04-10

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[25] EN
[54] **A COATING COMPOSITION, A METHOD FOR COATING A SUBSTRATE, A COATED SUBSTRATE, A PACKAGING MATERIAL AND A LIQUID PACKAGE**
[54] **COMPOSITION DE REVETEMENT, PROCEDE POUR LE REVETEMENT D'UN SUBSTRAT, SUBSTRAT REVETU, MATERIAU D'EMBALLAGE ET EMBALLAGE POUR DES PRODUITS LIQUIDES**
[72] LARSSON, JOHAN, SE
[72] KARLSSON, ANDERS, SE
[73] BILLERUDKORSNAS SKOG & INDUSTRI AKTIEBOLAG,
[85] 2014-03-27
[86] 2012-10-30 (PCT/EP2012/071494)
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[30] SE (1250261-3) 2012-03-19

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[51] **Int.Cl. F24F 11/46 (2018.01) F24F 11/62 (2018.01) F24F 11/65 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVING ENERGY EFFICIENCY IN AN HVAC SYSTEM**
[54] **PROCEDE ET SYSTEME POUR AMELIORER LE RENDEMENT EN ENERGIE DANS UN SYSTEME DE CVCA**
[72] BESTER, COLIN, US
[72] BARTMESS, ROBERT, US
[73] SIEMENS INDUSTRY, INC.,
[85] 2014-03-28
[86] 2012-09-27 (PCT/US2012/057419)
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[25] EN
[54] **CATALYST COMPOSITIONS AND THEIR USE FOR HYDROGENATION OF NITRILE RUBBER**
[54] **COMPOSITIONS CATALYTIQUES ET LEUR UTILISATION POUR L'HYDROGENATION DE CAOUTCHOUC NITRILE**
[72] OBRECHT, WERNER, DE
[72] DAVID, SARAH, DE
[72] LIU, QINGCHUN, CN
[72] WEI, ZHENLI, CN
[73] ARLANXEO DEUTSCHLAND GMBH,
[85] 2014-04-16
[86] 2012-10-19 (PCT/EP2012/070823)
[87] (WO2013/057295)
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[13] C
[51] **Int.Cl. G01V 9/00 (2006.01) C12Q 1/64 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE LOCATION, SIZE, AND FLUID COMPOSITION OF A SUBSURFACE HYDROCARBON ACCUMULATION**
[54] **PROCEDE DE DETERMINATION DE LA POSITION, DE LA DIMENSION ET DE LA COMPOSITION DE FLUIDE D'UNE ACCUMULATION D'HYDROCARBURES DE SOUS-SOL**
[72] POTTORF, ROBERT J., US
[72] LAWSON, MICHAEL, US
[72] MAY, STEVEN R., US
[72] DREYFUS, SEBASTIEN L., US
[72] RAMAN, SUMATHY, US
[72] POWELL, WILLIAM G., US
[72] N'GUESSAN, A. LUCIE, US
[72] ROBINSON, AMELIA C., US
[72] REGBERG, AARON B., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2014-04-23
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[87] (WO2013/071187)
[30] US (61/558,822) 2011-11-11
[30] US (61/595,394) 2012-02-06
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[54] **NMDA RECEPTOR MODULATORS AND USES THEREOF**
[54] **MODULATEURS DES RECEPTEURS NMDA ET UTILISATIONS DE CEUX-CI**
[72] KHAN, AMIN M., US
[72] MOSKAL, JOSEPH, US
[73] NORTHWESTERN UNIVERSITY,
[85] 2014-04-23
[86] 2012-10-24 (PCT/US2012/061696)
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[30] US (61/550,782) 2011-10-24

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[51] **Int.Cl. F04D 15/00 (2006.01) F04D 13/06 (2006.01) G05D 7/06 (2006.01) F04B 49/06 (2006.01)**
[25] EN
[54] **FLOW LOCKING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE BLOCAGE DE DEBIT**
[72] ROBOL, RONALD B., US
[72] HRUBY, DANIEL J., US
[72] MCCALL, RODNEY, US
[73] PENTAIR WATER POOL AND SPA, INC.,
[85] 2014-04-30
[86] 2012-11-01 (PCT/US2012/063096)
[87] (WO2013/067206)
[30] US (61/554,439) 2011-11-01

[11] **2,854,371**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **MODELING OF INTERACTION OF HYDRAULIC FRACTURES IN COMPLEX FRACTURE NETWORKS**
[54] **MODELISATION DE L'INTERACTION DE FRACTURES HYDRAULIQUES DANS DES RESEAUX DE FRACTURES COMPLEXES**
[72] WU, RUITING, US
[72] KRESSE, OLGA, US
[72] WENG, XIAOWEI, US
[72] COHEN, CHARLES-EDOUARD, US
[72] GU, HONGREN, US
[73] SCHLUMBERGER CANADA LIMITED,
[85] 2014-05-01
[86] 2012-11-02 (PCT/US2012/063340)
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[13] C
[51] **Int.Cl. H04W 24/10 (2009.01) H04W 74/00 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **ACCESS PROCEDURES FOR IN-DEVICE COEXISTENCE INTERFERENCE AVOIDANCE**
[54] **PROCEDURES D'ACCES POUR EVITEMENT DE BROUILLAGE DE COEXISTENCE INTRA-DISPOSITIF**
[72] KOO, CHANGHOI, US
[72] LI, JUN, US
[72] CAI, ZHIJUN, US
[73] BLACKBERRY LIMITED,
[85] 2014-05-02
[86] 2012-10-25 (PCT/US2012/061868)
[87] (WO2013/066711)
[30] US (13/289,695) 2011-11-04

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[13] C
[51] **Int.Cl. C01B 39/48 (2006.01) B01J 29/70 (2006.01)**
[25] EN
[54] **A HOLLOW IM-5 MOLECULAR SIEVE SPHERE AND THE PREPARATION PROCESS THEREOF**
[54] **ZEOLITE SPHERIQUE CREUSE IM-5 ET SON PROCEDE DE PREPARATION**
[72] LING, FENGXIANG, CN
[72] YANG, WEIYA, CN
[72] WANG, SHAOJUN, CN
[72] SHEN, ZHIQI, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION,
[73] FUSHUN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC,
[85] 2014-05-09
[86] 2012-10-30 (PCT/CN2012/001474)
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[30] CN (201110353565.4) 2011-11-10

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[13] C
[51] **Int.Cl. A61G 7/057 (2006.01)**
[25] EN
[54] **MULTI-LAYERED SUPPORT SYSTEM**
[54] **SYSTEME SUPPORT MULTICOUCHE**
[72] LOCKE, CHRISTOPHER, US
[73] HUNTLEIGH TECHNOLOGY LIMITED,
[85] 2014-05-08
[86] 2012-10-02 (PCT/US2012/058477)
[87] (WO2013/052495)
[30] US (61/542,451) 2011-10-03

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[13] C
[51] **Int.Cl. B60B 23/12 (2006.01)**
[25] EN
[54] **WHEEL RIM WITH HUB PLATE**
[54] **JANTE DE ROUE DOTEE DE CHAPEAU DE MOYEU**
[72] RATGEN, FELIX PALUDAN, DK
[73] TYRE TRADE DK APS,
[85] 2014-05-12
[86] 2012-11-12 (PCT/DK2012/050414)
[87] (WO2013/068018)
[30] DK (PA 2011 70617) 2011-11-11

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[51] **Int.Cl. B60P 1/28 (2006.01) B60R 13/01 (2006.01) B62D 25/20 (2006.01)**
[25] EN
[54] **WEAR RESISTANT LINING ELEMENT AND METHOD FOR DISENGAGING MATERIAL**
[54] **ELEMENT DE REVETEMENT RESISTANT A L'USURE ET PROCEDE DE DEGAGEMENT DU MATERIAU**
[72] BURSTROM, ANDERS, SE
[72] HANSSON, JONAS, SE
[72] PERSSON, HENRIK, SE
[73] METSO SWEDEN AB,
[85] 2014-06-16
[86] 2012-12-17 (PCT/EP2012/075792)
[87] (WO2013/092489)
[30] EP (11195642.1) 2011-12-23

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[51] **Int.Cl. F03B 11/00 (2006.01)**
[25] EN
[54] **DEVICE FOR DETECTING ABRASIVE WEAR**
[54] **DISPOSITIF POUR DETECTER L'USURE PAR ABRASION**
[72] KRATZSCH, AXEL, DE
[72] CHRIST, DANIEL, DE
[72] SCHOPPA, JAN, DE
[73] VOITH PATENT GMBH,
[85] 2014-06-19
[86] 2013-01-07 (PCT/EP2013/050144)
[87] (WO2013/107664)
[30] DE (10 2012 000 988.7) 2012-01-20

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[13] C
[51] **Int.Cl. B65D 81/32 (2006.01) B65D 51/28 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING A LIQUID-SUBSTANCE MIXTURE ATTRACTIVE TO AN ANIMAL**
[54] **SYSTEME DE PRODUCTION D'UN MELANGE LIQUIDE-SUBSTANCE POUVANT ATTIRER UN ANIMAL**
[72] GERARD, GUILLAUME, FR
[73] ELANCO TIERGESUNDHEIT AG,
[85] 2014-07-14
[86] 2013-01-30 (PCT/EP2013/051755)
[87] (WO2013/113737)
[30] EP (12153433.3) 2012-02-01
[30] CH (01437/12) 2012-08-22

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[13] C
[51] **Int.Cl. G01V 1/48 (2006.01) E21B 47/18 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SPECTRAL NOISE LOGGING**
[54] **PROCEDE ET APPAREIL D'ENREGISTREMENT DE BRUIT SPECTRAL**
[72] DAVYDOV, DMITRY ALEXANDROVICH, RU
[72] ASLANIAN, ARTUR MIKHAILOVICH, RU
[73] TGT OIL AND GAS SERVICES FZE,
[73] SONOGRAM LLC,
[85] 2014-06-25
[86] 2012-12-03 (PCT/RU2012/001006)
[87] (WO2013/162411)
[30] GB (1207076.9) 2012-04-23

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[13] C
[51] **Int.Cl. A01K 29/00 (2006.01)**
[25] EN
[54] **ANIMAL CAGE LITTER COMPOSITION, ESPECIALLY SUITABLE FOR CATS**
[54] **COMPOSITION DE LITIERE POUR CAGE D'ANIMAL CONVENANT TOUT PARTICULIEREMENT AUX CHATS**
[72] GAWRON, TOMASZ, PL
[73] GAWRON, TOMASZ,
[73] MUSZYNSKA, GRAZYNA,
[86] (2861806)
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[54] **METHOD FOR PREPARING MONO OR DIALKANOL AMIDES**
[54] **PROCEDE DE PREPARATION DE MONO- OU DI-ALCANOLAMIDES**
[72] SUEN, YAT FAN, US
[72] JENSEN, SARAH LIZ, US
[73] CHEVRON ORONITE COMPANY LLC,
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[25] EN
[54] **METHOD FOR REDUCING NEGATIVE EFFECTS OF NATURAL PITCH CONTAMINANTS IN BOTH PULPING AND PAPERMAKING OPERATIONS**
[54] **PROCEDE POUR LA REDUCTION DES EFFETS NEGATIFS DE CONTAMINANTS A BASE DE POIX NATURELLE DANS DES OPERATIONS A LA FOIS DE REDUCTION EN PATE ET DE FABRICATION DE PAPIER**
[72] COWMAN, JOHN STUART, GB
[72] KOHLER, ACHIM, DE
[72] LEONE-KAMMLER, ANTONELLA, CH
[73] ARCHROMA IP GMBH,
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[54] **COLLAPSIBLE FEEDER**
[54] **DISTRIBUTEUR PLIANT**
[72] NELSON, RONALD D., US
[73] CABELA'S LLC,
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[54] **STABILIZED DEFOAMERS FOR CEMENTITIOUS COMPOSITIONS**
[54] **ANTIMOUSSES STABILISES POUR COMPOSITIONS CIMENTAIRES**
[72] CHEN, YING, US
[72] KUO, LAWRENCE L., US
[72] JEKNAVORIAN, ARA A., US
[73] GCP APPLIED TECHNOLOGIES INC.,
[85] 2014-10-01
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[51] **Int.Cl. A01F 15/07 (2006.01)**
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[54] **CONTINUOUS BALE FORMING APPARATUS WITH A ROTATING BALE PUSHING DEVICE**
[54] **APPAREIL DE FORMATION DE BALLES CONTINUE AYANT UN DISPOSITIF DE POUSSEE DE BALLE A MOUVEMENT ROTATIF**
[72] REIJERSEN VAN BUUREN, WILLEM JACOBUS, NL
[72] DE JONG, RUDY, NL
[73] FORAGE COMPANY B.V.,
[85] 2014-10-17
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[54] **MODULAR CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNECTEUR MODULAIRE**
[72] SMITH, JEFFREY T., US
[73] SMITH, JEFFREY T.,
[86] (2871059)
[87] (2871059)
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[25] EN
[54] **ANNULAR COVER DELIMITING A TURBOMACHINE LUBRICATION CHAMBER**
[54] **COUVERCLE ANNULAIRE DELIMITANT UNE CHAMBRE DE LUBRIFICATION DE TURBOMACHINE**
[72] GRELIN, HERVE, FR
[72] HONORE, DIDIER, BE
[73] SAFRAN AERO BOOSTERS SA,
[86] (2871200)
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[25] EN
[54] **TRITOQUALINE FOR USE IN THE TREATMENT OF CYSTIC FIBROSIS**
[54] **TRITOQUALINE POUR SON UTILISATION DANS LE TRAITEMENT DE LA MUCOVISCIDOSE**
[72] COSTANTINI, DOMINIQUE, FR
[73] OSE IMMUNOTHERAPEUTICS,
[85] 2014-10-28
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[54] **PULSE SEQUENCE METHOD FOR MRI**
[54] **PROCEDE D'ETABLISSSEMENT D'UNE SEQUENCE D'IMPULSIONS POUR L'IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] TOPGAARD, DANIEL, SE
[72] LASIC, SAMO, SE
[72] NILSSON, MARKUS, SE
[73] CR DEVELOPMENT AB,
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[25] EN
[54] **METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**
[54] **PROCEDES POUR LE TRAITEMENT DE MATERIAUX LIGNOCELLULOSIQUES**
[72] JANSEN, ROBERT, US
[72] GREGOIRE, CLAIRE, FR
[72] TRAVISANO, PHILIP, US
[72] MADSEN, LEE, US
[72] MATIS, NETA, IL
[72] HAR-TAL, YAEL, IL
[72] ELIAHU, SHAY, IL
[72] LAWSON, JAMES ALAN, US
[72] LAPIDOT, NOA, IL
[72] BURKE, LUKE, US
[72] EYAL, AHARON M., IL
[72] BAUER, TIMOTHY ALLEN, US
[72] SADE, HAGIT, IL
[72] MCWILLIAMS, PAUL, US
[72] BELMAN, ZIV-VLADIMIR, IL
[72] HALLAC, BASSEM, IL
[72] ZVIELY, MICHAEL, IL
[72] GERSHINSKY, YELENA, IL
[72] CARDEN, ADAM, US
[73] VIRDIA, INC.,
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[54] **VIRTUAL ELECTRODE MINERAL PARTICLE DISINTEGRATOR**
[54] **DESINTEGRATEUR DE PARTICULES MINERALES A ELECTRODES VIRTUELLES**
[72] MOENY, WILLIAM M., US
[73] SDG LLC,
[85] 2014-11-10
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[54] **UTILITY KNIFE**
[54] **COUTEAU A LAME RETRACTABLE**
[72] WANG, WEIYI, CN
[73] HANGZHOU GREAT STAR TOOLS CO., LTD.,
[73] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD.,
[85] 2014-12-22
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[25] EN
[54] **AN APPARATUS AND A METHOD OF CONTROLLING AN EXTRACORPOREAL BLOOD TREATMENT**
[54] **APPAREIL ET PROCEDE DE CONTROLE D'UN TRAITEMENT EXTRACORPOREL DU SANG**
[72] VASTA, ALESSANDRO, IT
[73] GAMBRO LUNDIA AB,
[85] 2015-03-12
[86] 2013-08-08 (PCT/IB2013/056481)
[87] (WO2014/049458)
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[25] EN
[54] **POLYAMIDE MOULDING COMPOSITION, MOULDED ARTICLES PRODUCED HEREFROM AND ALSO USE OF THE POLYAMIDE MOULDING COMPOSITIONS**
[54] **COMPOSITION DE MOULAGE POLYAMIDE, ARTICLES MOULES PRODUITS DE LA COMPOSITION ET EGALEMENT UTILISATION DES COMPOSITIONS DE MOULAGE POLYAMIDE**
[72] AEPLI, ETIENNE, CH
[72] HOFFMAN, BOTHO, CH
[73] EMS-PATENT AG,
[86] (2885440)
[87] (2885440)
[22] 2015-03-20
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[25] EN
[54] **PROCESS OF PREPARING AND PACKAGING A TOBACCO-RELATED BLEND**
[54] **PROCEDE DE PREPARATION ET DE CONDITIONNEMENT D'UN MELANGE APPARENTE AU TABAC**
[72] RIETH, FABIAN, DE
[73] REEMTSMA CIGARETTENFABRIKEN GMBH,
[85] 2015-04-29
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[25] EN
[54] **IMPROVED AVIONIC ETHERNET NETWORK AND METHOD OF TRANSMITTING BLOCKS OF DATA IN THE NETWORK**
[54] **RESEAU ETHERNET AVIONIQUE AMELIORE ET PROCEDE DE TRANSMISSION DE BLOCS DE DONNEES DANS LEDIT RESEAU**
[72] TRAVERSONE, MASSIMO, IT
[72] LUONI, MAURO, IT
[73] SELEX ES S.P.A.,
[85] 2015-05-29
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[51] **Int.Cl. G06K 9/18 (2006.01) G06Q 10/08 (2012.01) G06K 9/36 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING METHODS AND SYSTEMS FOR BARCODE AND/OR PRODUCT LABEL RECOGNITION**
[54] **METHODES ET SYSTEMES DE TRAITEMENT D'IMAGES POUR RECONNAISSANCE DE CODES A BARRES OU D'ETIQUETTES DE PRODUIT**
[72] WU, WENCHENG, US
[72] VENABLE, DENNIS L., US
[72] MOORE, STEVEN R., US
[72] WADE, THOMAS F., US
[72] PAUL, PETER, US
[72] COTE, ADRIEN P., CA
[73] CONDUENT BUSINESS SERVICES, LLC,
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[87] (2893387)
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[25] EN
[54] **GAMING DEVICE COMPRISING A VERTICAL HOUSING**
[54] **APPAREIL DE DIVERTISSEMENT AVEC BOITIER VERTICAL**
[72] SPRENGER, TOBIAS, DE
[73] NOVOMATIC AG,
[85] 2015-06-09
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[25] EN
[54] **PRODUCTION OF HIGHER ALCOHOLS**
[54] **PRODUCTION D'ALCOOLS SUPERIEURS**
[72] GADEWAR, SAGAR B., US
[72] VICENTE, BRIAN CHRISTOPHER, US
[72] STOIMENOV, PETER K., US
[72] JULKA, VIVEK, US
[73] RESCURVE, LLC,
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[54] **PROCESS FOR MAKING 2,5-FURANDICARBOXYLIC ACID**
[54] **PROCEDE DE FABRICATION D'ACIDE 2,5-FURAN-DICARBOXYLIQUE**
[72] SANBORN, ALEXANDRA, US
[73] ARCHER DANIELS MIDLAND COMPANY,
[85] 2015-08-25
[86] 2014-03-05 (PCT/US2014/020482)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHOMOGENEOUS SODIUM DISTRIBUTION**
[54] **COMPOSITIONS ET PROCEDES POUR DISTRIBUER DU SODIUM DE MANIERE NON HOMOGENE**
[72] WOO, KYUNGSOO, US
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2015-09-01
[86] 2014-04-30 (PCT/EP2014/058861)
[87] (WO2014/180732)
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[54] **MONITORING HYDRAULIC FRACTURING**
[54] **SURVEILLANCE DE FRACTURATION HYDRAULIQUE**
[72] KEIZER, TIMOTHY S., US
[72] BURNEY, JASON R., US
[73] ECOLAB USA INC.,
[85] 2015-09-08
[86] 2014-03-09 (PCT/US2014/022212)
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[25] EN
[54] **RETRACTABLE NEEDLE ADAPTERS AND SAFETY SYRINGES**
[54] **ADAPTATEURS D'AIGUILLE RETRACTABLES ET SERINGUES DE SECURITE**
[72] BOKELMAN, KEVIN L., US
[72] HO, EDUARDO, US
[72] RUSSO, ROBERT SCOTT, US
[72] MCKEE, BRANDON J., US
[72] CAROSI, JOHN W., US
[72] BRANDT, CHRISTIAN P., US
[72] GUPTA, JYOTI, US
[72] MOJDEHBAKHSH, RAMIN, US
[73] UNITRACT SYRINGE PTY LTD,
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF A POLYORTHOESTER AND AN APROTIC SOLVENT**
[54] **COMPOSITIONS D'UN POLYORTHOESTER ET D'UN SOLVANT APROTIQUE**
[72] OTTOBONI, THOMAS, US
[72] SCHILLINGER, LEE ANN LYNN, US
[72] NIEMANN, JOSEPH, US
[73] HERON THERAPEUTICS, INC.,
[85] 2015-09-14
[86] 2014-03-13 (PCT/US2014/026575)
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Brevets canadiens délivrés
24 décembre 2019

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[54] **ICE SCRAPER**
[54] **GRATTOIR**
[72] HEINE, MIKKO, FI
[72] MASALIN, PETTERI, FI
[72] SANDELIN, TEEMU, FI
[72] SOKKA, MIKA, FI
[73] FISKARS GARDEN OY AB,
[86] (2909285)
[87] (2909285)
[22] 2015-10-15
[30] EP (14190984.6) 2014-10-30

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[51] **Int.Cl. F21K 9/60 (2016.01) F21K 9/23 (2016.01) F21V 23/00 (2015.01) H05B 37/02 (2006.01)**
[25] EN
[54] **SOLID STATE LIGHTING FIXTURE WITH INCANDESCENT DIMMING CHARACTERISTICS**
[54] **APPAREIL D'ECLAIRAGE A SEMI-CONDUCTEURS DOTE DE CARACTERISTIQUES DE GRADATEUR INCANDESCENT**
[72] PETLURI, RAGHURAM L.V., US
[72] CHOWDHURY, TOWFIQ, US
[73] ABL IP HOLDING LLC,
[86] (2909287)
[87] (2909287)
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[51] **Int.Cl. A01D 34/44 (2006.01) A01D 34/62 (2006.01) A01D 75/30 (2006.01)**
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[54] **GANG MOWER WITH REEL MOWER CUTTING UNITS**
[54] **TRAIN DE TONDEUSES A UNITES DE LAMES TONDEUSES ROTATIVES**
[72] VAN DE SLUIS, JACKY, LU
[72] VAN DE SLUIS, CONNY, LU
[73] VAN DE SLUIS, JACKY,
[73] VAN DE SLUIS, CONNY,
[85] 2015-10-27
[86] 2014-05-02 (PCT/EP2014/058988)
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[30] EP (13166555.6) 2013-05-03

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[51] **Int.Cl. E05D 15/22 (2006.01) E06B 3/50 (2006.01)**
[25] EN
[54] **PIVOT BAR FOR WINDOW SASH**
[54] **BARRE A PIVOT POUR CHASSIS DE FENETRE**
[72] SOFIANEK, JAY, US
[72] KESSLER, JOHN, US
[73] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC,
[86] (2910709)
[87] (2910709)
[22] 2015-10-29
[30] US (62/072,598) 2014-10-30
[30] US (14/923,578) 2015-10-27

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[13] C
[51] **Int.Cl. E21B 19/22 (2006.01)**
[25] EN
[54] **QUICK-RELEASE GRIPPING INSERT ASSEMBLY**
[54] **ENSEMBLE INSERT DE PRISE A RACCORD RAPIDE**
[72] PARK, DO SEO, US
[73] PREMIER COIL SOLUTIONS, INC.,
[85] 2015-11-06
[86] 2014-05-07 (PCT/US2014/037202)
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[30] US (61/820,440) 2013-05-07

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[25] EN
[54] **NANOPARTICULATE COMPOSITIONS AND FORMULATIONS OF PIPERAZINE COMPOUNDS**
[54] **COMPOSITIONS DE NANOPARTICULES ET FORMULATIONS DE COMPOSES DE PIPERAZINE**
[72] LEE, YOUNG BOK, US
[72] AHN, CHANG-HO, US
[72] KIM, DEOG JOONG, US
[73] REXAHN PHARMACEUTICALS, INC.,
[85] 2015-11-25
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[13] C
[51] **Int.Cl. F16K 3/36 (2006.01) F16N 7/36 (2006.01)**
[25] EN
[54] **LUBRICATION SYSTEM FOR A GATE VALVE**
[54] **SYSTEME DE LUBRIFICATION POUR UNE SOUPAPE A TIROIR**
[72] KELLEY, JOHN D., US
[72] MOORE, KIRK W., US
[73] EMERSON VULCAN HOLDING LLC,
[85] 2015-12-03
[86] 2014-06-03 (PCT/US2014/040737)
[87] (WO2014/197496)
[30] US (61/830,451) 2013-06-03

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[13] C
[51] **Int.Cl. B65H 45/24 (2006.01) B65H 45/28 (2006.01)**
[25] EN
[54] **DEVICE FOR MANIPULATING PAPER STRIPS AND MACHINE FOR PRODUCING BOOKLETS OF PAPER SHEETS**
[54] **DISPOSITIF DE MANIPULATION DE BANDES DE PAPIER ET MACHINE DE PRODUCTION DE LIVRETS DE FEUILLES DE PAPIER**
[72] TEUGELS, PASCAL, BE
[73] IMPERIAL TOBACCO LIMITED,
[85] 2015-12-22
[86] 2014-06-27 (PCT/EP2014/063633)
[87] (WO2015/000798)
[30] EP (13174891.5) 2013-07-03

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[54] **FUEL SYSTEM WITH LIQUID RING PUMP WITH CENTRIFUGAL AIR/FUEL SEPARATOR**
[54] **CIRCUIT DE CARBURANT AVEC POMPE ANNULAIRE A LIQUIDE DOTEE D'UN SEPARATEUR AIR/CARBURANT CENTRIFUGE**
[72] MUELLER, AUSTIN WADE, US
[72] BARYSHNIKOV, DMITRIY, US
[73] WOODWARD, INC.,
[85] 2016-02-02
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[54] **COMPOSITION LIPIDIQUE COMESTIBLE COMPRENANT DE L'ACIDE STEARIDONIQUE ET DE L'HUILE D'OLIVE**
[72] HOFSTRA, HARMEN, NL
[72] SAELE, ORJAN, NO
[72] EIDE, OLA, NO
[72] SAGA, LINDA CHRISTINE, NO
[73] ZINZINO AB,
[85] 2016-03-14
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[25] EN
[54] **CRYSTALLINE SOLVATES AND COMPLEXES OF (1S)-1,5-ANHYDRO-1-C-(3-((PHENYL)METHYL)PHENYL)-D-GLUCITOL DERIVATIVES WITH AMINO ACIDS AS SGLT2 INHIBITORS FOR THE TREATMENT OF DIABETES**
[54] **SOLVATES CRISTALLINS ET COMPLEXES DE DERIVES DE (1S)-1,5-ANHYDRO-1-C-(3-((PHENYL)METHYL)PHENYL)-D-GLUCITOL COMPORTANT DES ACIDES AMINES COMME INHIBITEURS DE SGLT2 POUR LE TRAITEMENT DU DIABETE**
[72] GOUGOUTAS, JACK Z., US
[72] LOBINGER, HILDEGARD, US
[72] RAMAKRISHNAN, SRIVIDYA, US
[72] DESHPANDE, PRASHANT P., US
[72] BIEN, JEFFREY T., US
[72] LAI, CHIAJEN, US
[72] WANG, CHENCHI, US
[72] RIEBEL, PETER, US
[72] GROSSO, JOHN ANTHONY, US
[72] NIRSCHL, ALEXANDRA A., US
[72] SINGH, JANAK, US
[72] DIMARCO, JOHN D. (DECEASED), US
[73] ASTRAZENECA AB,
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[54] **DRILL BITS HAVING FLUSHING AND SYSTEMS FOR USING SAME**
[54] **TREPANS A BALAYAGE ET LEURS SYSTEMES D'UTILISATION**
[72] PEARCE, CODY A., US
[72] RUPP, MICHAEL D., US
[72] LAMBERT, CHRISTIAN M., US
[73] LONGYEAR TM, INC.,
[85] 2016-05-19
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[54] **POCKETED SPRING ASSEMBLY**
[54] **ENSEMBLE RESSORTS ENSACHES**
[72] RICHMOND, DARRELL A., US
[72] WELLS, THOMAS W., US
[73] L&P PROPERTY MANAGEMENT COMPANY,
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[54] **CCTV MONITORING SYSTEM FOR REGISTERING CAMERA AND MANAGING PERMISSION AND CONTROL METHOD THEREOF**
[54] **SYSTEME DE SURVEILLANCE EN CIRCUIT FERME SERVANT A ENREGISTRER UNE CAMERA ET A GERER LA PERMISSION, ET METHODE DE CONTROLE ASSOCIEE**
[72] USIE, WESLEY ROBERT, US
[73] CHEKT LLC,
[86] (2934598)
[87] (2934598)
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[54] **DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] CRONENBERG, RICHARD A., US
[72] VEDRINE, LIONEL, US
[72] ALCHAS, PAUL, US
[73] BECTON, DICKINSON AND COMPANY,
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[54] **A SYSTEM AND METHOD FOR TREATING WATER SYSTEMS WITH HIGH VOLTAGE DISCHARGE AND OZONE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE TRAITER DES HYDROSYSTEMES AVEC UNE DECHARGE DE TENSION ELEVEE ET DE L'OZONE**
[72] DENVIR, ADRIAN J., US
[72] VELA, DAVID F., US
[72] HOLLOWAY, MATTHEW C., US
[72] BOESCH, WILLIAM P., US
[72] EVARO, JOSE E., US
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[25] EN
[54] **SUPER CAPACITOR BASED EMERGENCY LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE D'URGENCE FONDE SUR UN SUPER CONDENSATEUR**
[72] OLTHETEN, ERIK JOHN, US
[73] BELL HELICOPTER TEXTRON INC.,
[86] (2943536)
[87] (2943536)
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[54] **ADAPTER PANEL WITH LATERAL SLIDING ADAPTER ARRAYS**
[54] **PANNEAU D'ADAPTATEURS PRESENTANT DES RESEAUX D'ADAPTATEURS COULISSANTS**
[72] SMRHA, MARK, US
[72] COBURN, HUTCH, US
[72] SJODIN, CHAD, US
[73] ADC TELECOMMUNICATIONS, INC.,
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[54] **ANTIMICROBIAL STOPCOCK MEDICAL CONNECTOR**
[54] **RACCORD MEDICAL POUR ROBINET D'ARRET ANTIMICROBIEN**
[72] LIU, HUIBIN, US
[72] BIHLMAIER, BRYAN F., US
[72] LIN, JANICE, US
[73] BECTON, DICKINSON AND COMPANY,
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[54] **A HINGED CAPSULE INHALER**
[54] **INHALATEUR A CAPSULE A CHARNIERE**
[72] MCDERMENT, IAN, GB
[72] VILLAX, PETER, PT
[72] VENTURA, JOAO, PT
[72] RICHARDSON, WILLIAM, GB
[73] HOVIONE TECHNOLOGY LIMITED,
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[25] EN
[54] **SPIN STABILIZATION OF A SPACECRAFT FOR AN ORBIT MANEUVER**
[54] **STABILISATION DE VITESSE DE ROTATION D'UN AERONEF EN VUE D'UNE MANOEUVRE EN ORBITE**
[72] WANG, QINGHONG W., US
[72] SOBEL, ALEXANDER JACOB, US
[72] LEMKE, GARY, US
[72] LUI, TIMOTHY, US
[72] LEE, KANGSIK, US
[72] CAPLIN, GLENN N., US
[72] FONTANA, TROY ALLEN, US
[73] THE BOEING COMPANY,
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[87] (2948119)
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[25] EN
[54] **CAROTENOID DERIVATIVE, PHARMACEUTICALLY ACCEPTABLE SALT THEREOF, OR PHARMACEUTICALLY ACCEPTABLE ESTER OR AMIDE THEREOF**
[54] **DERIVE DE CAROTENOIDE, SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CE DERNIER ET ESTER OU AMIDE PHARMACEUTIQUEMENT ACCEPTABLE DE CE DERNIER**
[72] FUJITA, TAKASHI, JP
[72] KOBAYASHI, SATOSHI, JP
[72] SHINOHARA, RYOMA, JP
[72] NISHIDA, YASUHIRO, JP
[72] TAKAHASHI, JIRO, JP
[73] ASTA PHARMACEUTICALS CO., LTD.,
[85] 2016-11-09
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[54] **BELT-DISCHARGE BODY**
[54] **CORPS DE DECHARGE DE COURROIE**
[72] WIKEL, DEAN, US
[72] MCGEE, LARRY, US
[72] SCHAEFFER, PHILIP, US
[72] THOMAS, SHANE, US
[72] RYAN, KERK, US
[73] PEGASUS VANS AND TRAILERS, INC.,
[86] (2949469)
[87] (2949469)
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[54] **OMNI DIRECTIONAL WAVE ENERGY EXTRACTION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'EXTRACTION D'ENERGIE HOULOMETRIQUE OMNIDIRECTIONNEL**
[72] PECHLIVANIDES, PANTELIS, GR
[73] PECHLIVANIDES, PANTELIS,
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[54] **SYNTHESIS OF POLYCYCLIC-CARBAMOYLPYRIDONE COMPOUNDS**
[54] **SYNTHESE DE COMPOSES DE CARBAMOYLPYRIDONE POLYCYCLIQUES**
[72] CHIU, ANNA, US
[72] ENQUIST, JOHN, US
[72] GRIGGS, NOLAN, US
[72] HALE, CHRISTOPHER, US
[72] IKEMOTO, NORIHIRO, US
[72] KEATON, KATIE ANN, US
[72] KRAFT, MATT, US
[72] LAZERWITH, SCOTT E., US
[72] LEEMAN, MICHEL, NL
[72] PENG, ZHIHUI, US
[72] SCHRIER, KATE, US
[72] TRINIDAD, JONATHAN, US
[72] HERPT, JOCHEM VAN, NL
[72] WALTMAN, ANDREW W., US
[73] GILEAD SCIENCES, INC.,
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[54] **PROCESSES FOR PREPARING ANTIVIRAL COMPOUNDS**
[54] **PROCEDES DE PREPARATION DE COMPOSES ANTIVIRAUX**
[72] ALLAN, KEVIN M., US
[72] FUJIMORI, SHINJI, US
[72] HEUMANN, LARS V., US
[72] HUYNH, GRACE MAY, US
[72] KEATON, KATIE ANN, US
[72] LEVINS, CHRISTOPHER M., US
[72] PAMULAPATI, GANAPATI REDDY, US
[72] ROBERTS, BENJAMIN JAMES, US
[72] SARMA, KESHAB, US
[72] TERESK, MARTIN GERALD, US
[72] WANG, XIANG, US
[72] WOLCKENHAUER, SCOTT ALAN, US
[73] GILEAD PHARMASSET LLC,
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[54] **SHROUD HANGER ASSEMBLY**
[54] **ENSEMBLE DE SUSPENSION DE CARENAGE**
[72] SHAPIRO, JASON DAVID, US
[72] SCHILLING, JAN CHRISTOPHER, US
[72] FRANKS, MICHAEL JOHN, US
[73] GENERAL ELECTRIC COMPANY,
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[54] **ASYMMETRIC TIBIAL COMPONENTS FOR A KNEE PROSTHESIS**
[54] **COMPOSANTS TIBIAUX ASYMETRIQUES POUR UNE PROTHESE DE GENOU**
[72] WENTORF, MARY S. S., US
[72] BISCHOFF, JEFFREY E., US
[73] ZIMMER, INC.,
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[54] **FILTRATION DEVICE FOR CENTRAL VACUUM SYSTEM**
[54] **DISPOSITIF DE FILTRATION POUR SYSTEME DE VIDE CENTRAL**
[72] LIZAUCKAS, ANTHONY, US
[72] SHVETSOV, KYRYLO, US
[72] PEPE, GREGORY, US
[72] PALMERTON, DANIEL R., US
[73] BUFFALO FILTER LLC,
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[25] EN
[54] **CRAFTING APPARATUS INCLUDING A WORKPIECE FEED PATH BYPASS ASSEMBLY AND WORKPIECE FEED PATH ANALYZER**
[54] **APPAREIL DE FABRICATION COMPRENANT UN ENSEMBLE DE DERIVATION DE TRAJET DE DELIVRANCE DE PIECE A TRAVAILLER ET ANALYSEUR DE TRAJET DE DELIVRANCE DE PIECE A TRAVAILLER**
[72] CRYSTAL, JEREMY BURTON, US
[72] GUBLER, JEFFERY V., US
[72] DAVIS, JAMES T., US
[72] BURTON, JARED D., US
[72] DODGE, CHRISTOPHER KENNETH, US
[72] STRONG, MATTHEW, B., US
[72] COLBY, JIM ALLEN, US
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[25] EN
[54] **METHOD FOR SMELTING NICKEL OXIDE ORE**
[54] **PROCEDE DE FUSION DE MINERAI D'OXYDE DE NICKEL**
[72] TAKAHASHI, JUNICHI, JP
[72] INOUE, TAKU, JP
[72] OKADA, SHUUJI, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2017-04-03
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[54] **REVETEMENT DE PT-AL-HF/ZR ET PROCEDE ASSOCIE**
[72] MURPHY, KENNETH S., US
[73] HOWMET CORPORATION,
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[54] **PROPELLER**
[54] **HELICE**
[72] LINCH, JONATHON J., US
[72] RAHRIG, KYLE M., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION,
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[54] **SYSTEME ET PROCEDE DE DETECTION DE RUPTURE DE CHAINES DE TRANSPORTEUR A RACLETTES**
[72] LI, WEI, CN
[72] ZHANG, XING, CN
[72] ZHU, ZHENCAI, CN
[72] QIU, MINGQUAN, CN
[72] REN, YONG, CN
[72] ZHOU, GONGBO, CN
[72] PENG, YUXING, CN
[72] CAO, GUOHUA, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
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[25] EN
[54] **RADIATION COOLING/HEAT TRANSFER-BASED METHODS, SENSORS AND SYSTEMS FOR FORECASTING AND/OR DETECTING ACTIVE FROST CONDITIONS**
[54] **PROCEDES, CAPTEURS ET SYSTEMES S'APPUYANT SUR LE TRANSFERT DE CHALEUR/REFROIDISSEMENT PAR RAYONNEMENT POUR PREVOIR ET/OU DETECTER DES CONDITIONS GIVRANTES**
[72] HORRIGAN, JOHN, CA
[73] SUREWX INC.,
[85] 2017-06-12
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[54] **DOUBLE-FLOOR MEMBER**
[54] **ELEMENT DE DOUBLE PLANCHER**
[72] KOBAYASHI, ATSUHIKO, JP
[72] MARUYAMA, KATSURA, JP
[73] SENQCIA CORPORATION,
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[25] EN
[54] **PROCESS FOR DEPHOSPHORIZATION OF MOLTEN METAL DURING A REFINING PROCESS**
[54] **PROCEDE DE DEPHOSPHORISATION DE METAL EN FUSION LORS D'UN PROCEDE DE RAFFINAGE**
[72] NISPEL, MICHAEL, BE
[72] CRINIERE, GUILLAUME, BE
[72] PERRIN, ERIC, FR
[72] CHOPIN, THIERRY, BE
[72] NOLDIN, JOSE, BE
[73] S.A. LHOIST RECHERCHE ET DEVELOPPEMENT,
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[51] **Int.Cl. F24H 9/20 (2006.01) F24H 1/12 (2006.01)**
[25] EN
[54] **COMBUSTION CONTROL SYSTEM OF GAS WATER HEATER OR WALL-HANGING BOILER, AND CONTROL METHOD THEREOF**
[54] **SYSTEME DE COMMANDE DE COMBUSTOR D'UN CHAUFFE-EAU AU GAZ OU D'UNE CHAUDIERE SUSPENDUE AU MUR, ET METHODE DE COMMANDE ASSOCIEE**
[72] QIU, BU, CN
[72] BI, DAYAN, CN
[72] LI, ZHI, CN
[72] CAI, MAOHU, CN
[73] A.O. SMITH(CHINA)WATER HEATER CO., LTD.,
[85] 2017-07-10
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[30] CN (201510379953.8) 2015-07-01

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[51] **Int.Cl. H01R 13/717 (2006.01) H02J 1/00 (2006.01) H04L 12/00 (2006.01)**
[25] EN
[54] **DATA-SECURE CONNECTOR WITH INDICATOR**
[54] **CONNECTEUR DE DONNEES SECURISE DOTE D'UN INDICATEUR**
[72] BYRNE, NORMAN R., US
[72] WARWICK, TIMOTHY J., US
[72] MORROW, NICKOLAS J., US
[73] BYRNE, NORMAN R.,
[86] (2976101)
[87] (2976101)
[22] 2017-08-11
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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **AN ARRANGEMENT, A LOOP-SHAPED SUPPORT, A PROSTHETIC HEART VALVE AND A METHOD OF REPAIRING OR REPLACING A NATIVE HEART VALVE**
[54] **AGENCEMENT, SUPPORT EN FORME DE BOUCLE, VALVULE CARDIAQUE PROTHETIQUE ET PROCEDE DE REPARATION OU DE REMPLACEMENT D'UNE VALVULE CARDIAQUE NATIVE**
[72] KERANEN, OLLI, SE
[73] MEDTENTIA INTERNATIONAL LTD OY,
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[87] (2976233)
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[25] EN
[54] **PRESSURE PERFORATED WELL CASING COLLAR AND METHOD OF USE**
[54] **COLLIER DE TUBAGE DE PUITS PERFORE SOUS PRESSION ET METHODE D'UTILISATION**
[72] DALLAS, L. MURRAY, US
[73] DALLAS, L. MURRAY,
[86] (2978577)
[87] (2978577)
[22] 2017-09-08
[30] CA (15/601,460) 2017-05-22

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[51] **Int.Cl. A61K 31/09 (2006.01) A61K 36/9068 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **ANTI-CANCER ACTIVITY OF (E)-1-(3',4'-DIMETHOXYPHENYL)BUTADIENE**
[54] **ACTIVITE ANTICANCEREUSE DU (E)-1-(3',4'-DIMETHOXYPHENYL)BUTADIENE**
[72] MUHAMMED, MAJEED, US
[72] NAGABHUSHANAM, KALYANAM, US
[73] SAMI LABS LIMITED,
[85] 2017-09-08
[86] 2016-11-24 (PCT/US2016/063725)
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[25] EN
[54] **PAYMENT CARD STORING TOKENIZED INFORMATION**
[54] **CARTE DE PAIEMENT STOCKANT DES INFORMATIONS SEGMENTEES EN UNITES**
[72] RUTHERFORD, BRUCE JOHN, US
[72] LULIC, MARK, US
[73] MASTERCARD INTERNATIONAL INCORPORATED,
[85] 2017-09-08
[86] 2016-03-14 (PCT/US2016/022303)
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[25] EN
[54] **PROVIDING AUGMENTED MESSAGE ELEMENTS IN ELECTRONIC COMMUNICATION THREADS**
[54] **FOURNITURE D'ELEMENTS DE MESSAGES AUGMENTES DANS DES FILS DE DISCUSSION DE COMMUNICATIONS ELECTRONIQUES**
[72] PICKETT, CAMERON JAMES, US
[72] LARSON, PATRICK ANDREW, US
[72] ANDREWS, RUSSELL WILLIAM, US
[73] FACEBOOK, INC.,
[85] 2017-10-10
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[25] EN
[54] **LOW-NOX COMBUSTION METHOD**
[54] **PROCEDE DE COMBUSTION A FAIBLES EMISSIONS DE NOX**
[72] WU, KUANG-TSAI, US
[72] KOBAYASHI, HISASHI, US
[73] PRAXAIR TECHNOLOGY, INC.,
[85] 2017-10-10
[86] 2016-04-11 (PCT/US2016/026864)
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[54] **INCUBATION TRAY**
[54] **CONDUIT D'INCUBATION**
[72] KAFFKA, CHRISTIAN, DE
[73] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG,
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[86] 2015-12-21 (PCT/EP2015/002575)
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[54] **AUDIO DECODER AND METHOD FOR PROVIDING A DECODED AUDIO INFORMATION USING AN ERROR CONCEALMENT MODIFYING A TIME DOMAIN EXCITATION SIGNAL**
[54] **DECODEUR AUDIO ET PROCEDE DE FOURNITURE D'INFORMATIONS AUDIO DECODEES AU MOYEN D'UN MASQUAGE D'ERREURS MODIFIANT UN SIGNAL D'EXCITATION DE DOMAINE TEMPOREL**
[72] LECOMTE, JEREMIE, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[86] (2984066)
[87] (2984066)
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[25] EN
[54] **RELIABLE AFTERMARKET EVENT TICKET TRANSFER: METHOD AND APPARATUS**
[54] **TRANSFERT DE BILLET POUR UN EVENEMENT DE MARCHE SECONDAIRE FIABLE : PROCEDE ET APPAREIL**
[72] GEER, BRADLEY C., US
[73] BLEACHR LLC,
[85] 2017-10-31
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[25] EN
[54] **MULTI-LAYER HYDROGEL CAPSULES FOR ENCAPSULATION OF CELLS AND CELL AGGREGATES**
[54] **CAPSULES D'HYDROGEL MULTICOUCHE POUR L'ENCAPSULATION DE CELLULES ET AGREGATS DE CELLULES**
[72] MA, MINGLIN, US
[72] ANDERSON, DANIEL G., US
[72] LANGER, ROBERT S., US
[72] VEISEH, OMID, US
[72] VEGAS, ARTURO JOSE, US
[72] DOLOFF, JOSHUA CHARLES, US
[72] CHEN, DELAI, US
[72] KASTRUP, CHRISTIAN J., CA
[73] THE CHILDREN'S MEDICAL CENTER CORPORATION,
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/10 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION MACHINE HAVING A DUAL-PURPOSE LID**
[54] **MACHINE DE PREPARATION DE BOISSON COMPORTANT UN COUVERCLE DOUBLE USAGE**
[72] SAUNDERS, TONY, GB
[73] KONINKLIJKE DOUWE EGBERTS B.V.,
[86] (2986398)
[87] (2986398)
[22] 2015-06-23
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[51] **Int.Cl. C03B 23/035 (2006.01) C03B 23/025 (2006.01)**
[25] EN
[54] **OVERPRESSURE-ASSISTED GRAVITY BENDING METHOD AND DEVICE SUITABLE THEREFOR**
[54] **PROCEDE DE BOMBAGE PAR GRAVITE SOUTENU PAR UNE SURPRESSION ET DISPOSITIF APPROPRIE POUR CELUI-CI**
[72] LE NY, JEAN-MARIE, BE
[72] BALDUIN, MICHAEL, DE
[72] SCHALL, GUNTHER, DE
[73] SAINT-GOBAIN GLASS FRANCE,
[85] 2017-11-28
[86] 2016-08-26 (PCT/EP2016/070140)
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[25] EN
[54] **NI-BASED ALLOY PIPE OR TUBE FOR NUCLEAR POWER**
[54] **TUYAU EN ALLIAGE A BASE DE NI DESTINE A L'ENERGIE NUCLEAIRE**
[72] TAKEDA, KIYOKO, JP
[72] KINOMURA, SHOJI, JP
[73] NIPPON STEEL CORPORATION,
[85] 2017-11-28
[86] 2016-06-21 (PCT/JP2016/068366)
[87] (WO2016/208569)
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[51] **Int.Cl. A61B 5/02 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **METHODS AND SYSTEMS USING MATHEMATICAL ANALYSIS AND MACHINE LEARNING TO DIAGNOSE DISEASE**
[54] **PROCEDES ET SYSTEMES UTILISANT UNE ANALYSE MATHEMATIQUE ET L'APPRENTISSAGE AUTOMATIQUE AFIN DE DIAGNOSTIQUER UNE MALADIE**
[72] BURTON, TIMOTHY, CA
[72] RAMCHANDANI, SHYAMLAL, CA
[72] GUPTA, SUNNY, CA
[73] ANALYTICS FOR LIFE INC.,
[85] 2017-12-20
[86] 2016-06-24 (PCT/IB2016/053797)
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[30] US (62/184,796) 2015-06-25

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[25] EN
[54] **HIGH DEFINITION HEATER SYSTEM HAVING A FLUID MEDIUM**
[54] **SYSTEME DE CHAUFFAGE HAUTE DEFINITION A MILIEU FLUIDE**
[72] SMITH, KEVIN ROBERT, US
[72] PTASIENSKI, KEVIN, US
[72] DERLER, RAY ALAN, US
[72] SWANSON, CAL THOMAS, US
[72] SCHMIDT, PHILIP STEVEN, US
[72] NOSRATI, MOHAMMAD, US
[72] LINDLEY, JACOB ROBERT, US
[72] BOLDT, ALLEN NORMAN, US
[72] ZHANG, SANHONG, US
[72] STEINHAUSER, LOUIS P., US
[72] GRIMARD, DENNIS STANLEY, US
[73] WATLOW ELECTRIC MANUFACTURING COMPANY,
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[87] (2991157)
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[51] **Int.Cl. F24S 20/20 (2018.01)**
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[54] **ENCLOSED SOLAR ENERGY UTILIZATION DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME D'UTILISATION D'ENERGIE SOLAIRE ENFERMEE**
[72] HU, XIAOPING, CN
[73] BOLYMEDIA HOLDINGS CO. LTD.,
[85] 2018-01-15
[86] 2015-07-29 (PCT/CN2015/085442)
[87] (WO2017/015901)

[11] **2,994,120**
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[51] **Int.Cl. F04C 13/00 (2006.01) B22D 17/30 (2006.01) F04C 2/08 (2006.01)**
[25] EN
[54] **POSITIVE DISPLACEMENT TRANSFER GEAR PUMP FOR MOLTEN METAL**
[54] **POMPE VOLUMETRIQUE A ENGRENAGE DE TRANSFERT POUR METAL FONDU**
[72] THUT, BRUNO H., US
[73] THUT, BRUNO H.,
[86] (2994120)
[87] (2994120)
[22] 2018-02-07
[30] US (15/431,581) 2017-02-13

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[51] **Int.Cl. F24F 3/06 (2006.01) F24F 11/84 (2018.01)**
[25] EN
[54] **AIR CONDITIONER AND AIR CONDITIONING SYSTEM INCLUDING THE SAME**
[54] **APPAREIL DE CONDITIONNEMENT DE L'AIR ET SYSTEME DE CONDITIONNEMENT DE L'AIR COMPORTANT LEDIT APPAREIL**
[72] KIMURA, KEIICHI, JP
[72] MORITA, MITSUO, JP
[72] ISHIDA, TAKAYUKI, JP
[72] GOTO, KAZUYA, JP
[72] SATO, HIDEKAZU, JP
[73] KIMURA KOHKI CO., LTD.,
[86] (2995017)
[87] (2995017)
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[25] EN
[54] **HYDROPONIC GROWTH SYSTEM AND PLANT TRAY ASSEMBLY THEREOF**
[54] **SYSTEME DE CROISSANCE HYDROPONIQUE ET ENSEMBLE DE PLATEAU ASSOCIE**
[72] FRANCZUZ, BRIAN, CA
[73] RAPIDGROW INDUSTRIES INC.,
[73] RAPIDGROW INDUSTRIES INC.,
[86] (2995788)
[87] (2995788)
[22] 2018-02-21
[30] US (15/899,757) 2018-02-20

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[51] **Int.Cl. E05F 3/10 (2006.01) E05F 3/12 (2006.01)**
[25] EN
[54] **DOOR CLOSER WITH SELF-POWERED CONTROL UNIT**
[54] **MECANISME DE FERMETURE DE PORTE DOTE D'UN MODULE DE COMMANDE AUTONOME**
[72] BURRIS, CHARLES, US
[72] TADLOCK, ROBERT, US
[72] WHITE, JOHN, US
[72] GURLEY, JASON, US
[72] FAES, STEVEN, US
[72] MCGINTY, JOSEPH, US
[72] PATTERSON, WADE, US
[73] YALE SECURITY INC.,
[86] (2999439)
[87] (2999439)
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[30] US (12/761,668) 2010-04-16
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[51] **Int.Cl. B62D 55/00 (2006.01) B62D 55/08 (2006.01) E02F 9/16 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE**
[54] **VEHICULE A CHENILLES**
[72] STEBEN, ERIC, CA
[72] MARLEAU, BENOIT, CA
[73] PRINOTH LTD.,
[86] (3000126)
[87] (3000126)
[22] 2012-08-30
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[25] EN
[54] **RACK FOR A SWITCHGEAR CABINET ARRANGEMENT**
[54] **BATI POUR SYSTEME D'ARMOIRE DE DISTRIBUTION**
[72] REUTER, WOLFGANG, DE
[72] SCHINDLER, TIMO, DE
[72] MULLER, MATTHIAS, DE
[73] RITTAL GMBH & CO. KG,
[85] 2018-03-29
[86] 2016-09-21 (PCT/DE2016/100441)
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[54] **SINGLE-USE INJECTOR OF LOW COST**
[54] **INJECTEUR A USAGE UNIQUE PEU COUTEUX**
[72] QUINN, MICHAEL, US
[73] BECTON, DICKINSON AND COMPANY,
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[87] (3005126)
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[25] EN
[54] **GRADUATED COMPRESSION DEVICE FOR THE TREATMENT OF CIRCULATORY DISORDERS**
[54] **DISPOSITIF DE COMPRESSION GRADUE DESTINE AU TRAITEMENT DE TROUBLES CIRCULATOIRES**
[72] RICHARDSON, THOMAS, US
[72] LIPSHAW, MOSES A., US
[73] CIRCAID MEDICAL PRODUCTS, INC.,
[86] (3006103)
[87] (3006103)
[22] 2014-07-15
[62] 2,917,894
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[13] C
[51] **Int.Cl. E05B 15/02 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **A DOOR STRIKE HAVING A KICKER AND AN ADJUSTABLE DEAD LATCH RELEASE**
[54] **GACHE DE PORTE POURVUE D'UN EVACUATEUR ET D'UN DISPOSITIF DE LIBERATION REGLABLE A PENE DEMI-TOUR A CRAN D'ARRET**
[72] SCHEFFLER, DOMINIK, US
[72] SULLIVAN, SCOTT, US
[73] HANCHETT ENTRY SYSTEMS, INC.,
[86] (3010376)
[87] (3010376)
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[54] **COOKING GRILL WITH IR BURNER**
[54] **GRILL DE CUISSON A BRULEUR IR**
[72] WENZEL, HANS F., US
[72] MOY, CHRIS, US
[72] DENG, ERIC, US
[73] HESTAN COMMERCIAL CORPORATION,
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[25] EN
[54] **CATALYSTS AND METHODS FOR PRODUCING PROPYLENE FROM ETHYLENE AND BUTENE**
[54] **CATALYSEURS ET PROCEDES DE PRODUCTION DE PROPYLENE A PARTIR D'ETHYLENE ET DE BUTENE**
[72] ZHANG, LEI, US
[72] WHITE, DANIEL F., US
[73] LYONDELL CHEMICAL TECHNOLOGY, L.P.,
[85] 2018-07-24
[86] 2017-01-24 (PCT/US2017/014749)
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[25] EN
[54] **METHOD OF MANUFACTURING A THERMOSET POLYMER UTILITY VAULT LID**
[54] **METHODE DE FABRICATION D'UN COUVERCLE DE VOUTE UTILITAIRE EN POLYMERE THERMOFIXE**
[72] BURKE, EDWARD J., US
[72] ATKINS, THOMAS, US
[72] BEACH, BRIAN ANTHONY, US
[72] GWILLIM, ROBERT, US
[72] NEATE, JOHN A., US
[73] CHANNELL COMMERCIAL CORPORATION,
[73] PRC COMPOSITES, LLC,
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[51] **Int.Cl. B61H 1/00 (2006.01) B61H 13/34 (2006.01) F16D 65/06 (2006.01)**
[25] EN
[54] **DEBRIS ERADICATING BRAKE HEAD FOR A TRUCK MOUNTED BRAKE SYSTEM**
[54] **TETE DE FREIN A ELIMINATION DE DEBRIS POUR UN SYSTEME DE FREINAGE MONTE SUR CAMION**
[72] KOZIOL, MICHAEL, US
[72] NATSCHKE, SCOTT LEE, US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION,
[85] 2018-09-18
[86] 2016-11-16 (PCT/US2016/062231)
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[51] **Int.Cl. B65H 75/34 (2006.01) G02B 6/46 (2006.01)**
[25] EN
[54] **RETRACTABLE FIBER OPTIC REEL ASSEMBLY**
[54] **ENSEMBLE BOBINE DE FIBRE OPTIQUE RETRACTABLE**
[72] ALFORD, JOHN, US
[72] GAZDIC, CHRISTOPHER, US
[73] KONNECTRONIX, INC.,
[85] 2018-10-16
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[54] **DEPLOIEMENT D'UNE RESSOURCE DE RESEAU SUR LA BASE D'UNE STRUCTURE DE CONFINEMENT**
[72] KIM, CHANWOOK, US
[72] OWEN, JAMES, US
[72] BANAJI, VANI, US
[72] KIBEL, DANNY, US
[72] CHALLENGER-LEE, CHRISTIAN, US
[72] IVATURI, KASHYAP, US
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[54] **FURNITURE MEMBER AND POWER LIFT MECHANISM**
[54] **ELEMENT DE MOBILIER ET MECANISME D'ELEVATION ELECTRIQUE**
[72] LAPOINTE, LARRY P., US
[73] LA-Z-BOY INCORPORATED,
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[54] **METHODS AND APPARATUS THAT INCREASE SEQUENCING-BY-BINDING EFFICIENCY**
[54] **METHODES ET APPAREIL QUI AUGMENTENT L'EFFICACITE DE SEQUENCAGE PAR LIAISON**
[72] STROMBERG, SEAN, US
[72] VIECELI, JOHN, US
[72] VIJAYAN, KANDASWAMY, US
[72] OLIPHANT, ARNOLD, US
[73] OMNIOME, INC.,
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[54] **CLOSED-LOOP MULTI-STAGE CHILLED FILTER SYSTEM**
[54] **SYSTEME DE FILTRE REFROIDI MULTIETAGE A BOUCLE FERMEE**
[72] KO, RYAN DELMORAL, CA
[73] NEXTLEAF SOLUTIONS LTD.,
[86] (3023563)
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[22] 2018-11-08
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[54] **A CINCHING CORD FOR IMPLANTATION INTO A CARDIAC VALVE ANNULUS**
[54] **CORDON DE SERRAGE A IMPLANTER DANS UN ANNEAU DE VALVE CARDIAQUE**
[72] ALON, DAVID, IL
[72] KORMAN, DROR, IL
[73] CARDIAC IMPLANTS LLC,
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[54] **BOX WITH IMPROVED GRIPPING FUNCTIONALITY**
[54] **BOITE AYANT UNE FONCTIONNALITE DE PRISE AMELIOREE**
[72] BITOWFT, BRUCE, US
[73] S.C. JOHNSON & SON, INC.,
[86] (3024658)
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[54] **MICROWAVE COFFEE-MAKER**
[54] **CAFETIERE POUR FOUR A MICRO-ONDES**
[72] SWARTZ, GARY I, CA
[73] SWARTZ, GARY I,
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[54] **SYSTEM, APPARATUS AND METHOD FOR DETECTING WIRELINE TOOLS**
[54] **SYSTEME, APPAREIL ET PROCEDE DESTINES A LA DETECTION D'OUTILS FILAIRES**
[72] MARTIN, BRADLEY ROBERT, CA
[72] CARLSON, AARON MITCHELL, CA
[73] INTELLIGENT WELLHEAD SYSTEMS INC.,
[85] 2019-01-04
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[54] **FLEXIBLE ELECTRICAL CONNECTORS FOR ELECTROLYTIC CELLS**
[54] **CONNECTEURS ELECTRIQUES FLEXIBLES POUR CELLULES ELECTROLYTIQUES**
[72] PEAREN, DALE MACKENZIE, CA
[72] JASTRZEBSKI, MACIEJ, CA
[72] SHAHRIARI, BIJAN, CA
[73] HATCH LTD.,
[85] 2019-01-29
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[54] **HELMET WITH TRANSFORMABLE JAW PROTECTING STRUCTURE BASED ON GEAR CONSTRAINT**
[54] **CASQUE AYANT UNE STRUCTURE DE MENTONNIERE A REGLAGE COMMANDE PAR ENGRENAGE**
[72] LIAO, HAOTIAN, CN
[72] FENG, YOUJUN, CN
[73] JIANGMEN PENGCHENG HELMETS LTD.,
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[54] **MODULAR SCREED PLATE ASSEMBLY AND METHOD OF ASSEMBLING A SCREED PLATE**
[54] **ENSEMBLE DE PLAQUE D'EXTRUSION MODULAIRE ET METHODE D'ASSEMBLAGE DE PLAQUE D'EXTRUSION**
[72] FROST, STUART ANTHONY, US
[72] FROST, DAVID MICHAEL, JR., US
[73] FOUR F'S, LLC,
[86] (3035748)
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[54] **THE HANDHELD SPINNER DEVICE**
[54] **LE DISPOSITIF DE ROUE A AILETTES TENU A LA MAIN**
[72] CASTRO-VILLANUEVA, JUAN CARLOS, CA
[73] CASTRO-VILLANUEVA, JUAN CARLOS,
[86] (3039638)
[87] (3039638)
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[54] **TRANSITIONING PATIENTS FROM VORTIOXETINE TO A MONOAMINE OXIDASE INHIBITOR**
[54] **MISE EN TRANSITION DE PATIENTS DE LA VORTIOXETINE A UN INHIBITEUR DE MONOAMINE OXYDASE**
[72] SRINIVASAN, SUNDAR, US
[72] CHOW, CHRISTINA, US
[73] RUNDLE RESEARCH, LLC,
[85] 2019-06-21
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[54] **SCHEDULER APPARATUS AND SCHEDULING METHOD**
[54] **APPAREIL PLANIFICATEUR ET METHODE DE PLANIFICATION**
[72] TSUZAKI, SHOGO, JP
[72] MOTOYOSHI, KATSUYUKI, JP
[72] TANI, SHIGENORI, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
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[54] **CHANGER LA TONALITE D'UN ACCORDEON EN 20 SECONDES**
[72] INCONNU, XX
[71] MARTEL, YVON, CA
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[25] EN
[54] **METHOD AND APPARATUS TO ADAPT A REAR SUSPENSION**
[54] **METHODE ET APPAREIL D`ADAPTATION DE SUSPENSION ARRIERE**
[72] MOOKER-MAHADEV, PINDZ, CA
[71] MOOKER-MAHADEV, PINDZ, CA
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[54] **APPARATUS FOR SIMULATING MOVEMENT IN A VIRTUAL REALITY ENVIRONMENT**
[54] **APPAREIL DE SIMULATION DU MOUVEMENT DANS UN ENVIRONNEMENT DE REALITE VIRTUELLE**
[72] QUACKENBUSH, ERIK C., CA
[71] HUD STUDIOS INC., CA
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[51] **Int.Cl. A62C 35/68 (2006.01)**
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[54] **FIRE SPRINKLER SHUT OFF TOOL**
[54] **OUTIL D`ARRET DES GICLEURS D`INCENDIE**
[72] UNKNOWN, XX
[71] SCARPUZZI, MATTHEW T., US
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[72] JULIAN-LENTON, PAULA O., CA
[71] JULIAN-LENTON, PAULA O., CA
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[25] EN
[54] **BI-DIRECTIONAL FORCE SENSOR**
[54] **DETECTEUR DE FORCE BIDIRECTIONNELLE**
[72] QUACKENBUSH, ERIK C., CA
[71] HUD STUDIOS INC., CA
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[25] EN
[54] **CLOUD BASED SYSTEM TO ENABLE ENHANCED CONTROL OF BUILDING ENTRY INTERCOM SYSTEMS**
[54] **SYSTEME INFONUAGIQUE PERMETTANT UN CONTROLE AMELIORE DES SYSTEMES D`INTERCOMMUNICATION D`ENTREE DE BATIMENT**
[72] PERLMAN, BENJAMIN P., CA
[71] PERLMAN, BENJAMIN P., CA
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[54] **ADJUSTABLE ADD-ON APPARATUSES FOR A SWITCH AND ASSOCIATED METHODS**
[54] **APPAREILS D`AJOUT AJUSTABLES DESTINES A UN INTERRUPTEUR ET METHODES ASSOCIEES**
[72] DOBI, STEVAN, CA
[71] PITYU CONTROLS INC., CA
[22] 2018-06-08
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[51] **Int.Cl. G21C 17/017 (2006.01) B01D 53/02 (2006.01) C21D 3/06 (2006.01) C23F 15/00 (2006.01)**
[25] EN
[54] **A METHOD FOR PREVENTION OF INGRESS OF HYDROGEN ISOTOPES AND THEIR REMOVAL FROM COMPONENTS MADE FROM HYDRIDE FORMING METALS AND ALLOYS**
[54] **UNE METHODE DE PREVENTION DE L`AFFLUX D`ISOTOPES D`HYDROGENE ET LEUR EXTRACTION DE COMPOSANTES FAITE DE METAUX ET D`ALLIAGES DE FORMAGE HYBRIDE**
[72] MCRAE, GLENN ALDON, CA
[72] COLEMAN, CHRISTOPHER EDWARD, CA
[72] LANGILLE, SCOTT THOMAS, CA
[71] CARLETON UNIVERSITY, CA
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[54] **SYSTEM, DEVICE AND METHOD FOR ENFORCING PRIVACY DURING A COMMUNICATION SESSION WITH A VOICE ASSISTANT**
[54] **SYSTEME, DISPOSITIF, METHODE DE MISE EN APPLICATION DE LA CONFIDENTIALITE PENDANT UNE SESSION DE COMMUNICATION AVEC UN ASSISTANT VOCAL**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] NAIRN, PETER GLEN, CA
[72] HOOD, EDWARD JAMES, CA
[72] LOZON, MARTIN ALBERT, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[71] THE TORONTO-DOMINION BANK, CA
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[51] **Int.Cl. A61F 9/007 (2006.01) A61B 1/32 (2006.01)**
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[54] **SCLERAL DEPRESSION MECHANICAL ASSISTANT DEVICE**
[54] **DISPOSITIF D`AIDE MECANIQUE POUR DEPRESSION SCLERALE**
[72] KAPUSTA, MICHAEL ALTON, CA
[72] GRANE, NATALIA VILA, CA
[72] WILSON, JEAN-LAURENT, CA
[71] KAPUSTA, MICHAEL ALTON, CA
[71] GRANE, NATALIA VILA, CA
[71] WILSON, JEAN-LAURENT, CA
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[54] **DATA VISUALIZATION PLATFORM FOR EVENT-BASED BEHAVIOR CLUSTERING**
[54] **PLATEFORME DE VISUALISATION DE DONNEES DESTINEE AU GROUPEMENT DE COMPORTEMENTS FONDES SUR UN EVENEMENT**
[72] ANDRITSOS, PERIKLIS, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **BRACE FOR A POST**
[54] **SUPPORT DE MONTANT**
[72] TERSIGNI, DONATO, CA
[71] CINDON DEVELOPMENTS INC., CA
[22] 2018-06-11
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[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USER IDENTIFICATION AND AUTHENTICATION**
[54] **SYSTEME ET METHODE D`IDENTIFICATION ET D`AUTHENTIFICATION D`UTILISATEUR**
[72] BERROD, OLIVIER, CA
[72] SEBASTIEN, CHRISTOPHER, CA
[71] BANQUE NATIONALE DU CANADA, CA
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[41] 2019-12-08

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[51] **Int.Cl. H04L 12/951 (2013.01) H04B 10/27 (2013.01) H04B 1/40 (2015.01) H04J 3/00 (2006.01) H04L 9/18 (2006.01) H04L 27/00 (2006.01)**
[25] EN
[54] **VIRAL MOLECULAR NETWORK ARCHITECTURE AND DESIGN**
[54] **ARCHITECTURE ET CONCEPTION D`UN RESEAU MOLECULAIRE VIRAL**
[72] FORDE, RICHARD A., US
[72] GRAY, DARRYL L., US
[71] ATTOBAHN, INC., US
[22] 2018-06-12
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[51] **Int.Cl. H04L 9/16 (2006.01) H04L 9/06 (2006.01)**
[25] EN
[54] **SYSTEM FOR SECURE ARBITRARY DATA TRANSPORT**
[54] **SYSTEME DE SECURISATION DE TRANSPORT DE DONNEES ARBITRAIRES**
[72] BEUKEBOOM, GARETT, CA
[72] TANNER, PETER, CA
[71] TELUS COMMUNICATIONS INC., CA
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[51] **Int.Cl. E01H 4/02 (2006.01) E01H 5/06 (2006.01)**
[25] EN
[54] **FLEXIBLE WING APPARATUS AND METHOD**
[54] **APPAREIL D`AILE FLEXIBLE ET METHODE**
[72] VACHON, FRANCOIS, CA
[71] DUCHESNE, ALAIN, CA
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[51] **Int.Cl. C02F 1/72 (2006.01) C01G 9/02 (2006.01) C01G 23/047 (2006.01) C02F 1/30 (2006.01) C02F 1/32 (2006.01)**
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[54] **SYNTHESIS AND APPLICATIONS OF "NANO WATER" AND ITS ULTRA-VIOLET SPECTROSCOPY ABSORBANCE CHARACTERISTICS AT 230NM, 235NM AND 280NM**
[54] **SYNTHESE ET APPLICATIONS DE « NANO EAU » ET SES CARACTERISTIQUES D`ABSORBANCE PAR SPECTROSCOPIE ULTRAVIOLETTE A 230 NM, 235 NM ET 280 NM**
[72] LEUNG, DAVID DL, CA
[71] LEUNG, DAVID DL, CA
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[51] **Int.Cl. H04L 12/16 (2006.01)**
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[54] **VOICE ASSISTANCE DIRECTION**
[54] **DIRECTION D`ASSISTANCE VOCALE**
[72] KURUVILLA, DENNY DEVASIA, CA
[72] LALKA, VIPUL KISHORE, CA
[72] DICKIE, PAIGE ELYSE, CA
[72] PANAG, HARJOT, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[72] VAN EESBEEK, MICHAEL W., CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **THE X-RAY FILM AND WAND CARRIER**
[54] **LE PORTE-FILM ET BALAI A RAYONS X**
[72] BRAMHAM, JASON R., CA
[71] BRAMHAM, JASON R., CA
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[54] **RECHARGEABLE BATTERY CONVERSION KIT FOR LEGO MINDSTORMS INTELLIGENT BRICK**
[54] **TROUSSE DE CONVERSION DE BATTERIE RECHARGEABLE DESTINEE A DES BRIQUES INTELLIGENTES MINDSTORMS LEGO**
[72] WANG, ZHIJIAN, CA
[71] WANG, ZHIJIAN, CA
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[25] EN
[54] **LINER WITH ANTI-MICROBIAL AND/OR ANTI-FUNGAL AGENT**
[54] **REVETEMENT INTERIEUR RENFERMANT UN AGENT ANTIMICROBIEN OU UN AGENT ANTIFONGIQUE**
[72] KOHN, STEVE, US
[72] RIGAZIO, AMY, US
[71] KOHN, STEVE, US
[71] RIGAZIO, AMY, US
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[41] 2019-12-14

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[25] EN
[54] **WIRELESS CHARGING SYSTEM FOR SMARTDEVICES, KIT AND METHOD FOR USING THE SAME**
[54] **SYSTEME DE RECHARGE SANS FIL DESTINE A DES DISPOSITIFS INTELLIGENTS, TROUSSE ET METHODE D`UTILISATION ASSOCIEES**
[72] DESHAIES, PATRICK, CA
[71] MOBLEK INC., CA
[22] 2018-06-13
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[51] **Int.Cl. H04W 40/04 (2009.01) H04W 4/12 (2009.01) H04W 40/12 (2009.01) H04W 88/02 (2009.01) H04W 4/90 (2018.01) H02J 7/00 (2006.01)**
[25] EN
[54] **CELLULAR TELEPHONE BATTERY POWER AUGMENTATION ACCESSORY WITH SATELLITE BACKUP COMMUNICATION LINK**
[54] **ACCESSOIRE D`AUGMENTATION DE LA PUISSANCE DE BATTERIE D`UN TELEPHONE CELLULAIRE DOTE D`UN LIEN DE COMMUNICATION DE SECOURS SATELLITE**
[72] TESSIER, THOMAS R., CA
[71] TESSIER, THOMAS R., CA
[22] 2018-06-14
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[51] **Int.Cl. A01G 9/029 (2018.01)**
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[54] **STACKABLE GROW POT SYSTEM**
[54] **SYSTEME DE POT DE CROISSANCE EMPILABLE**
[72] OLIVER, JOEL, CA
[71] OLIVER, JOEL, CA
[22] 2018-06-14
[41] 2019-12-13
[30] US (16007881) 2018-06-13

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[51] **Int.Cl. E05C 19/08 (2006.01) A47B 81/00 (2006.01) E05B 65/48 (2006.01)**
[25] EN
[54] **LOCKER, LOCKER DOOR ASSEMBLY, AND HASP ASSEMBLY FOR A LOCKER**
[54] **CASIER, ASSEMBLAGE DE PORTE DE CASIER ET ASSEMBLAGE DE MORAILLON D`UN CASIER**
[72] MARCHL, THOMAS, CA
[71] MAJOR PARTITIONS LTD., CA
[22] 2018-06-14
[41] 2019-12-14

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[51] **Int.Cl. B32B 5/26 (2006.01) B32B 27/12 (2006.01) E04F 15/18 (2006.01) E04F 15/20 (2006.01)**
[25] EN
[54] **FLOORING MAT WITH ENTANGLED FILAMENT STRUCTURE**
[54] **TAPIS DE REVETEMENT DE PLANCHER COMPORTANT UNE STRUCTURE DE FILAMENTS ENCHEVETRES**
[72] HASCHER, LORI, US
[72] MATHIS, JAMES, US
[72] PATEL, JIGNESH, US
[72] COLLISON, ALAN, US
[71] LOW & BONAR INC., US
[71] MP GLOBAL PRODUCTS LLC, US
[22] 2018-06-15
[41] 2019-12-14
[30] US (16/008,734) 2018-06-14

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[51] **Int.Cl. G16H 20/70 (2018.01) G02B 27/01 (2006.01) G10L 15/00 (2013.01)**
[25] EN
[54] **VIRTUAL REALITY SOFTWARE SYSTEM AND METHOD**
[54] **SYSTEME LOGICIEL DE REALITE VIRTUELLE ET METHODE**
[72] LABRON, ROBERT, CA
[72] CLARK-WHITE, KIMBERLEY, CA
[71] LABRON, ROBERT, CA
[71] CLARK-WHITE, KIMBERLEY, CA
[22] 2018-06-15
[41] 2019-12-14
[30] US (16008981) 2018-06-14

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[51] **Int.Cl. B64D 27/00 (2006.01) B64C 27/00 (2006.01) B64D 27/26 (2006.01)**
[25] EN
[54] **MONOLITHIC TRANSMISSION SUPPORT FOR ROTORCRAFT**
[54] **SUPPORT DE TRANSMISSION MONOLITHIQUE DESTINE A UN GIRAVION**
[72] BOISVERT, OLIVIER ANDRE, CA
[72] MORRIS, KEVIN DONALD, CA
[72] DUVAL, SEBASTIEN, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2018-06-15
[41] 2019-12-11
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[51] **Int.Cl. G06F 15/00 (2006.01) A63F 13/00 (2014.01) G06F 7/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVED PERFORMANCE OF A VIDEO GAME ENGINE**
[54] **METHODE ET SYSTEME DE RENDEMENT AMELIORE D`UN MOTEUR DE JEU VIDEO**
[72] ANTE, JOACHIM CHRISTOPH, DK
[72] JOHANSSON, TIM, SE
[71] UNITY IPR APS, DK
[22] 2018-06-20
[41] 2019-12-12
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[25] EN
[54] **SLINGSHOT SIDE SADDLE SUBSTRUCTURE**
[54] **SOUS-STRUCTURE DE SELLE COTE TOUR ERIGEE HYDRAULIQUEMENT**
[72] GUPTA, ASHISH, US
[72] ABARCA, ENRIQUE, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2018-06-26
[41] 2019-12-12
[30] US (16/006248) 2018-06-12

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[51] **Int.Cl. F24C 1/02 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL OVEN**
[54] **FOUR MULTIFONCTIONNEL**
[72] LIEN, HUNG MEI, CN
[71] MOR DESIGNS LTD., CN
[22] 2018-07-27
[41] 2019-12-13
[30] CN (201820917311.8) 2018-06-13

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[51] **Int.Cl. H01L 31/02 (2006.01) H01L 31/0224 (2006.01) H01L 31/0232 (2014.01) H01L 31/18 (2006.01)**
[25] EN
[54] **SOLAR CELL AND MANUFACTURING METHOD THEREFOR**
[54] **PILE SOLAIRE ET METHODE DE FABRICATION ASSOCIEE**
[72] ZHANG, PENGJU, CN
[72] LI, SHENGCHUN, CN
[72] TAN, XIAOTIAN, CN
[72] YU, ZHIJIAN, CN
[72] SU, ZHIQIAN, CN
[72] ZHANG, YU, CN
[71] HANERGY NEW MATERIAL TECHNOLOGY CO., LTD., CN
[22] 2018-08-07
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[30] CN (201820893330.1) 2018-06-08

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[51] **Int.Cl. E04F 15/10 (2006.01)**
[25] FR
[54] **DURABLE MODULAR FLOOR FOR SMALL HOME**
[54] **PLANCHER MODULAIRE DURABLE POUR PETITE HABITATION**
[72] DE LADURANTAYE, YVON, CA
[71] DE LADURANTAYE, YVON, CA
[22] 2018-06-14
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[13] A1
[51] **Int.Cl. H04L 12/12 (2006.01) G06F 21/60 (2013.01) H04L 9/06 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICE AND METHOD FOR ENFORCING PRIVACY DURING A COMMUNICATION SESSION WITH A VOICE ASSISTANT**
[54] **SYSTEMES, DISPOSITIF, METHODE DE MISE EN APPLICATION DE LA CONFIDENTIALITE PENDANT UNE SESSION DE COMMUNICATION AVEC UN ASSISTANT VOCAL**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] NAIRN, PETER GLEN, CA
[72] HOOD, EDWARD JAMES, CA
[72] LOZON, MARTIN ALBERT, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-27
[41] 2019-12-08
[30] US (16/003,691) 2018-06-08
[30] CA (3,007,707) 2018-06-08

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[25] EN
[54] **CASEMENT WINDOW OPERATOR**
[54] **DISPOSITIF FONCTIONNEL DE FENETRE A BATTANT**
[72] GUELCK, VOLKER, CA
[71] PLY GEM INDUSTRIES, INC., US
[22] 2018-10-01
[41] 2019-12-13
[30] US (16/007,684) 2018-06-13

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[51] **Int.Cl. E21B 23/06 (2006.01) E21B 23/00 (2006.01) E21B 33/12 (2006.01) E21B 43/11 (2006.01)**
[25] EN
[54] **MODULAR FORCE MULTIPLIER FOR DOWNHOLE TOOLS**
[54] **MULTIPLICATEUR DE FORCE MODULAIRE DESTINE AUX OUTILS DE FOND DE TROU**
[72] HRUPP, JOZE J., US
[72] DALLAS, LLOYD M., US
[71] EXACTA-FRAC ENERGY SERVICES, INC., US
[22] 2018-12-17
[41] 2019-12-11
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[51] **Int.Cl. E04B 1/62 (2006.01) B66B 11/02 (2006.01) E04C 2/30 (2006.01) E04B 1/98 (2006.01)**
[25] EN
[54] **ELEVATOR CAB WALL PROTECTION PANEL AND USE THEREOF**
[54] **PANNEAU DE PROTECTION DE PAROI DE CABINE D`ASCENSEUR ET UTILISATION ASSOCIEE**
[72] GETTLING, DEBRA C., CA
[71] GETTLING, DEBRA C., CA
[22] 2019-01-08
[41] 2019-12-12
[30] US (62683911) 2018-06-12

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[13] A1
[51] **Int.Cl. G06F 17/18 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD OF PRE-PROCESSING DISCRETE DATASETS FOR USE IN MACHINE LEARNING**
[54] **SYSTEME ET METHODE DE PRETRAITEMENT D`ENSEMBLES DE DONNEES DISCRETS DESTINES A L`APPRENTISSAGE MACHINE**
[72] UNGER, ANDRE J., CA
[72] ENOUY, ROBERT WILLIAM, CA
[71] UNGER, ANDRE J., CA
[71] ENOUY, ROBERT WILLIAM, CA
[22] 2019-02-11
[41] 2019-12-11
[30] US (62/683,304) 2018-06-11

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[21] **3,034,830**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) H04W 28/14 (2009.01)**
[25] EN
[54] **VALIDATION OF TEST RESULTS IN NETWORK TESTING**
[54] **VALIDATION DE RESULTATS DE TEST DES TESTS DE RESEAU**
[72] RONDEAU, MARC, CA
[72] PROCTOR, MICHAEL, CA
[71] EXFO INC., CA
[22] 2019-02-25
[41] 2019-12-14
[30] US (62685259) 2018-06-14

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[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06F 17/00 (2019.01)**
[25] EN
[54] **CHANGE DATA DRIVEN TACTILE RESPONSE**
[54] **REPONSE TACTILE ENTRAINEE PAR DES DONNEES DE CHANGEMENT**
[72] BLAND, DENNIS WAYNE, US
[72] CHAMPION, NOVEMBER MICHELLE, US
[72] CSENGODY, BETH ERIN, US
[72] MOSELEY, WENDI M., US
[72] SIDAROUS, JONATHAN PAUL, US
[72] SIMPSON, JEFFREY THOMAS, US
[72] WATERS, SARAH ELIZABETH GRIES, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-02-26
[41] 2019-12-08
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[51] **Int.Cl. B08B 9/093 (2006.01) A47L 15/00 (2006.01) B01D 43/00 (2006.01) B08B 3/02 (2006.01)**
[25] EN
[54] **CASE WASHERS HAVING SIDEHILL SCREEN ASSEMBLIES**
[54] **LAVEUSES DE BOITIERS COMPORTANT DES DISPOSITIFS DE FILTRES LATERAUX**
[72] LEVINE, DOUGLAS, US
[71] CANNON EQUIPMENT LLC, US
[22] 2019-03-07
[41] 2019-12-14
[30] US (62/684,962) 2018-06-14
[30] US (16/292,631) 2019-03-05

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[51] **Int.Cl. A47C 3/026 (2006.01) A47C 1/032 (2006.01) A47C 7/14 (2006.01)**
[25] EN
[54] **OFFICE CHAIR WITH SYNCHRONOUSLY MOVABLE BACKREST AND SEAT**
[54] **CHAISE DE BUREAU EQUIPEE D`UN DOSSIER ET D`UN SIEGE DEPLACABLES DE MANIERE SYNCHRONISEE**
[72] COSTAGLIA, MASSIMO, IT
[71] REXSITT ITALIA S.R.L., IT
[22] 2019-03-13
[41] 2019-12-14
[30] IT (202018000002761) 2018-06-14

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[51] **Int.Cl. B62D 63/06 (2006.01) B60P 3/355 (2006.01) B60S 9/02 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **HOLIDAY TRAILER**
[54] **REMORQUE DE VACANCES**
[72] DUTHIE, ANDREW, CA
[71] PIKA TENT TRAILERS INC., CA
[22] 2019-03-14
[41] 2019-12-08
[30] US (62/682445) 2018-06-08

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[51] **Int.Cl. F03B 13/00 (2006.01) F03G 7/10 (2006.01) H02K 5/10 (2006.01) H02K 7/116 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **PORTABLE SELF-CONTAINED MULTI-FLUID ELECTRICAL GENERATOR**
[54] **GENERATEUR ELECTRIQUE MULTIFLUIDE AUTONOME PORTATIF**
[72] KROBOTH, ANTHONY F., US
[71] KROBOTH, ANTHONY F., US
[22] 2019-03-26
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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G07F 9/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR RECALL COMPLIANCE AT A VENDING MACHINE**
[54] **SYSTEMES ET METHODE DE RAPPEL DE CONFORMITE D`UNE MACHINE DISTRIBUTRICE**
[72] SAUNDERS, LUKE, US
[72] KARMANI, RAJESH KUMAR, US
[71] ROMAINE EMPIRE, INC., US
[22] 2019-03-28
[41] 2019-12-13
[30] US (62/684.342) 2018-06-13
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/02 (2012.01) G07F 9/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RESERVATIONS AT A VENDING MACHINE**
[54] **SYSTEMES ET METHODE DE RESERVATIONS D`UNE MACHINE DISTRIBUTRICE**
[72] SAUNDERS, LUKE, US
[72] KARMANI, RAJESH KUMAR, US
[71] ROMAINE EMPIRE, INC., US
[22] 2019-03-28
[41] 2019-12-13
[30] US (62/684,342) 2018-06-13
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[51] **Int.Cl. E04B 1/00 (2006.01) E04B 1/38 (2006.01) E04F 21/18 (2006.01)**
[25] EN
[54] **ATTACHMENT OF FURRING STRIPS TO FLOOR JOISTS**
[54] **ACCESSOIRES D`AJUSTEMENT DE BANDES A DES POUTRES DE PLANCHER**
[72] SWINEA, JOSEPH L., US
[72] MILLER, GARY, US
[72] POSPISIL, FRANK, US
[72] ULLETT, JAMES, US
[71] UNITED STATES GYPSUM COMPANY, US
[22] 2019-04-02
[41] 2019-12-13
[30] US (62/684354) 2018-06-13
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[25] EN
[54] **TUMBLER LID**
[54] **COUVERCLE DE GOBELET**
[72] SPIVEY, PATRICK, US
[72] KREAFLE, KENNETH, US
[71] BASE BRANDS, LLC, US
[22] 2019-04-04
[41] 2019-12-12
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[51] **Int.Cl. A01D 34/40 (2006.01) A01D 57/20 (2006.01)**
[25] EN
[54] **COMPONENT AND METHOD FOR CROP RAMP AND BELT SUPPORT**
[54] **COMPOSANTE ET METHODE DE SUPPORT DE COURROIE ET RAMPE DE RECOLTE**
[72] MODAK, SHREYAS P., IN
[72] SCHULER, MARK A., US
[71] DEERE & COMPANY, US
[22] 2019-04-08
[41] 2019-12-11
[30] US (16/005,475) 2018-06-11

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[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/20 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SEMI-PRIVATE BLOCKCHAIN VIRTUAL CURRENCY EXCHANGE SYSTEMS**
[54] **SYSTEMES D`ECHANGE DE DEVISE VIRTUELLE A CHAINE DE BLOCS SEMI-PRIVEE**
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-04-09
[41] 2019-12-14
[30] US (16/008,606) 2018-06-14

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[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01)**
[25] EN
[54] **HEMOSTAT-STYLE ULTRASONIC SURGICAL INSTRUMENT WITH CLAMP FORCE-LIMITING FEATURE**
[54] **INSTRUMENT CHIRURGICAL ULTRASONIQUE DE TYPE HEMOSTATIQUE DOTE D`UNE FONCTIONNALITE DE LIMITE DE FORCE DE PINCE**
[72] COWLEY, MATTHEW S., US
[71] COVIDIEN LP, US
[22] 2019-04-16
[41] 2019-12-13
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[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **COMMODITY METERING SYSTEM FOR WORK VEHICLE WITH ROLLERS IN STAGGERED ARRANGEMENT**
[54] **SYSTEME DE MESURE DE PRODUITS DESTINE A UN VEHICULE DE TRAVAIL A ROULEAUX DANS UN ARRANGEMENT EMPILE**
[72] HARMON, ANDREW W., US
[72] FRASIER, MICHAEL E., US
[72] CASPER, ROBERT T., US
[72] GRAHAM, WILLIAM DOUGLAS, US
[71] DEERE & COMPANY, US
[22] 2019-04-25
[41] 2019-12-13
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[51] **Int.Cl. G01S 17/95 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING CLOUD PARAMETERS**
[54] **SYSTEMES ET METHODE DE MESURE DES PARAMETRES DES NUAGES**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-04-25
[41] 2019-12-14
[30] US (16/008,833) 2018-06-14

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[51] **Int.Cl. G01R 31/02 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IDENTIFYING A CONNECTION PATH BETWEEN A POWER SOURCE AND A LOAD**
[54] **METHODES ET SYSTEMES D`IDENTIFICATION D`UN CHEMIN DE CONNEXION ENTRE UNE SOURCE D`ALIMENTATION ET UNE CHARGE**
[72] KLABA, MIROSLAW PIOTR, FR
[71] OVH, FR
[22] 2019-04-29
[41] 2019-12-08
[30] EP (18315010.1) 2018-06-08

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[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60J 11/08 (2006.01)**
[25] EN
[54] **RACK OF UNITARY ONE-PIECE CONSTRUCTION**
[54] **SUPPORT DE CONSTRUCTION MONOPIECE UNITAIRE**
[72] MAYNARD, LYMAN, CA
[72] PRIDMORE, JASON, CA
[72] LAYFIELD, BRIAN, CA
[71] ISABREM LTD., CA
[22] 2019-04-30
[41] 2019-12-13
[30] US (62/684,450) 2018-06-13

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[13] A1
[51] **Int.Cl. H04B 17/309 (2015.01) H04L 12/855 (2013.01) H04B 7/24 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A RADIO TRANSMISSION SYSTEM, AND ARRANGEMENT OF A RADIO TRANSMISSION SYSTEM**
[54] **METHODE D`EXPLOITATION DE SYSTEME DE TRANSMISSION RADIO, ET ARRANGEMENT DE SYSTEME DE TRANSMISSION RADIO**
[72] MZYK, RAPHAEL, DE
[72] PETKOV, HRISTO, DE
[72] KAUPPERT, THOMAS, DE
[72] GOTTSCHALK, KLAUS, DE
[71] DIEHL METERING SYSTEMS GMBH, DE
[22] 2019-05-02
[41] 2019-12-08
[30] DE (102018004567.7) 2018-06-08
[30] DE (102018004815.3) 2018-06-19

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[51] **Int.Cl. A01C 5/06 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **ADJUSTABLE CLOSING SYSTEM**
[54] **SYSTEME DE FERMETURE AJUSTABLE**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[72] STANHOPE, TREVOR, US
[72] LANDOLT, DARIAN E., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-05-06
[41] 2019-12-12
[30] US (16/006,360) 2018-06-12

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[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01B 63/111 (2006.01) A01B 63/114 (2006.01) A01B 63/16 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SELF CLEANING GAUGE WHEEL ASSEMBLY**
[54] **ASSEMBLAGE DE ROUE DE JAUGE AUTONETTOYANTE**
[72] ZEMENCHIK, ROBERT A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-05-06
[41] 2019-12-12
[30] US (16/006,232) 2018-06-12

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[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01B 71/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE CLOSING SYSTEM WITH DOWNFORCE CONTROL**
[54] **SYSTEME DE FERMETURE AJUSTABLE DOTE D`UN CONTROLE DE FORCE VERS LE BAS**
[72] SCHOENY, CHRISTOPHER, US
[72] STANHOPE, TREVOR, US
[72] LANDOLT, DARIAN E., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-05-06
[41] 2019-12-12
[30] US (16/006,378) 2018-06-12

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[13] A1
[51] **Int.Cl. B60R 1/06 (2006.01) B60R 1/062 (2006.01)**
[25] EN
[54] **REAR VIEW MIRROR**
[54] **RETROVISEUR**
[72] CASTELMEZZANO, PASQUALE, CA
[71] LUCERIX INTERNATIONAL COMPANY, CA
[22] 2019-05-07
[41] 2019-12-08
[30] US (62/682,352) 2018-06-08

[21] **3,042,618**
[13] A1
[51] **Int.Cl. A61B 3/16 (2006.01)**
[25] EN
[54] **REBOUND TONOMETRY METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL DE TONOMETRIE DE REBOND**
[72] MARTIN, GABRIEL N., AR
[71] REICHERT, INC., US
[22] 2019-05-08
[41] 2019-12-13
[30] US (16/007,501) 2018-06-13

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[13] A1
[51] **Int.Cl. G01K 11/32 (2006.01) B64D 45/00 (2006.01) G01D 5/353 (2006.01)**
[25] EN
[54] **OVERHEAT DETECTION USING A FIBER BRAGG GRATINGS ARRAY BY TIME-OF-FLIGHT**
[54] **DETECTION DE SURCHAUFFE AU MOYEN D`UN RESEAU DE BRAGG SUR FIBRE PAR TEMPS DE VOL**
[72] LIU, LEI, US
[72] MILLER, MARK, US
[71] KIDDE TECHNOLOGIES, INC., US
[22] 2019-05-10
[41] 2019-12-14
[30] US (16/008,358) 2018-06-14

[21] **3,043,114**
[13] A1
[51] **Int.Cl. E21B 10/46 (2006.01) E21B 10/56 (2006.01)**
[25] EN
[54] **SPIRALLY AND/OR RADIALLY SERRATED SUPERHARD CUTTER**
[54] **COUTEAU SUPER DUR DENTE DE MANIERE RADIALE OU SPIRALE**
[72] VIJAYABALAN, VIJAYAVELAN, US
[71] VAREL INTERNATIONAL IND., L.L.C., US
[22] 2019-05-13
[41] 2019-12-11
[30] US (62/696,981) 2018-07-12
[30] US (62/683,240) 2018-06-11

[21] **3,043,553**
[13] A1
[51] **Int.Cl. B67D 3/00 (2006.01) B65D 77/06 (2006.01) B65D 85/80 (2006.01)**
[25] EN
[54] **LIQUID BAG PRODUCT CASE**
[54] **BOITIER DE PRODUIT EN SAC DE LIQUIDE**
[72] BEATON, DEBRA, CA
[72] GAY, BRIAN, CA
[72] COLE, DEREK, CA
[72] WILLISTON, KYLE, CA
[71] A.C. DISPENSING EQUIPMENT INC., CA
[22] 2019-05-16
[41] 2019-12-08
[30] US (16/003,539) 2018-06-08

[21] **3,043,712**
[13] A1
[51] **Int.Cl. C23C 22/73 (2006.01) C23C 22/07 (2006.01) C23C 22/62 (2006.01)**
[25] EN
[54] **CORROSION AND MAR RESISTANCE OF STEEL COMPONENTS**
[54] **RESISTANCE A LA CORROSION ET AUX MARQUES DES COMPOSANTES EN ACIER**
[72] GUEDES, RICARDO LM, US
[71] SNAP-ON INCORPORATED, US
[22] 2019-05-17
[41] 2019-12-08
[30] US (16/003,708) 2018-06-08

[21] **3,043,917**
[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01)**
[25] EN
[54] **DRAINAGE PATH FOR A BEARING SUMP IN A VERTICALLY ORIENTED TURBINE ENGINE**
[54] **CHEMIN D`EVACUATION DE PUISARD A ROULEMENT DANS UN MOTEUR DE TURBINE ORIENTE VERTICALEMENT**
[72] ENGEL, CHADD D., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2019-05-22
[41] 2019-12-13
[30] US (16/007,679) 2018-06-13

[21] **3,043,919**
[13] A1
[51] **Int.Cl. A43B 23/26 (2006.01)**
[25] FR
[54] **REMOVABLE TONGUE FOR INJECTED INNER SHOE, ASSOCIATED INNER SHOE AND SHOE**
[54] **LANGUETTE AMOVIBLE POUR CHAUSSON INJECTE, CHAUSSON ET CHAUSSURE ASSOCIES**
[72] BEAUDERE, DAVID, FR
[71] SARL SP, FR
[22] 2019-05-22
[41] 2019-12-13
[30] FR (1855191) 2018-06-13

[21] **3,044,091**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/06 (2006.01) A61K 9/12 (2006.01) A61K 31/197 (2006.01)**
[25] EN
[54] **TOFACITINIB AND BACLOFEN COMPOSITIONS AND APPLICATIONS**
[54] **COMPOSITIONS DE TOFACITINIB ET DE BACLOFENE ET APPLICATIONS**
[72] HANNA, ANDREW, CA
[71] HANNA, ANDREW, CA
[22] 2019-05-23
[41] 2019-12-14
[30] US (62/684,993) 2018-06-14

[21] **3,044,094**
[13] A1
[51] **Int.Cl. B64C 25/42 (2006.01) F16D 65/02 (2006.01) F16D 65/12 (2006.01)**
[25] FR
[54] **DISC BRAKE SYSTEM AND AIRCRAFT**
[54] **SYSTEME DE FREINAGE A DISQUE ET AERONEF**
[72] PRUD'HOMME LACROIX, PIERRE, FR
[72] AZZARELLO, JULIEN, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-05-22
[41] 2019-12-12
[30] FR (1800599) 2018-06-12

[21] **3,044,132**
[13] A1
[51] **Int.Cl. F02C 7/28 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **CONTROLLED GAP SEAL WITH SURFACE DISCONTINUITIES**
[54] **JOINT D`ESPACEMENT CONTROLE PRESENTANT DES DISCONTINUITES EN SURFACE**
[72] THERATIL, IGNATIUS, CA
[72] ABATE, ALDO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-05-22
[41] 2019-12-08
[30] US (62/682,357) 2018-06-08
[30] US (16/204,367) 2018-11-29

[21] **3,044,149**
[13] A1
[51] **Int.Cl. F01D 11/18 (2006.01) F04D 29/46 (2006.01)**
[25] EN
[54] **PASSIVE CLEARANCE CONTROL FOR A CENTRIFUGAL IMPELLER SHROUD**
[54] **CONTROLE DE DEGAGEMENT PASSIF DESTINE A UNE ENVELOPPE D`HELICE CENTRIFUGE**
[72] AKER, GRACE, US
[72] NESTEROFF, MICHAEL, US
[72] WHITLOCK, MARK ERIC, US
[72] CUMMINGS, CASSANDRA, US
[72] ACKER, JONATHAN, US
[72] KHAMLICHE, YOUNES, US
[72] COPPER, NATHANAEL, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2019-05-23
[41] 2019-12-13
[30] US (16/007,647) 2018-06-13

[21] **3,044,150**
[13] A1
[51] **Int.Cl. H01L 21/77 (2017.01) H01L 23/488 (2006.01) H01L 23/535 (2006.01) H01L 31/00 (2006.01) H01L 33/00 (2010.01)**
[25] FR
[54] **PHOTOTONIC CHIP CROSSED BY A VIA**
[54] **PUCE PHOTONIQUE TRAVERSEE PAR UN VIA**
[72] CHERAMY, SEVERINE, FR
[72] MENEZO, SYLVIE, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[22] 2019-05-22
[41] 2019-12-08
[30] FR (18 55 010) 2018-06-08

[21] **3,044,205**
[13] A1
[51] **Int.Cl. B60T 1/06 (2006.01) B60B 27/00 (2006.01) B60B 27/04 (2006.01) B60K 7/00 (2006.01)**
[25] EN
[54] **MULTI-PIECE ROTOR FOR USE WITH AN ELECTRIC WHEEL END DRIVE MOTOR**
[54] **ROTOR MULTIPIECE DESTINE A UNE UTILISATION AVEC UN MOTEUR D`ENTRAINEMENT D`EXTREMITE DE ROUE ELECTRIQUE**
[72] SEAMAN, JAMES, US
[72] SABETI, MANOUCHEHR, US
[71] BENDIX SPICER FOUNTATION BRAKE LLC, US
[22] 2019-05-24
[41] 2019-12-14
[30] US (16/008,244) 2018-06-14

[21] **3,044,326**
[13] A1
[51] **Int.Cl. F24F 7/02 (2006.01) A62C 2/18 (2006.01) A62C 2/24 (2006.01) E04B 1/94 (2006.01) E04D 13/152 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **EMBER AND FLAME RESISTANT RESETTABLE AUTOMATIC SOFFIT VENT**
[54] **EVENT DE SOFFITE A REINSTALLATION AUTOMATIQUE RESISTANT AUX FLAMMES ET AUX BRAISES**
[72] THOMPSON, BRANNON SCOTT, US
[72] BOEHLING, STEVEN VONDERLEHR, US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2019-05-27
[41] 2019-12-13
[30] US (62/684,504) 2018-06-13

[21] **3,044,571**
[13] A1
[51] **Int.Cl. F24F 11/39 (2018.01) F24F 11/48 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF PREDICTING LIFE OF A FILTER IN AN HVAC SYSTEM**
[54] **SYSTEMES ET METHODES DE PREDICTION DE LA DUREE UTILE D`UN FILTRE DANS UN SYSTEME CVCA**
[72] HINGORANI, SANJEEV, US
[72] GREIST, HENRY, US
[72] HREJSA, PETER, US
[71] LENNOX INDUSTRIES INC., US
[22] 2019-05-29
[41] 2019-12-08
[30] US (16/004,129) 2018-06-08

[21] **3,044,580**
[13] A1
[51] **Int.Cl. B32B 3/06 (2006.01) B32B 5/26 (2006.01) B32B 5/28 (2006.01) B32B 38/18 (2006.01)**
[25] EN
[54] **SPLICE JOINT IN LAMINATE COMPOSITE STRUCTURE**
[54] **JOINT D`EPISSURE DE STRUCTURE COMPOSITE LAMELLEE**
[72] DUVAL, SEBASTIEN, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2019-05-28
[41] 2019-12-09
[30] US (16/004,371) 2018-06-09

[21] **3,044,711**
[13] A1
[51] **Int.Cl. B61L 27/04 (2006.01) B61L 25/00 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRIORITIZING RAILWAY CROSSING FLOWS, AND MEMORY STORAGE MEDIUM**
[54] **METHODE DE PRIORISATION DE CIRCULATION DE TRAVERSE DE CHEMIN DE FER ET SUPPORT DE STOCKAGE MEMOIRE**
[72] CARNEIRO, NIKOLAS JORGE SANTIAGO, BR
[72] SANTOS, JORGE MANUEL FILIPE DOS, BR
[72] ROSA, SERGIO IVAN VAIDEMONTE DA, BR
[72] SOUZA, CLEIDOSON RONALD BOTELHO DE, BR
[72] MOTA, JOSE AROUDO, BR
[71] VALE S.A., BR
[22] 2019-05-30
[41] 2019-12-11
[30] BR (BR 10 2018 011744 0) 2018-06-11

[21] **3,044,756**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) G01N 1/28 (2006.01) G01N 33/04 (2006.01)**
[25] FR
[54] **DETERMINATION PROCESS FOR CASEIN AND SERUM PROTEINS IN RAW OR LITTLE PASTEURIZED DAIRY PRODUCTS**
[54] **PROCEDE DE DETERMINATION DES CASEINES ET DES PROTEINES SERIQUES DANS DES PRODUITS LAITIERS CRUS OU FAIBLEMENT PASTEURISES**
[72] BIRLOUEZ-ARAGON, INES, FR
[71] SPECTRALYS INNOVATION, FR
[22] 2019-05-29
[41] 2019-12-08
[30] FR (18 55 047) 2018-06-08

[21] **3,044,822**
[13] A1
[51] **Int.Cl. G09B 9/00 (2006.01) G06F 16/903 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRACKING VIRTUAL REALITY EXPERIENCES**
[54] **METHODE ET SYSTEME DE SUIVI D`EXPERIENCES DE REALITE VIRTUELLE**
[72] LANOUE, CHRISTOPHER, US
[72] DOWNTON, R.M. K., US
[72] BUFFA, PAUL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-05-31
[41] 2019-12-08
[30] US (16/003,242) 2018-06-08

[21] **3,044,860**
[13] A1
[51] **Int.Cl. H01R 33/05 (2006.01) H01R 13/502 (2006.01) H01R 13/639 (2006.01)**
[25] EN
[54] **SOCKET ASSEMBLY FOR RECEIVING A LAMP HAVING A PINCH SEAL**
[54] **ASSEMBLAGE DE DOUILLE SERVANT A RECEVOIR UNE LAMPE DOTEE D`UN JOINT D`ETRANGLEMENT**
[72] GIETL, GEORG, DE
[72] SIMSIC, DRAGAN, DE
[72] BAUM, THORSTEN, DE
[71] BLV LICHT- UND VAKUUMTECHNIK GMBH, DE
[22] 2019-05-30
[41] 2019-12-08
[30] DE (DE 10 2018 004 589.8) 2018-06-08

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[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01) H04W 24/08 (2009.01) H04W 4/70 (2018.01) G06N 3/02 (2006.01)**
[25] EN
[54] **COMPUTING DEVICE AND METHOD USING A NEURAL NETWORK TO INFER A PREDICTED STATE OF A COMMUNICATION CHANNEL**
[54] **DISPOSITIF INFORMATIQUE ET METHODE EMPLOYANT UN RESEAU NEURONAL POUR INFERER UN ETAT PREDIT D`UN CANAL DE COMMUNICATION**
[72] GERVAIS, FRANCOIS, CA
[71] DISTECH CONTROLS INC., CA
[22] 2019-06-03
[41] 2019-12-08
[30] US (16/003,430) 2018-06-08

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[21] **3,044,982**
[13] A1
[51] **Int.Cl. B23Q 3/02 (2006.01)**
[25] EN
[54] **WORK PIECE MOUNTING SYSTEM**
[54] **SYSTEME D`INSTALLATION DE PIECE DE TRAVAIL**
[72] VAANDERING, HENRY, CA
[71] RIAN SOLUTIONS INC., CA
[22] 2019-06-03
[41] 2019-12-08
[30] US (62/682,213) 2018-06-08

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[21] **3,045,169**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) G06F 1/3206 (2019.01) G06F 1/3296 (2019.01) G09G 5/10 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DEVICE PLACEMENT BASED OPTIMIZATION TECHNIQUES**
[54] **METHODE ET SYSTEME DE POSITIONNEMENT DE DISPOSITIF FONDE SUR DES TECHNIQUES D`OPTIMISATION**
[72] NAGPAL, PARAMVIR SINGH, CA
[72] HUBERMAN, SEAN, CA
[71] MAPSTED CORP., CA
[22] 2019-06-03
[41] 2019-12-13
[30] US (16/007162) 2018-06-13

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[21] **3,045,188**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 5/02 (2006.01) F25B 9/00 (2006.01)**
[25] EN
[54] **CO2 REFRIGERATION SYSTEM WITH AUTOMATED CONTROL OPTIMIZATION**
[54] **SYSTEME DE REFRIGERATION AU CO2 DOTE D`OPTIMISATION DE CONTROLE AUTOMATISEE**
[72] HAYES, NIEL M., US
[72] NEWEL, JEFFREY E., US
[71] HILL PHOENIX, INC., US
[22] 2019-06-04
[41] 2019-12-11
[30] US (62/683,099) 2018-06-11

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[21] **3,045,253**
[13] A1
[51] **Int.Cl. B60H 1/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING SLUGGING IN HVAC COMPRESSOR OF VEHICLE**
[54] **SYSTEMES ET METHODE DE REDUCTION DU BLOCAGE DU COMPRESSEUR CVCA D`UN VEHICULE**
[72] YOUNG, MIKE D., US
[72] VADLAMANI, UDAY, US
[71] PACCAR INC, US
[22] 2019-06-05
[41] 2019-12-11
[30] US (16/005,501) 2018-06-11

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[13] A1
[51] **Int.Cl. H01L 31/18 (2006.01) H01L 31/0203 (2014.01) H01L 31/0224 (2006.01) H01L 31/048 (2014.01) H01L 31/05 (2014.01)**
[25] FR
[54] **FABRICATION PROCESS FOR A PHOTOVOLTAIC MODULE AND PHOTOVOLTAIC MODULE THUS OBTAINED**
[54] **PROCEDE DE FABRICATION D'UN MODULE PHOTOVOLTAIQUE ET MODULE PHOTOVOLTAIQUE AINSI OBTENU**
[72] ALLAIS, FRANCOIS, US
[72] HAU, DAMIEN, US
[72] MWAURA, JEREMIAH, US
[71] ARMOR, FR
[22] 2019-06-04
[41] 2019-12-11
[30] FR (1855064) 2018-06-11

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[13] A1
[51] **Int.Cl. B65D 88/62 (2006.01) B65D 88/12 (2006.01) B65D 90/02 (2019.01)**
[25] EN
[54] **DUAL PURPOSE UNREFINED/REFINED PETROLEUM INTERMODAL TANK CONTAINER**
[54] **CONTENANT RESERVOIR INTERMODAL DE PETROLE RAFFINE/NON RAFFINE DOUBLE USAGE**
[72] KOTORA, ONDREJ, CA
[71] KOTORA, ONDREJ, CA
[22] 2019-06-06
[41] 2019-12-09
[30] US (16/004,356) 2018-06-09

[21] **3,045,370**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/00 (2006.01) A61K 38/22 (2006.01) A61K 45/06 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING METABOLIC DISEASE**
[54] **METHODES DE TRAITEMENT DE LA MALADIE METABOLIQUE**
[72] JASUJA, REEMA, US
[72] CUNNINGHAM, ORLA, IE
[72] FOY, NIALL JOHN, IE
[72] DRAKESMITH, ALEXANDER HAL, GB
[72] AREZES, JOAO ANDRE TRAILA, GB
[72] DRAPER, SIMON JOHN, GB
[72] MCHUGH, KIRSTY ANNE, GB
[72] KARPE, FREDRIK, GB
[72] DENTON, NATHAN, GB
[71] PFIZER INC., US
[22] 2019-06-06
[41] 2019-12-08
[30] US (62/682309) 2018-06-08

[21] **3,045,395**
[13] A1
[51] **Int.Cl. E04D 1/22 (2006.01) B32B 5/16 (2006.01) B32B 5/28 (2006.01) B32B 11/02 (2006.01) B32B 37/24 (2006.01) E04D 1/14 (2006.01)**
[25] EN
[54] **SHINGLE WITH MELT-BLOWN FIBER BACKING**
[54] **BARDEAU DOTE D`UN ENDOS DE FIBRE SOUFFLEE PAR FUSION**
[72] CHEVILLARD, CYRIL, US
[71] TAMKO BUILDING PRODUCTS LLC, US
[22] 2019-06-06
[41] 2019-12-08
[30] US (62/682,674) 2018-06-08

[21] **3,045,398**
[13] A1
[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **MANAGING EXECUTION OF DATA PROCESSING JOBS IN A VIRTUAL COMPUTING ENVIRONMENT**
[54] **GESTION D`EXECUTION DE TACHES DE TRAITEMENT DE DONNEES DANS UN ENVIRONNEMENT INFORMATIQUE VIRTUEL**
[72] YUAN, MING, US
[72] VEERARAGHAVAN, VIJAYALAKSHMI, US
[72] BAWA, PREET KAMAL, US
[72] CREATH, LANCE, US
[72] FEKETE, ALEC, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-06-06
[41] 2019-12-08
[30] US (16/004172) 2018-06-08

[21] **3,045,448**
[13] A1
[51] **Int.Cl. A01D 34/73 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR A MOWER OF A MOWING OR CHOPPING MACHINE, REPLACEMENT CUTTING TOOL AND MOWER**
[54] **ASSEMBLAGE D`UNE TONDEUSE D`UNE MACHINE DE TONTE OU DE COUPE, OUTIL DE COUPE DE REMPLACEMENT ET TONDEUSE**
[72] NIELSEN, RASMUS ELMELUND, DK
[71] KVERNELAND GROUP KERTEMINDE A/S, DK
[22] 2019-06-07
[41] 2019-12-13
[30] EP (18177596.6) 2018-06-13

[21] **3,045,499**
[13] A1
[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **PRESS COUPLER FOR ELECTRICAL CONDUIT**
[54] **RACCORD A PRESSION DESTINE A UN CONDUIT ELECTRIQUE**
[72] MORSE, BRADFORD, US
[72] PLATT, JOSEPH, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-06-07
[41] 2019-12-08
[30] US (62/682468) 2018-06-08
[30] US (16/433612) 2019-06-06

[21] **3,045,524**
[13] A1
[51] **Int.Cl. E04B 5/17 (2006.01) E02D 5/22 (2006.01) E02D 27/00 (2006.01) E04F 15/18 (2006.01)**
[25] EN
[54] **MODULAR SUPPORT STRUCTURE FOR FLOORS**
[54] **STRUCTURE DE SUPPORT MODULAIRE DESTINEE AUX PLANCHERS**
[72] PONTAROLO, VALERIO, IT
[72] PONTAROLO, VALENTINA, IT
[72] PONTAROLO, LUCA, IT
[71] PONTAROLO ENGINEERING S.P.A., IT
[22] 2019-06-06
[41] 2019-12-08
[30] IT (102018000006136) 2018-06-08

[21] **3,045,530**
[13] A1
[51] **Int.Cl. B65D 25/22 (2006.01) B65D 21/032 (2006.01) B65D 21/036 (2006.01) B65D 25/28 (2006.01) B65D 43/16 (2006.01) B65F 1/12 (2006.01)**
[25] EN
[54] **A SEALED GRAB BAR AND A CONTAINER PROVIDED THEREWITH**
[54] **UNE BARRE D`APPUI SCELLEE ET UN CONTENANT FOURNI INTEGRALEMENT**
[72] NOLET, ROCH, CA
[72] COTE, FRANCIS, CA
[71] IPL INC, CA
[22] 2019-06-06
[41] 2019-12-14
[30] US (62/684,977) 2018-06-14

[21] **3,045,547**
[13] A1
[51] **Int.Cl. F16B 2/06 (2006.01) B64D 45/00 (2006.01) F16L 3/10 (2006.01) F16L 3/223 (2006.01) G01K 7/16 (2006.01)**
[25] EN
[54] **CLAMP FOR SENSORS**
[54] **PINCE DE CAPTEURS**
[72] NEWLIN, SCOTT KENNETH, US
[72] WALLACE, STEVEN, US
[72] LAKSHMI, VENKATA SATISH BABU, IN
[72] NAIK, VINOD MARUTI, IN
[72] AVUDAIAPPAN, THAMBIRAJ, IN
[72] CHAKRAVARTHY, KALYANA, IN
[72] PATIL, RHUSHIKESH, IN
[71] KIDDE TECHNOLOGIES INC., US
[22] 2019-06-06
[41] 2019-12-08
[30] IN (201841021562) 2018-06-08

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[13] A1
[51] **Int.Cl. B65D 5/52 (2006.01) B65D 5/02 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **DISPLAY HUTCH**
[54] **BAHUT DE PRESENTATION**
[72] FROST, JERRY R., US
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2019-06-07
[41] 2019-12-14
[30] US (62/684780) 2018-06-14

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[21] **3,045,564**
[13] A1
[51] **Int.Cl. H02G 3/02 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **MOUNTING BRACKET**
[54] **SUPPORT D`INSTALLATION**
[72] WITHERBEE, MARTIN LEE, US
[72] JOHNSON, JACOB LEE, US
[72] SHENOY, KARTHIK PANDURANG, IN
[72] FORE, JONATHAN N., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-06-07
[41] 2019-12-08
[30] US (62/682524) 2018-06-08
[30] US (62/796287) 2019-01-24
[30] US (16/433952) 2019-06-06

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[21] **3,045,574**
[13] A1
[51] **Int.Cl. C22C 9/02 (2006.01)**
[25] EN
[54] **SHAPED PARTS MADE OF A CORROSION-RESISTANT AND MACHINABLE COPPER ALLOY**
[54] **PIECES FORMEES FAITES D`UN ALLIAGE DE CUIVRE USINABLE ET RESISTANT A LA CORROSION**
[72] HANSEN, ANDREAS, DE
[71] GEBR. KEMPER GMBH + CO. KG METALLWERKE, DE
[22] 2019-06-07
[41] 2019-12-12
[30] DE (102018004702.5) 2018-06-12

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[21] **3,045,576**
[13] A1
[51] **Int.Cl. E05B 15/00 (2006.01) E05B 15/04 (2006.01) E05B 15/10 (2006.01)**
[25] EN
[54] **MODULAR DOOR LATCH ASSEMBLY**
[54] **MECANISME DE VERROU DE PORTE MODULAIRE**
[72] COOK, BRADLEY ARMSTRONG, CA
[71] GALLERY SPECIALTY HARDWARE LTD., CA
[22] 2019-06-07
[41] 2019-12-08
[30] US (62/682412) 2018-06-08

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[21] **3,045,615**
[13] A1
[51] **Int.Cl. B65D 5/50 (2006.01) B65D 5/4805 (2006.01)**
[25] EN
[54] **SHIPPERS WITH AIR CELLS**
[54] **DISPOSITIF D`EXPEDITION A CELLULES D`AIR**
[72] SIMPKINS, KEVIN M., US
[72] BUSCEMA, CRAIG W., US
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2019-06-10
[41] 2019-12-13
[30] US (62/684242) 2018-06-13

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[21] **3,045,644**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **GLP-1 RECEPTOR AGONISTS AND USES THEREOF**
[54] **ANTAGONISTES DU RECEPTEUR GLP-1 ET LEURS UTILISATIONS**
[72] ASPNES, GARY ERIK, DE
[72] BAGLEY, SCOTT W., US
[72] CURTO, JOHN M., US
[72] EDMONDS, DAVID JAMES, US
[72] FLANAGAN, MARK E., US
[72] FUTATSUGI, KENTARO, US
[72] GRIFFITH, DAVID A., US
[72] HUARD, KIM, US
[72] LIAN, YAJING, US
[72] LIMBERAKIS, CHRIS, US
[72] LONDREGAN, ALLYN T., US
[72] MATHIOWETZ, ALAN M., US
[72] PIOTROWSKI, DAVID W., US
[72] RIGGERI, ROGER B., US
[71] PFIZER INC., US
[22] 2019-06-10
[41] 2019-12-13
[30] US (62/684696) 2018-06-13
[30] US (62/846944) 2019-05-13
[30] US (62/851206) 2019-05-22

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[21] **3,045,656**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01) C08J 3/20 (2006.01) C08J 11/06 (2006.01) C08L 91/06 (2006.01)**
[25] EN
[54] **ASPHALT COMPOSITIONS INCLUDING RECLAIMED ASPHALT MATERIAL**
[54] **COMPOSITIONS D`ASPHALTE RENFERMANT DU MATERIAU D`ASPHALTE RECYCLE**
[72] FRANZEN, MICHAEL, US
[72] LEWANDOWSKI, LAURAND, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2019-06-07
[41] 2019-12-08
[30] US (62/682,520) 2018-06-08

[21] **3,045,678**
[13] A1
[51] **Int.Cl. B64C 13/00 (2006.01) B64C 19/00 (2006.01)**
[25] FR
[54] **CONVERSION DEVICE AND PROCESS FOR A GUIDANCE INSTRUCTION SIGNAL IN A CONTROL SIGNAL FOR AN AVIONICS SYSTEM, STEERING ASSISTANCE SYSTEM AND ASSOCIATED COMPUTER PROGRAM**
[54] **DISPOSITIF ET PROCEDE DE CONVERSION D'UN SIGNAL DE CONSIGNE DE GUIDAGE EN UN SIGNAL DE COMMANDE POUR SYSTEME AVIONIQUE, SYSTEME D'AIDE AU PILOTAGE ET PROGRAMME D'ORDINATEUR ASSOCIES**
[72] LAMOUR, ROMAIN, FR
[72] BERGER, FREDERIC, FR
[72] COLONNA, FRANCOIS, FR
[72] CAZES, MARIANNE, FR
[71] THALES, FR
[22] 2019-06-07
[41] 2019-12-14
[30] FR (1800610) 2018-06-14

[21] **3,045,680**
[13] A1
[51] **Int.Cl. H01Q 1/42 (2006.01) B29C 70/88 (2006.01)**
[25] FR
[54] **RADOME INCLUDING A STRATIFIED STRUCTURE INCLUDING COMPOSITE LAYERS WHOSE FIBROUS REINFORCEMENT IS MADE OF POLYOLEFIN FIBRES**
[54] **RADOME COMPRENANT UNE STRUCTURE STRATIFIEE COMPRENANT DES COUCHES COMPOSITES DONT LE RENFORT FIBREUX EST CONSTITUE DE FIBRES DE POLYOLEFINE**
[72] CALVO PEREZ, OLIVIER, FR
[72] BERTON, BENOIT, FR
[71] DASSAULT AVIATION, FR
[22] 2019-06-07
[41] 2019-12-14
[30] FR (18 00 609) 2018-06-14

[21] **3,045,692**
[13] A1
[51] **Int.Cl. B01D 35/02 (2006.01) B01D 35/30 (2006.01)**
[25] EN
[54] **WATER COOLER FILTER WITH SECURE BAYONET-TYPE CONNECTION**
[54] **FILTRE DE REFROIDISSEUR D`EAU A CONNEXION A BAIONNETTE SECURISEE**
[72] RUBIN, JONATHAN, US
[71] BHRS GROUP, US
[22] 2019-06-10
[41] 2019-12-11
[30] US (16/004,584) 2018-06-11

[21] **3,045,819**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/32 (2013.01)**
[25] EN
[54] **LIVENESS DETECTION**
[54] **DETECTION D`ETAT ACTIF**
[72] HAMID, LAURENCE, CA
[72] BORZA, STEPHEN, CA
[71] HAMID, LAURENCE, CA
[71] BORZA, STEPHEN, CA
[22] 2019-06-11
[41] 2019-12-11
[30] US (62/683,096) 2018-06-11

[21] **3,045,820**
[13] A1
[51] **Int.Cl. A47C 7/56 (2006.01) A47C 1/121 (2006.01)**
[25] EN
[54] **FOLDING CHAIR WITH REDUCED FOOTPRINT**
[54] **CHAISE PLIANTE AYANT UNE EMPREINTE REDUITE**
[72] OLARTE, ALVARO MAURICIO, US
[71] SERIES INTERNATIONAL, LLC, US
[22] 2019-06-10
[41] 2019-12-08
[30] US (62/682.460) 2018-06-08
[30] US (16/434.386) 2019-06-07

[21] **3,045,827**
[13] A1
[51] **Int.Cl. B01D 45/00 (2006.01)**
[25] EN
[54] **FLUID REMOVAL SYSTEM FOR A BLOWDOWN VESSEL**
[54] **SYSTEME D`ENLEVEMENT DE LIQUIDE DANS UN RECIPIENT AFFAISSE**
[72] NAGGE, RORY, CA
[72] SPIRIDONOV, NIKOLAY, CA
[72] BOWLEY, RYAN THOMAS, CA
[72] CHAN, JEFFREY GAR SING, CA
[71] ENERCORP SAND SOLUTIONS INC., CA
[22] 2019-06-11
[41] 2019-12-11
[30] US (62/683,531) 2018-06-11

[21] **3,045,828**
[13] A1
[51] **Int.Cl. A47C 7/18 (2006.01) A47C 1/124 (2006.01) A47C 7/62 (2006.01) B29C 44/00 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **CHAIR FRAME WITH INJECTION MOLDED FOAM PADDING**
[54] **STRUCTURE DE CHAISE COMPORTANT UN REMBOURRAGE DE MOUSSE MOULEE PAR INJECTION**
[72] OLARTE, ALVARO MAURICIO, US
[71] SERIES INTERNATIONAL, LLC, US
[22] 2019-06-10
[41] 2019-12-08
[30] US (62/682,486) 2018-06-08
[30] US (16/431,196) 2019-06-04

[21] **3,045,829**
[13] A1
[51] **Int.Cl. E06B 9/80 (2006.01) E06B 9/322 (2006.01) E06B 9/42 (2006.01)**
[25] EN
[54] **LIMIT STOP ASSEMBLY FOR AN ARCHITECTURAL-STRUCTURE COVERING**
[54] **ASSEMBLAGE DE BUTEE LIMITE DESTINE A UN REVETEMENT DE STRUCTURE ARCHITECTURALE**
[72] SMITH, STEPHEN P., US
[72] VANDERKOLK, NICHOLAS E., US
[71] HUNTER DOUGLAS INC., US
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683,992) 2018-06-12

[21] **3,045,831**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06F 21/31 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USER IDENTIFICATION AND AUTHENTICATION**
[54] **SYSTEME ET METHODE D`IDENTIFICATION ET D`AUTHENTIFICATION D`UTILISATEUR**
[72] BERROD, OLIVIER, CA
[72] SEBASTIEN, CHRISTOPHER, CA
[72] MILLER, ROGER, CA
[71] BANQUE NATIONALE DU CANADA, CA
[22] 2019-06-10
[41] 2019-12-08
[30] CA (3,007,798) 2018-06-08

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[21] **3,045,832**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING AND PROVIDING TRANSACTION AFFINITY PROFILE INFORMATION**
[54] **SYSTEMES ET METHODES DE TRAITEMENT ET DE FOURNITURE D`INFORMATION DE PROFIL D`AFFINITE DE TRANSACTION**
[72] JARVIS, DANIEL ALAN, US
[72] DOUGLAS, LAWRENCE HUTCHISON, JR., US
[72] WIEKER, JEFFREY CARLYLE, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-06-11
[41] 2019-12-12
[30] US (16/006712) 2018-06-12

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[21] **3,045,833**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING TRANSACTION AFFINITY INFORMATION**
[54] **SYSTEMES ET METHODES DE TRAITEMENT ET DE FOURNITURE D`INFORMATION D`AFFINITE DE TRANSACTION**
[72] JARVIS, DANIEL ALAN, US
[72] DOUGLAS JR., LAWRENCE HUTCHISON, US
[72] WIEKER, JEFFREY CARLYLE, US
[71] CAPITAL ONE SERVICES, LLC, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-06-11
[41] 2019-12-12
[30] US (16/006075) 2018-06-12

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[21] **3,045,836**
[13] A1
[51] **Int.Cl. E04B 9/22 (2006.01) E04B 9/04 (2006.01)**
[25] EN
[54] **CLADDING SYSTEM INCLUDING A FLEXIBLE GRID AND PANELS**
[54] **SYSTEME DE BARDAGE COMPORTANT UN RESEAU ET DES PANNEAUX FLEXIBLES**
[72] MICHAUD, DENNIS, US
[71] CERTAINTEED CEILINGS CORPORATION, US
[22] 2019-06-11
[41] 2019-12-11
[30] US (62/683,614) 2018-06-11

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[21] **3,045,838**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADJUSTING TRANSACTION AFFINITY INFORMATION**
[54] **SYSTEMES ET METHODES DE REGLAGE D`AFFINITE DE TRANSACTION**
[72] JARVIS, DANIEL ALAN, US
[72] WIEKER, JEFFREY CARLYLE, US
[72] DOUGLAS, LAWRENCE HUTCHISON, JR., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-06-11
[41] 2019-12-12
[30] US (16/006711) 2018-06-12

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[21] **3,045,839**
[13] A1
[51] **Int.Cl. H02P 25/06 (2016.01) H02K 41/02 (2006.01)**
[25] EN
[54] **SHORT-CIRCUIT BRAKING OF AN LLM**
[54] **FREIN DE COURT-CIRCUIT DE MOTEUR LINEAIRE A LONG STATOR**
[72] WEBER, ANDREAS, AT
[72] FASCHANG, LEOPOLD, AT
[72] BRUCKER, STEFAN, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2019-06-11
[41] 2019-12-14
[30] EP (18177762.4) 2018-06-14

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[21] **3,045,840**
[13] A1
[51] **Int.Cl. B41M 5/00 (2006.01) A24B 15/00 (2006.01) B05D 1/02 (2006.01) B41J 2/01 (2006.01) B41K 99/00 (2006.01)**
[25] EN
[54] **MARKINGS ON MARIJUANA AND METHOD THEREFOR**
[54] **MARQUAGES SUR LA MARIJUANA ET METHODE ASSOCIEE**
[72] CECCARELLI, LORETO J., CA
[71] CECCARELLI, LORETO J., CA
[22] 2019-06-11
[41] 2019-12-11
[30] US (62/683,175) 2018-06-11

[21] **3,045,842**
[13] A1
[51] **Int.Cl. A01G 18/22 (2018.01) A01G 18/62 (2018.01) A01C 3/06 (2006.01) B65G 65/00 (2006.01)**
[25] EN
[54] **DEVICE FOR DELIVERING AT LEAST A LAYER OF COMPOST AND CASING SOIL TO A SHELVING FOR GROWING MUSHROOMS**
[54] **DISPOSITIF DE DISTRIBUTION D`AU MOINS UNE COUCHE DE COMPOST ET DE TERRE DE GOBETAGE SUR UNE TABLETTE SERVANT A LA CULTURE DE CHAMPIGNONS**
[72] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[72] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[71] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[71] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[22] 2019-06-11
[41] 2019-12-14
[30] NL (2021123) 2018-06-14

[21] **3,045,845**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CELLS AND USES OF BRASSICA CARINATA VARIETY DH-156.090D**
[54] **CELLULES ET UTILISATION DE BRASSICA CARINATA DE VARIETE DH-156.090D**
[72] BENNETT, RICK, CA
[71] AGRISOMA BIOSCIENCES INC., CA
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683728) 2018-06-12

[21] **3,045,848**
[13] A1
[51] **Int.Cl. A45C 11/20 (2006.01) A47J 47/14 (2006.01) B65D 81/38 (2006.01) F25D 3/08 (2006.01)**
[25] EN
[54] **INSULATED CONTAINER WITH FOLDING CLOSURE**
[54] **CONTENANT ISOLE COMPORTANT UNE FERMETURE PLIANTE**
[72] MOGIL, MELVIN, CA
[72] OLANDER, EVAN RODERICK, US
[72] BACA, MARLOWE GUSTAVO, US
[71] CALIFORNIA INNOVATIONS INC., CA
[22] 2019-06-11
[41] 2019-12-13
[30] US (62/684,398) 2018-06-13

[21] **3,045,849**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CELLS AND USES OF BRASSICA CARINATA VARIETY DH-140.356**
[54] **CELLULES ET UTILISATION DE BRASSICA CARINATA DE VARIETE DH-140.356**
[72] BENNETT, RICK, CA
[71] AGRISOMA BIOSCIENCES INC., CA
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683829) 2018-06-12

[21] **3,045,851**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CELLS AND USES BRASSICA CARINATA VARIETY DH-069.485**
[54] **CELLULES ET UTILISATION DE BRASSICA CARINATA DE VARIETE DH-069.485**
[72] BENNETT, RICK, CA
[71] AGRISOMA BIOSCIENCES INC., CA
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683709) 2018-06-12

[21] **3,045,860**
[13] A1
[51] **Int.Cl. B62D 65/02 (2006.01) B62D 21/00 (2006.01) F16B 7/00 (2006.01) F16S 3/08 (2006.01)**
[25] EN
[54] **GALVANIZED VEHICLE FRAME ASSEMBLIES AND METHODS FOR FORMING THE SAME**
[54] **ASSEMBLAGES DE CHASSIS DE VEHICULE GALVANISE ET METHODES DE FORMAGE ASSOCIEES**
[72] CASSWAY, RUSTIN ARTHUR, US
[72] PERRY, ALBERT STEPHEN, US
[72] FISHER, DAVID JOHN, US
[71] DEMOUNTABLE CONCEPTS, INC., US
[22] 2019-06-12
[41] 2019-12-12
[30] US (16/436,855) 2019-06-10
[30] US (62/684,079) 2018-06-12

[21] **3,045,863**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) G06F 16/953 (2019.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A SNAPSHOT VIEW OF NETWORK INFRASTRUCTURE**
[54] **SYSTEMES ET METHODES DE GENERATION D`UNE VUE INSTANTANEE D`UNE INFRASTRUCTURE RESEAU**
[72] RAKHIMOV, RINAT, CA
[71] BANK OF MONTREAL, CA
[22] 2019-06-12
[41] 2019-12-12
[30] US (62/684,071) 2018-06-12

[21] **3,045,875**
[13] A1
[51] **Int.Cl. B23D 47/02 (2006.01)**
[25] EN
[54] **MITER SAW**
[54] **SCIE A ONGLET**
[72] HART, MICHAEL, US
[72] JANARDHANAN, SUMITHRA, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[22] 2019-06-12
[41] 2019-12-12
[30] US (62/683,730) 2018-06-12

[21] **3,045,886**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING PREDICTIVE AFFINITY RELATIONSHIP INFORMATION**
[54] **SYSTEMES ET METHODES DE FOURNITURE D`INFORMATION PREDICTIVE DE RELATION D`AFFINITE**
[72] JARVIS, DANIEL ALAN, US
[72] DOUGLAS, LAWRENCE HUTCHISON, JR., US
[72] WIEKER, JEFFREY CARLYLE, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-06-12
[41] 2019-12-12
[30] US (16/006718) 2018-06-12

[21] **3,045,922**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) B66D 1/48 (2006.01) B66D 1/80 (2006.01) E02F 3/815 (2006.01) F16H 63/40 (2006.01)**
[25] EN
[54] **WINCH AND PLOW CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DE TREUIL ET DE CHARRUE**
[72] NORSTAD, TIMOTHY P., US
[72] NUXOLL, JOSEPH P., US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-06-12
[41] 2019-12-13
[30] US (61/684441) 2018-06-13
[30] US (16/436644) 2019-06-10

[21] **3,046,000**
[13] A1
[51] **Int.Cl. C08J 7/06 (2006.01) C08J 3/28 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PROTECTING A SURFACE FROM UV RADIATION**
[54] **SYSTEME ET METHODE DE PROTECTION D`UNE SURFACE CONTRE LE RAYONNEMENT UV**
[72] GROSS, ADAM F., US
[71] THE BOEING COMPANY, US
[22] 2019-06-11
[41] 2019-12-13
[30] US (16/007,872) 2018-06-13

[21] **3,046,002**
[13] A1
[51] **Int.Cl. B01D 21/01 (2006.01) B03B 9/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING TAILINGS**
[54] **METHODES DE TRAITEMENT DES RESIDUS**
[72] PELAEZ, MIGUEL, US
[72] FENDERSON, THOMAS, US
[71] KEMIRA OYJ, FI
[22] 2019-06-12
[41] 2019-12-12
[30] US (62/683,751) 2018-06-12

[21] **3,046,010**
[13] A1
[51] **Int.Cl. A44B 11/25 (2006.01)**
[25] EN
[54] **BUCKLE, IN PARTICULAR BELT BUCKLE**
[54] **BOUCLE, EN PARTICULIER UNE BOUCLE DE CEINTURE**
[72] HORTNAGL, ANDREAS, AT
[71] ABA HORTNAGL GMBH, AT
[22] 2019-06-11
[41] 2019-12-13
[30] AT (A 173/2018) 2018-06-13
[30] EP (19 177 159.1) 2019-05-29

[21] **3,046,014**
[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/14 (2019.01) B60L 53/66 (2019.01) H01R 41/00 (2006.01)**
[25] FR
[54] **IMPROVED ONBOARD DEVICE FOR RECHARGING AN ELECTRIC VEHICLE BY CONDUCTION**
[54] **DISPOSITIF EMBARQUE AMELIORE POUR LA RECHARGE PAR CONDUCTION D'UN VEHICULE ELECTRIQUE**
[72] HOURTANE, JEAN-LUC, FR
[72] NEVOT, NICOLAS, FR
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2019-06-11
[41] 2019-12-13
[30] FR (1855154) 2018-06-13

[21] **3,046,016**
[13] A1
[51] **Int.Cl. B44D 3/00 (2006.01) B05C 17/10 (2006.01)**
[25] EN
[54] **PAINT CAN SQUEEGEE APPARATUS**
[54] **APPAREILLAGE DE RACLETTE DE BOITE DE PEINTURE**
[72] SCHUSTER, MICHAEL J., US
[72] PORTER, DWAYNE A., US
[71] DANCO, INC., US
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683.946) 2018-06-12

[21] **3,046,020**
[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD TO LIMIT ACCESS TO OPEN NETWORKS BY REQUIRING THE CONSENSUS OF PRE-EXISTING NODES TO ADMIT CANDIDATE NODES**
[54] **APPAREIL, SYSTEME ET METHODE SERVANT A LIMITER L`ACCES AUX RESEAUX OUVERTS EN EXIGENT LE CONSENSUS DE NOEUDS PREEXISTANTS POUR ADMETTRE LES NOEUDS CANDIDATS**
[72] CHAFE, PAUL CHRISTIAN, CA
[72] JOHNSTON, JEFFREY LEE, CA
[71] ZERO31SKYTECH INC., CA
[22] 2019-06-12
[41] 2019-12-14
[30] US (62/684,823) 2018-06-14

[21] **3,046,022**
[13] A1
[51] **Int.Cl. H01P 1/10 (2006.01) H04W 88/08 (2009.01) H01H 35/00 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **SYSTEM, DEVICE AND METHOD FOR SWITCHING AIR-TO-GROUND ANTENNAS**
[54] **SYSTEME, DISPOSITIF ET METHODE DE COMMUTATION D`ANTENNE AIR-SOL**
[72] TRUNOV, NIKOLAY, CA
[71] BOMBARDIER INC., CA
[22] 2019-06-11
[41] 2019-12-12
[30] US (62/683,926) 2018-06-12

[21] **3,046,221**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 30/02 (2012.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **K-LSTM ARCHITECTURE FOR PURCHASE PREDICTION**
[54] **ARCHITECTURE K-LSTM DESTINEE A LA PREDICTION D'ACHAT**
[72] WU, YUANQIAO, CA
[72] RAMANAN, JANAHAN, CA
[72] SAHOTA, JASPREET, CA
[72] SMYTH, CATHAL, CA
[72] LUI, YIK CHAU, CA
[71] ROYAL BANK OF CANADA, CA
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[41] 2019-12-13
[30] US (62/684,545) 2018-06-13

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[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **CORRECTING BIAS IN SUPERVISED MACHINE LEARNING DATA**
[54] **CORRECTION DE BIAIS DANS LES DONNEES D'APPRENTISSAGE MACHINE SUPERVISE**
[72] SAHOTA, JASPREET, CA
[72] RAMANAN, JANAHAN, CA
[72] WU, YUANQIAO, CA
[72] LUI, YIK CHAU, CA
[71] ROYAL BANK OF CANADA, CA
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[51] **Int.Cl. G06Q 50/10 (2012.01) G07C 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING REMOTE CHECK-IN SERVICES**
[54] **SYSTEME ET METHODE DE FOURNITURE DE SERVICES D'ENREGISTREMENT DISTANTS**
[72] LETENDRE, JEAN-FRANCOIS, CA
[71] 10526274 CANADA INC., CA
[22] 2019-06-12
[41] 2019-12-12
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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/02 (2006.01) B65G 17/00 (2006.01)**
[25] FR
[54] **NORIA TYPE TRANSPORTATION DEVICE FOR PLATE SUPPORTS FOR BAKERY PRODUCTS OR THE LIKE**
[54] **DISPOSITIF DE TRANSPORT DE TYPE NORIA DE PLAQUES SUPPORTS DE PRODUITS DE BOULAGERIE OU SIMILAIRES**
[72] SERGENT, OLIVIER, FR
[72] PINEAU, DAMIEN, FR
[71] MECATHERM, FR
[22] 2019-06-13
[41] 2019-12-14
[30] FR (1870699) 2018-06-14

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[51] **Int.Cl. B60R 13/00 (2006.01)**
[25] EN
[54] **ADHESIVE FILM FOR TINTING AUTOMOTIVE LENSES AND METHOD**
[54] **PELLICULE ADHESIVE SERVANT A TINTER LES VITRES D'AUTOMOBILE ET METHODE**
[72] ZRIHAN, ABRAHAM, CA
[71] VVIVID VINYLS, CA
[22] 2019-06-12
[41] 2019-12-12
[30] US (62/684,084) 2018-06-12

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[25] EN
[54] **SYSTEMS AND METHODS OF TRANSACTION ROUTING**
[54] **SYSTEME ET METHODE D'ACHEMINEMENT DE TRANSACTION**
[72] LAM, BRAULIO MARTIN, CA
[72] FABRICIUS, STANISLAV ROLF KARL, CA
[72] BIRKNESS, PAUL ERIC, CA
[71] PUNGLE INC., CA
[22] 2019-06-11
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[51] **Int.Cl. G16H 10/00 (2018.01) G06F 16/23 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **DATA PLATFORM FOR AUTOMATED DATA EXTRACTION, TRANSFORMATION, AND/OR LOADING**
[54] **PLATEFORME DE DONNEES SERVANT A L'EXTRACTION DE DONNEES AUTOMATISEE, LA TRANSFORMATION OU LE CHARGEMENT**
[72] SUNDARARAMAN, ARUN, IN
[72] RAMAMOORTHY, UDAYAKUMAR, IN
[72] PARGUNARAJAN, SURESHKUMAR, IN
[72] APPUSAMY, SANGEETHA, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[22] 2019-06-12
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[30] US (16/008,602) 2018-06-14

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[51] **Int.Cl. B61B 7/06 (2006.01) B60L 5/24 (2006.01) B60M 1/00 (2006.01) B60M 7/00 (2006.01) B61B 12/00 (2006.01)**
[25] EN
[54] **CABLE TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT DE CABLE**
[72] ERHARTER, NIKOLAUS, IT
[72] WIESER, HARTMUT, IT
[72] CONTE, GIUSEPPE, IT
[71] LEITNER S.P.A., IT
[22] 2019-06-12
[41] 2019-12-12
[30] IT (102018000006234) 2018-06-12

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[51] **Int.Cl. E04H 15/32 (2006.01)**
[25] EN
[54] **STRUCTURAL COMPONENTS FOR LIGHTWEIGHT TENTS**
[54] **COMPOSANTES STRUCTURALES SERVANT A DES TENTES LEGERES**
[72] BUTLER, REESE, US
[72] PHIZACKERLY, KEITH, US
[72] TACHIBANA, DANIEL, US
[72] GUTHRIE, BEN, US
[72] GOLDBERG-POCH, ZACHARY, US
[72] RODRIGUEZ, CAROLINA, US
[71] MOUNTAIN HARDWEAR, INC., US
[22] 2019-06-12
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[51] **Int.Cl. B61K 7/02 (2006.01) B61K 7/08 (2006.01)**
[25] EN
[54] **UNIVERSAL RETARDER SYSTEM FOR RAILWAY CARS**
[54] **SYSTEME DE RALENTISSEUR UNIVERSEL DESTINE A DES WAGONS DE CHEMIN DE FER**
[72] BRAATZ, JAMES D., US
[72] NOLL, DONALD C., US
[72] STRAUB, WILLIAM D., US
[71] PRECISION RAIL AND MFG., INC., US
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[30] US (62/684.289) 2018-06-13
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[51] **Int.Cl. B61B 12/02 (2006.01) B61B 7/02 (2006.01)**
[25] EN
[54] **TROLLEY FOR SUPPORTING TRANSPORTING UNITS SUSPENDED FROM A GUIDE OF A TRANSPORTATION SYSTEM AND TRANSPORTATION SYSTEM COMPRISING SUCH A TROLLEY**
[54] **CHARIOT SERVANT A SUPPORTER DES MODULES DE TRANSPORT SUSPENDUS D'UN GUIDE D'UN SYSTEME DE TRANSPORT ET SYSTEME DE TRANSPORT COMPORTANT UN TEL CHARIOT**
[72] ERHARTER, NIKOLAUS, IT
[71] LEITNER S.P.A., IT
[22] 2019-06-12
[41] 2019-12-12
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[13] A1
[51] **Int.Cl. H01L 31/0256 (2006.01)**
[25] FR
[54] **FILM FOR PHOTOVOLTAIC CELL, FABRICATION PROCESS, ASSOCIATED PHOTOVOLTAIC CELL AND PHOTOVOLTAIC MODULE**
[54] **FILM POUR CELLULE PHOTOVOLTAIQUE, PROCEDE DE FABRICATION, CELLULE PHOTOVOLTAIQUE ET MODULE PHOTOVOLTAIQUE ASSOCIES**
[72] VONGSAYSY, UYXING, FR
[71] ARMOR, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[51] **Int.Cl. B05C 17/00 (2006.01) B05C 21/00 (2006.01) B44D 3/00 (2006.01)**
[25] EN
[54] **AN APPARATUS WITH A RETAINING CAGE**
[54] **UN APPAREIL COMPORTANT UNE CAGE DE RETENUE**
[72] SCHUSTER, MICHAEL J., US
[72] BAJEK, THOMAS R., US
[72] SAUNDERS, DOUGLAS C., US
[71] DANCO, INC., US
[22] 2019-06-12
[41] 2019-12-12
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[51] **Int.Cl. E01B 9/36 (2006.01) B65G 47/46 (2006.01) E01B 9/38 (2006.01)**
[25] EN
[54] **RAILROAD TIE PLATE DISTRIBUTION APPARATUS AND METHOD THEREFORE**
[54] **APPAREIL DE DISTRIBUTION DE PLAQUE TRAVERSE ET METHODE ASSOCIEE**
[72] COOTS, COTY T., US
[71] B&B METALS, INC., US
[22] 2019-06-14
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[51] **Int.Cl. A45F 5/00 (2006.01) A62B 99/00 (2009.01) A44C 5/00 (2006.01) A45C 11/00 (2006.01) A45C 15/04 (2006.01) A45C 15/08 (2006.01) A63B 71/06 (2006.01) G04B 47/00 (2006.01) A61J 1/03 (2006.01) G02B 5/10 (2006.01)**
[25] EN
[54] **AWARENESS DEVICE FOR ATHLETES**
[54] **DISPOSITIF DE CONSCIENTISATION DESTINE AUX ATHLETES**
[72] MAHARAJ, DAMIEN, CA
[71] DMYK INVENTIONS INC., CA
[22] 2019-06-11
[41] 2019-12-13
[30] US (16/007,381) 2018-06-13

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[13] A1
[51] **Int.Cl. G06F 17/27 (2006.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **PORTFOLIO-BASED TEXT ANALYTICS TOOL**
[54] **OUTIL D'ANALYSE DE TEXTE FONDEE SUR LE PORTEFEUILLE**
[72] TUREK, TOMAS, CA
[72] KHALED, YUSUF, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-06-13
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[51] **Int.Cl. G06F 17/27 (2006.01) G06N 20/00 (2019.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING NATURAL LANGUAGE STATEMENTS**
[54] **SYSTEME ET METHODE DE TRAITEMENT D'ENONCES EN LANGAGE NATUREL**
[72] MCGOLDRICK, GARRIN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-06-13
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[30] US (62/684,377) 2018-06-13

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[51] **Int.Cl. E04G 7/06 (2006.01)**
[25] EN
[54] **CLAMP FOR REMOVABLY SECURING A PLANK TO AN ELONGATED MEMBER**
[54] **PINCE SERVANT A FIXER DE MANIERE AMOVIBLE UNE PLANCHE A UN ELEMENT ALLONGE**
[72] GILBERT, JACQUES, CA
[71] GILBERT, JACQUES, CA
[22] 2019-06-12
[41] 2019-12-13
[30] GB (1809721.2) 2018-06-13

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[51] **Int.Cl. B32B 37/12 (2006.01) B32B 3/12 (2006.01) B32B 5/18 (2006.01) B32B 7/12 (2006.01) B32B 27/04 (2006.01)**
[25] FR
[54] **MANUFACTURING PROCESS FOR A COMPOSITE PANEL AND COMPOSITE PANEL OBTAINED BY THE SAID PROCESS**
[54] **PROCEDE DE REALISATION D'UN PANNEAU COMPOSITE ET PANNEAU COMPOSITE OBTENU PAR LEDIT PROCEDE**
[72] CATHERINEAU, MARIE, FR
[72] CATHERINEAU, ANNE-SOPHIE, FR
[71] CATH'AIR, FR
[22] 2019-06-14
[41] 2019-12-14
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[51] **Int.Cl. H01B 11/02 (2006.01) H01B 7/02 (2006.01)**
[25] EN
[54] **CABLE HAVING SHIELDING TAPE WITH CONDUCTIVE SHIELDING SEGMENTS**
[54] **CABLE COMPORTANT UN RUBAN DE GAINAGE DOTE DE SEGMENTS DE GAINAGE CONDUCTEURS**
[72] BROWN, SCOTT M., US
[72] THWAITES, STEPHEN A., US
[72] MALKEMUS, JAMES D., US
[71] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[22] 2019-06-14
[41] 2019-12-14
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[51] **Int.Cl. B60P 1/56 (2006.01) B61D 7/20 (2006.01) B61D 7/28 (2006.01) B65D 90/54 (2006.01) B65G 65/40 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONVERTING A COMMODITY TRAILER WITH GRAVITY DISCHARGE SLIDE GATES TO BE COMPATIBLE WITH A PNEUMATIC OUTLET GATE AND AN INTERCHANGEABLE PNEUMATIC GATE THEREFOR**
[54] **SYSTEME ET METHODE DE CONVERSION D'UNE REMORQUE-CITERNE EQUIPEE DE PORTES COULISSANTES DE VIDAGE PAR GRAVITE POUR LA RENDRE COMPATIBLE AVEC UNE PORTE DE SORTIE PNEUMATIQUE ET UNE PORTE PNEUMATIQUE INTERCHANGEABLE ASSOCIEE**
[72] PLAZEK, BRETT, US
[71] WILSON TRAILER COMPANY, US
[22] 2019-06-13
[41] 2019-12-14
[30] US (62/684,953) 2018-06-14
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[51] **Int.Cl. E01H 10/00 (2006.01) E01C 11/24 (2006.01) E01C 19/20 (2006.01)**
[25] EN
[54] **SALT SPREADER ATTACHABLE TO EARTH MOVING EQUIPMENT**
[54] **EPANDEUSE DE SEL FIXABLE A UN EQUIPEMENT DE DEPLACEMENT DE TERRE**
[72] STRAIT, RANDY WAYNE, US
[72] STRAIT, BLAKE LLOYD, US
[71] ARCTIC SNOW AND ICE CONTROL, INC., US
[22] 2019-06-13
[41] 2019-12-13
[30] US (62/684,739) 2018-06-13

[21] **3,046,745**
[13] A1
[51] **Int.Cl. B24B 19/00 (2006.01)**
[25] EN
[54] **GRINDING ASSEMBLIES FOR GRINDING WELDING RODS**
[54] **ASSEMBLAGES DE BROYAGE DESTINES A DES TIGES DE SOUDAGE BROYAGE**
[72] HOSSEINI, SEYEDHADI, US
[71] HOSSEINI, SEYEDHADI, US
[22] 2019-06-14
[41] 2019-12-14
[30] US (62/684,841) 2018-06-14
[30] US (16/438,719) 2019-06-12

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[13] A1
[51] **Int.Cl. A61K 35/33 (2015.01)**
[25] EN
[54] **COMPOSITION AND METHODS FOR REGULATING EXTRACELLULAR MATRIX ACCUMULATION**
[54] **COMPOSITION ET METHODES DE REGULATION D'ACCUMULATION DE MATRICE EXTRACELLULAIRE**
[72] LIU, FEI-FEI, CA
[72] ZHAO, XIAO, CA
[72] YIP, KENNETH, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[22] 2019-06-14
[41] 2019-12-14
[30] US (62/685,076) 2018-06-14

[21] **3,050,304**
[13] A1
[51] **Int.Cl. E04G 11/48 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM TO SECURE SHORING DECK**
[54] **METHODE ET SYSTEME DE FIXATION DE PLATEFORME DE CHEVALEMENT**
[72] BACON, DAVID L., US
[72] SHILLING, D. RANDALL, US
[72] ABT, KAMERON M., US
[71] TITAN FORMWORK SYSTEMS, LLC, US
[22] 2019-07-22
[41] 2019-12-13
[30] US (62/702,087) 2018-07-23
[30] US (16/158,990) 2018-10-12

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[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/00 (2006.01) A61M 15/06 (2006.01) H02J 7/00 (2006.01) H05K 1/14 (2006.01) H02J 50/10 (2016.01)**
[25] EN
[54] **VAPORIZATION DEVICE CHARGER**
[54] **CHARGEUR D'APPAREIL DE VAPORISATION**
[72] FORNARELLI, THOMAS, US
[71] DB INNOVATION INC, US
[22] 2019-10-03
[41] 2019-12-10
[30] US (16/151,127) 2018-10-03

[21] **3,058,186**
[13] A1
[51] **Int.Cl. G01B 21/32 (2006.01) B64C 25/00 (2006.01) B64D 45/00 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR SENSING AN ELASTIC DEFORMATION OF A HOLLOW ELEMENT**
[54] **UN APPAREIL DE DETECTION DE DEFORMATION ELASTIQUE D'UN ELEMENT CREUX**
[72] BELLERA, JACQUES, FR
[72] HELLIO, PATRICK, FR
[72] QUEIRAS, NICOLAS, FR
[72] DUVAL, MARCELO, DE
[72] STORZ, TOBIAS, DE
[71] AIRBUS HELICOPTERS, FR
[71] LIEBHERR-AEROSPACE LINDENBERG GMBH, DE
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Demandes PCT entrant en phase nationale

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING A HIGH-RESOLUTION MAP BASED ON BINOCULAR IMAGES**
[54] **SYSTEMES ET METHODES D'ACTUALISATION D'UNE CARTE HAUTE RESOLUTION FONDEESUR DES IMAGES BINOCULAIRES**
[72] YANG, SHENG, CN
[72] MA, TENG, CN
[72] QU, XIAOZHI, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
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[87] (3027055)

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[13] A1
[51] **Int.Cl. B01D 5/00 (2006.01) B01D 1/00 (2006.01) C11B 1/10 (2006.01) C11B 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXTRACTING AND SEPARATING BOTANICAL OILS WITHOUT THE USE OF SOLVENTS**
[54] **SYSTEME ET METHODE D'EXTRACTION ET DE SEPARATION D'HUILES BOTANIQUES SANS UTILISATION DE SOLVANTS**
[72] DOOLEY, KEVIN ALLAN, CA
[72] MORRIS, ELWOOD A., CA
[72] BELL, JOSHUA DAVID, CA
[72] DOOLEY, ADAM CHARLES, CA
[71] BOTANICAL EXTRACTION SOLVENT FREE LTD., CA
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[86] 2019-02-27 (PCT/CA2019/050231)
[87] (3046305)
[30] CA (3006692) 2018-05-30

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[13] A1
[51] **Int.Cl. C09D 153/00 (2006.01) B82Y 15/00 (2011.01) C08J 7/12 (2006.01)**
[25] EN
[54] **SELF ASSEMBLING MIXED BLOCK COPOLYMER FOR NANOSTRUCTURED FUNCTIONAL FILMS**
[54] **COPOLYMERE SEQUENCE MIXTE A AUTO-ASSEMBLAGE POUR FILMS FONCTIONNELS NANOSTRUCTURES**
[72] DESCHENES, LOUISE, CA
[72] LEGO, BEATRICE, CA
[72] SAINT-GERMAIN, FRANCOIS, CA
[72] ROBERT, NORMAND, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINIST OF AGRICULTURE AND AGRI-FOOD, CA
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[86] 2018-02-06 (PCT/CA2018/050134)
[87] (WO2018/141073)
[30] US (62/455,358) 2017-02-06

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[13] A1
[51] **Int.Cl. B62K 21/04 (2006.01) B62J 99/00 (2009.01) B62J 11/00 (2006.01)**
[25] EN
[54] **MOTORISED VEHICLE COMPRISING A CONNECTED FORK CROWN**
[54] **VEHICULE MOTORISE COMPRENANT UN TE DE DIRECTION CONNECTE**
[72] SIMON, JEAN-FRANCOIS, FR
[71] IRIDER, FR
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[86] 2018-02-27 (PCT/FR2018/050462)
[87] (WO2018/162820)
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[13] A1
[51] **Int.Cl. A61K 35/34 (2015.01)**
[25] EN
[54] **NEUROMUSCULAR JUNCTION**
[54] **JONCTION NEUROMUSCULAIRE**
[72] SAREEN, DHRUV, US
[72] MANDEFRO, BERHAN, US
[72] KAUS, ANJOSCHA, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2019-09-10
[86] 2018-03-14 (PCT/US2018/022511)
[87] (WO2018/170180)
[30] US (15/458,185) 2017-03-14
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[13] A1
[51] **Int.Cl. A01M 19/00 (2006.01) A01M 29/16 (2011.01)**
[25] EN
[54] **A METHOD FOR INDUCING LETHAL LESIONS IN SENSORY ORGANS OF UNDESIRABLE AQUATIC ORGANISMS BY THE USE OF SOUND**
[54] **PROCEDE D'INDUCTION DE LESIONS MORTELLES DANS LES ORGANES SENSORIELS D'ORGANISMES AQUATIQUES INDESIRABLES AU MOYEN DU SON**
[72] ANDRE, MICHEL, ES
[72] SOLE, MARTA, ES
[72] VAN DER SCHAAR, MIKE, ES
[72] DE VREESE, STEFFEN, ES
[71] SEASEL SOLUTIONS AS, NO
[85] 2019-09-13
[86] 2018-03-13 (PCT/EP2018/056142)
[87] (WO2018/167003)
[30] NO (20170377) 2017-03-14
[30] US (62/470,906) 2017-03-14

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) A61K 31/00 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR INCREASING GENOME EDITING EFFICIENCY**
[54] **COMPOSES D'AUGMENTATION D'EFFICACITE D'EDITION GENIQUE**
[72] RIESENBERG, STEPHAN, DE
[72] MARICIC, TOMISLAV, DE
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
[85] 2019-10-01
[86] 2018-04-10 (PCT/EP2018/059173)
[87] (WO2018/189186)
[30] EP (17165784.4) 2017-04-10
[30] EP (17203591.7) 2017-11-24

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[13] A1
[51] **Int.Cl. C12P 21/02 (2006.01) B01D 15/36 (2006.01) B01J 20/14 (2006.01) C07K 16/06 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **CELL CULTURE CLARIFICATION**
[54] **CLARIFICATION DE CULTURE CELLULAIRE**
[72] CASTILLO, JOSE, BE
[72] MEDVEDEV, VASILY, BE
[71] UNIVERCELLS S.A., BE
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[54] **PROCEDE DE CONVERSION D'INVERTEBRES EN PRODUIT DE DEPART**
[72] PIPAN, MIHA, GB
[71] ENTOMICS BIOSYSTEMS LIMITED, GB
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[25] EN
[54] **BRASSICACEAE PROTEIN EXTRACT AND USES THEREOF**
[54] **EXTRAIT DE PROTEINE DE BRASSICACEAE ET UTILISATIONS ASSOCIEES**
[72] FETISSOV, SERGUEI, FR
[72] LAMBERT, GREGORY, FR
[72] LEGRAND, ROMAIN, FR
[72] LUCAS, NICOLAS, FR
[71] TARGEDYS, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE ROUEN, FR
[85] 2019-10-02
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[54] **MULTI-VIEW DISPLAY DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'AFFICHAGE MULTIVUE**
[72] VERSTEGEN, EMILE JOHANNES KAREL, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2019-10-02
[86] 2018-04-04 (PCT/EP2018/058555)
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[25] EN
[54] **TUMOR NECROSIS FACTOR RECEPTOR (TNFR) BINDING PROTEIN COMPLEX WITH IMPROVED BINDING AND BIOACTIVITY**
[54] **COMPLEXE PROTEIQUE DE LIAISON AU RECEPTEUR DU FACTEUR DE NECROSE TUMORALE (TNFR) A LIAISON ET BIOACTIVITE AMELIOREES**
[72] FISCHER, ROMAN, DE
[72] KONTERMANN, ROLAND, DE
[72] PFIZENMAIER, KLAUS, DE
[72] SIEGEMUND, MARTIN, DE
[71] UNIVERSITAT STUTTGART, DE
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[25] EN
[54] **NOZZLE RING FOR A TURBOCHARGER**
[54] **COURONNE DIRECTRICE POUR UN TURBOCOMPRESSEUR A GAZ D'ECHAPPEMENT**
[72] MORATH, CHRISTOPH, DE
[72] GWEHENBERGER, TOBIAS, CH
[71] ABB TURBO SYSTEMS AG, CH
[85] 2019-10-02
[86] 2018-04-12 (PCT/EP2018/059439)
[87] (WO2018/189319)
[30] DE (10 2017 108 057.0) 2017-04-13

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[25] EN
[54] **CURABLE RESIN SYSTEM**
[54] **SYSTEME DE RESINE DURCISSABLE**
[72] KINCAID, DEREK, US
[72] LE, DONG, US
[72] JOHNSON, DAVID LANHAM, US
[71] HUNTSMAN ADVANCED MATERIALS AMERICAS LLC, US
[85] 2019-10-09
[86] 2018-04-18 (PCT/US2018/028157)
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[54] **CHARGING METHOD AND CHARGING APPARATUS**
[54]
[72] ZHANG, JUN, CN
[72] QU, CHUNYING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-19
[86] 2018-05-31 (PCT/CN2018/089321)
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[25] EN
[54] **SYSTEMS**
[54] **SYSTEMES**
[72] PARMAR, MALIN, SE
[72] JAKOBSSON, JOHAN, SE
[72] DROUIN-OUELLET, JANELLE, SE
[72] LAU, SHONG, US
[71] NEW YORK STEM CELL FOUNDATION, INC., US
[85] 2019-11-08
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[25] EN
[54] **PAPER-IN-RESIN ELECTRONICS - PROCESS FOR PRODUCING IT AND APPLICATION IN MANUFACTURED PRODUCTS**
[54] **ELECTRONIQUE PAPIER A REVETEMENT RESINE, SON PROCEDE DE PRODUCTION ET SON APPLICATION DANS DES PRODUITS MANUFACTURES**
[72] DEPRES, GAEL, FR
[72] VAU, JEAN-MARIE, FR
[71] ARJO WIGGINS FINE PAPERS LIMITED, GB
[85] 2019-11-08
[86] 2018-05-16 (PCT/EP2018/062820)
[87] (WO2018/210977)
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[51] **Int.Cl. G21H 1/02 (2006.01) G21H 1/06 (2006.01)**
[25] EN
[54] **RADIATION POWERED DEVICES COMPRISING DIAMOND MATERIAL AND ELECTRICAL POWER SOURCES FOR RADIATION POWERED DEVICES**
[54] **DISPOSITIFS ALIMENTES PAR RAYONNEMENT COMPRENANT UN MATERIAU DE DIAMANT ET SOURCES D'ENERGIE ELECTRIQUE POUR DISPOSITIFS ALIMENTES PAR RAYONNEMENT**
[72] SCOTT, THOMAS, GB
[72] FOX, NEIL, GB
[72] PAYNE, LIAM, GB
[72] HUTSON, CHRIS, GB
[72] DOMINGUEZ ANDRADE, HUGO, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2019-11-08
[86] 2018-05-10 (PCT/GB2018/051258)
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[30] GB (1707486.5) 2017-05-10
[30] US (62/504,012) 2017-05-10

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[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPLEMETING A META-QUEUE FOR TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES POUR METTRE EN OEUVRE UNE META-FILE D'ATTENTE POUR DES TRANSACTIONS**
[72] FACINI, ADRIAN, US
[72] CHUNG, FRANCIS, US
[72] AISEN, DANIEL, US
[72] PARK, ROBERT, US
[72] KATSUYAMA, BRADLEY, US
[72] SOKOLOFF, CONSTANTINE, US
[72] STOCKLAND, ERIC WAYNE, US
[71] IEX GROUP, INC., US
[85] 2019-11-08
[86] 2018-05-04 (PCT/US2018/031040)
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[30] US (15/589,406) 2017-05-08

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[51] **Int.Cl. F16J 1/10 (2006.01) F16J 1/12 (2006.01)**
[25] EN
[54] **PISTON ROD**
[54] **TIGE DE PISTON**
[72] COVALT, JOHNNY, US
[72] BLAIN, RICK, US
[72] LANE, ANDY, US
[72] HENKE, JOSEPH ALBERT, US
[72] LANGFORD, DALE, US
[71] HUNTING TITAN, INC., US
[85] 2019-11-08
[86] 2018-05-18 (PCT/US2018/033492)
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[30] US (62/508,698) 2017-05-19

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[25] EN
[54] **PRESSURE BULKHEAD**
[54] **CLOISON ETANCHE**
[72] LANGFORD, DALE, US
[72] BLAIN, RICK, US
[72] PUNDOLE, FARAIDOON, US
[72] MCBRIDE, GENE, US
[72] SANSING, JOEL, US
[71] HUNTING TITAN, INC., US
[85] 2019-11-08
[86] 2018-05-18 (PCT/US2018/033509)
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[51] **Int.Cl. F04B 49/22 (2006.01) F04B 25/00 (2006.01) F04B 41/06 (2006.01)**
[25] EN
[54] **FLEXIBLE SUPPLY GAS ROUTING FOR GAS COMPRESSORS**
[54] **ACHEMINEMENT DE GAZ D'ALIMENTATION FLEXIBLE POUR COMPRESSEURS DE GAZ**
[72] ECHTER, NICHOLAS, US
[72] WEYER-GEIGEL, KRISTINA, US
[71] ONBOARD DYNAMICS, INC., US
[85] 2019-11-08
[86] 2018-05-21 (PCT/US2018/033592)
[87] (WO2018/217594)
[30] US (62/509,403) 2017-05-22

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[13] A1
[51] **Int.Cl. G01N 27/30 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **DRINKING WATER HEAVY METALS SENSOR AND METHODS FOR USE THEREOF**
[54] **CAPTEUR DE METAUX LOURDS POUR EAU POTABLE ET SES PROCEDES D'UTILISATION**
[72] LIN, WEN-CHI, US
[72] BURNS, MARK A., US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2019-11-08
[86] 2018-05-22 (PCT/US2018/033931)
[87] (WO2018/217782)
[30] US (62/509,537) 2017-05-22

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[51] **Int.Cl. H05B 6/10 (2006.01) H05B 6/44 (2006.01)**
[25] EN
[54] **INDUCTION HEATING METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE CHAUFFAGE PAR INDUCTION**
[72] LIEBERT, SCOTT, US
[72] VERHAGEN, PAUL, US
[72] SALSICH, ANTHONY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2019-11-08
[86] 2018-05-23 (PCT/US2018/034082)
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[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/506 (2006.01) C09K 8/514 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **DATE TREE TRUNK AND RACHIS-BASED SUPERFINE FIBROUS MATERIALS FOR SEEPAGE LOSS CONTROL**
[54] **MATIERES FIBREUSES SUPERFINES A BASE DE RACHIS ET DE TRONC DE DATTIER POUR REGULER LA PERTE D'EXFILTRATION**
[72] AMANULLAH, MD, SA
[72] RAMASAMY, JOTHIBASU, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-08
[86] 2018-05-24 (PCT/US2018/034291)
[87] (WO2018/222478)
[30] US (62/512,447) 2017-05-30
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[13] A1
[51] **Int.Cl. B65G 23/04 (2006.01)**
[25] EN
[54] **SEALED SPROCKET FOR A CONVEYOR SYSTEM**
[54] **ROUE DENTEE ETANCHE POUR UN SYSTEME DE TRANSPORTEUR**
[72] DEGROOT, MICHAEL HENDRIK, US
[72] KOKX, DAVID A., US
[71] LAITRAM, L.L.C., US
[85] 2019-11-08
[86] 2018-06-06 (PCT/US2018/036243)
[87] (WO2018/226819)
[30] US (62/516,759) 2017-06-08

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) C07K 14/72 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **T CELLS EXPRESSING A CHIMERIC ANTIGEN RECEPTOR**
[54] **LYMPHOCYTES T EXPRIMANT UN RECEPTEUR D'ANTIGENE CHIMERIQUE**
[72] MAUS, MARCELA V., US
[72] ORMHOJ, MARIA, DK
[72] BARINGTON, TORBEN, DK
[71] THE GENERAL HOSPITAL CORPORATION, US
[71] UNIVERSITY OF SOUTHERN DENMARK, DK
[85] 2019-11-08
[86] 2018-06-07 (PCT/US2018/036465)
[87] (WO2018/226958)
[30] US (62/516,234) 2017-06-07
[30] US (62/627,514) 2018-02-07

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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **CARRIER AGGREGATION UNDER DIFFERENT SUBFRAME STRUCTURES IN NEW RADIO**
[54] **AGREGATION DE PORTEUSES DANS DIFFERENTES STRUCTURES DE SOUS-TRAMES DANS UNE NOUVELLE RADIO**
[72] CHEN, WANSHI, US
[72] LEE, HEECHOON, US
[72] JI, TINGFANG, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-08
[86] 2018-06-11 (PCT/US2018/036830)
[87] (WO2018/231678)
[30] US (62/521,172) 2017-06-16
[30] US (16/003,753) 2018-06-08

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[51] **Int.Cl. H04N 19/52 (2014.01)**
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[54] **MOTION VECTOR PREDICTION**
[54] **PREDICTION DE VECTEURS DE MOUVEMENT**
[72] CHEN, YI-WEN, US
[72] CHIEN, WEI-JUNG, US
[72] SUN, YU-CHEN, US
[72] ZHANG, LI, US
[72] LEE, SUNGWON, US
[72] LI, XIANG, US
[72] CHUANG, HSIAO-CHIANG, US
[72] CHEN, JIANLE, US
[72] SEREGIN, VADIM, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-08
[86] 2018-06-11 (PCT/US2018/036883)
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[51] **Int.Cl. G06F 21/10 (2013.01) G06F 21/12 (2013.01) H04L 9/32 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SOFTWARE ACTIVATION AND LICENSE TRACKING**
[54] **SYSTEME ET PROCEDE D'ACTIVATION DE LOGICIEL ET DE SUIVI DE LICENCE**
[72] KOSOVAN, OLEKSANDR, US
[71] MACPAW, INC., US
[85] 2019-11-11
[86] 2017-09-20 (PCT/US2017/052567)
[87] (WO2018/217224)
[30] US (15/601,909) 2017-05-22

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[51] **Int.Cl. E04B 1/00 (2006.01) E04B 1/10 (2006.01) E04B 1/26 (2006.01) E04B 2/00 (2006.01) E04B 2/70 (2006.01) E04H 1/00 (2006.01)**
[25] EN
[54] **PREFABRICATED BUILDING MODULE**
[54] **MODULE DE BATIMENT PREFABRIQUE**
[72] PATTERSON, DARYL, AU
[72] DEAS, GREG, AU
[71] LENDLEASE MANUFACTURED PRODUCTS PTY LIMITED, AU
[85] 2019-11-12
[86] 2017-05-15 (PCT/AU2017/050443)
[87] (WO2017/193179)
[30] AU (2016901789) 2016-05-13

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **BIOMARKERS AND USES THEREOF**
[54] **BIOMARQUEURS ET UTILISATIONS DE CES DERNIERS**
[72] HUYGENS, FLAVIA, AU
[71] MICROBIO PTY LTD, AU
[85] 2019-11-12
[86] 2018-05-17 (PCT/AU2018/050471)
[87] (WO2018/209398)
[30] AU (2017901846) 2017-05-17

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/689 (2018.01)**
[25] EN
[54] **METHOD FOR DETECTING C. PERFRINGENS INDUCED DISEASES IN ANIMALS**
[54] **PROCEDE DE DETECTION DE MALADIES INDUITES PAR C. PERFRINGENS CHEZ DES ANIMAUX**
[72] FLUGEL, MONIKA, DE
[72] PELZER, STEFAN, DE
[72] VAN IMMERSEEL, FILIP, BE
[72] DUCATELLE, RICHARD, BE
[72] GOOSSENS, EVY, BE
[72] HARK, SARAH, DE
[72] THIEMANN, FRANK, DE
[72] BOHL, FLORIAN, DE
[71] EVONIK OPERATIONS GMBH, DE
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[87] (WO2018/206690)
[30] EP (17170811.8) 2017-05-12
[30] US (62/531,000) 2017-07-11
[30] CN (201710646838.1) 2017-08-01

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[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/0484 (2006.01)**
[25] EN
[54] **METHOD, COMMAND, DEVICE AND PROGRAM TO DETERMINE AT LEAST ONE BRAIN NETWORK INVOLVED IN CARRYING OUT A GIVEN PROCESS**
[54] **PROCEDE, DISPOSITIF ET PROGRAMME POUR DETERMINER AU MOINS UN RESEAU CEREBRAL IMPLIQUE DANS UNE REALISATION D'UN PROCESSUS DONNE**
[72] WENDLING, FABRICE, FR
[72] HASSAN, MAHMOUD, FR
[71] UNIVERSITE DE RENNES 1, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[85] 2019-08-20
[86] 2018-02-14 (PCT/EP2018/053726)
[87] (WO2018/153762)
[30] FR (1751585) 2017-02-27
[30] FR (1756378) 2017-07-06

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL CD73 ANTIBODY, PREPARATION AND USES THEREOF**
[54] **NOUVEL ANTICORPS ANTI-CD73 ET UTILISATIONS ASSOCIEES**
[72] ZEIDLER, REINHARD, DE
[72] VON NEUBECK, BETTINA, DE
[72] FEEDERLE, REGINA, DE
[72] HAUCK, STEFANIE, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEITND UMWELT (GMBH), DE
[85] 2019-11-07
[86] 2018-05-23 (PCT/EP2018/063498)
[87] (WO2018/215535)
[30] LU (LU100265) 2017-05-23

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[51] **Int.Cl. A23L 7/109 (2016.01)**
[25] EN
[54] **HARDENING INHIBITOR OF BRINE-CONTAINING NOODLES OR BRINE-CONTAINING WONTON WRAPPER**
[54] **INHIBITEUR DE DURCISSEMENT POUR NOUILLES CONTENANT DE LA SAUMURE OU PATE DE RAVIOLIS CHINOIS CONTENANT DE LA SAUMURE**
[72] KAMINAGA, YUKI, JP
[72] NODA, TETSUJI, JP
[72] ISHII, TOSHIYA, US
[72] KOBAYASHI, TETSUYA, US
[71] YUKI GOSEI KOGYO CO., LTD., JP
[85] 2019-11-12
[86] 2018-05-24 (PCT/JP2018/019936)
[87] (WO2018/216755)
[30] JP (2017-102521) 2017-05-24

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[51] **Int.Cl. A41D 19/00 (2006.01) A41D 13/05 (2006.01) A41D 13/06 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01) A41D 31/02 (2019.01) A42B 3/00 (2006.01) A43B 1/00 (2006.01)**
[25] EN
[54] **PROTECTIVE GARMENTS**
[54] **VETEMENTS DE PROTECTION**
[72] ANDRESEN, LARS PETTER, NO
[71] OPTIPRO CORP LTD., GB
[71] ANDRESEN, LARS PETTER, NO
[85] 2019-11-12
[86] 2017-05-16 (PCT/IB2017/000572)
[87] (WO2018/211294)

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[13] A1
[51] **Int.Cl. G01B 11/16 (2006.01) G01K 11/32 (2006.01) G01L 1/24 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING DEFORMATION, AND ASSOCIATED EQUIPMENT**
[54] **PROCEDE DE DETERMINATION DE DEFORMATION, ET EQUIPEMENT ASSOCIE**
[72] AMOURAK, MOUNIR, FR
[72] RABELO NUNES CAMPOS, THIAGO, FR
[72] PIERRET, HERVE, FR
[72] KRAUTH, PIERRE-JEAN, FR
[72] SERT, DOMINIQUE, FR
[72] IEZZI, JOSEPH, FR
[72] NOGUES, MICHEL, FR
[71] ARCELORMITTAL, LU
[85] 2019-11-12
[86] 2018-05-31 (PCT/IB2018/000585)
[87] (WO2018/220436)
[30] IB (PCT/IB2017/000682) 2017-06-02

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[13] A1
[51] **Int.Cl. G01R 15/06 (2006.01) G01R 15/16 (2006.01)**
[25] EN
[54] **SENSORS WITH DISCRETE CAPACITORS FOR HIGH VOLTAGE SEPARABLE CONNECTORS**
[54] **CAPTEURS A CONDENSATEURS DISCRETS POUR CONNECTEURS HAUTE TENSION SEPARABLES**
[72] LOYD, JAYLON D., US
[72] WILSON, CHRISTOPHER R., US
[72] WENTZEL, CARL J., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2019-11-12
[86] 2018-05-08 (PCT/IB2018/053207)
[87] (WO2018/211358)
[30] US (62/507,466) 2017-05-17

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[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 3/048 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **ULTRASAFE LOGIN**
[54] **OUVERTURE DE SESSION ULTRASENSIBLE**
[72] SHARMA, GAURAV, IN
[71] SHARMA, GAURAV, IN
[85] 2019-11-12
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[54] **SYSTEM AND APPARATUS FOR FERTILITY AND HORMONAL CYCLE AWARENESS**
[54] **SYSTEME ET APPAREIL POUR LA SURVEILLANCE DE LA FERTILITE ET DU CYCLE HORMONAL**
[72] BONGIORNO, BETHANY, US
[72] CHAUDHRI, IMRAN A., US
[71] HUMANE, LLC, US
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[54] **WEARABLE MULTIMEDIA DEVICE AND CLOUD COMPUTING PLATFORM WITH APPLICATION ECOSYSTEM**
[54] **DISPOSITIF MULTIMEDIA PORTABLE ET PLATEFORME INFORMATIQUE EN NUAGE AVEC ECOSYSTEME D'APPLICATION**
[72] CHAUDHRI, IMRAN A., US
[72] BONGIORNO, BETHANY, US
[72] CHAUDHRI, SHAHZAD, US
[71] HUMANE, LLC, US
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[54] **L-SHAPED CROSSARM, RELATED SYSTEM, AND METHOD OF ASSEMBLY**
[54] **TRAVERSE EN FORME DE L, SYSTEME ASSOCIE ET PROCEDE D'ASSEMBLAGE**
[72] ARLUND, JOSHUA, US
[72] MOORE, DOUGLAS, US
[72] ROLLINS, PHILLIP, US
[72] FREDERICKSON, LUKE, US
[72] KROHN, TYLER, US
[72] PRATT, JARED, US
[71] MACLEAN POWER, L.L.C., US
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[54] **TOPICAL COMPOSITIONS AND METHODS FOR TREATING SKIN DISEASES**
[54] **COMPOSITIONS TOPIQUES ET METHODES DE TRAITEMENT DE MALADIES CUTANES**
[72] ANGEL, ARTUTO, US
[72] PILLAI, RADHAKRISHNAN, US
[71] BAUSCH HEALTH US, LLC, US
[85] 2019-11-12
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[54] **PROCEDE DE PAIEMENT SECURISE**
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[71] SHARMA, GAURAV, IN
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[54] **KIT DE CORRECTION D'ONGLE**
[72] HOJBERG, DIANA, DK
[71] L/N HEALTH AND BEAUTY APS, DK
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[54] **SYSTEM AND METHOD FOR COMPUTED AXIAL LITHOGRAPHY (CAL) FOR 3D ADDITIVE MANUFACTURING**
[54] **SYSTEME ET PROCEDE DE LITHOGRAPHIE AXIALE ASSISTEE PAR ORDINATEUR (CAL) POUR UNE FABRICATION ADDITIVE 3D**
[72] KELLY, BRETT, US
[72] PANAS, ROBERT MATTHEW, US
[72] SHUSTEFF, MAXIM, US
[72] SPADACCINI, CHRISTOPHER, US
[72] TAYLOR, HAYDEN, US
[72] BHATTACHARYA, INDRASEN, US
[71] TAYLOR, HAYDEN, US
[71] BHATTACHARYA, INDRASEN, US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[54] **METHOD FOR STEAM EXTRACTION OF BITUMEN**
[54] **PROCEDE POUR L'EXTRACTION A LA VAPEUR DE BITUME**
[72] WILLIAMSON, ALEXANDER, US
[72] WITHAM, COLE A., US
[72] YOUNG, TIMOTHY J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **HYDROENTANGLED AIRLAID PROCESS AND INDUSTRIAL WIPE PRODUCTS**
[54] **PROCEDE DE FABRICATION PAR VOIE AEROLIQUE ET PROCEDE DE LIAGE PAR JET D'EAU ET PRODUITS D'ESSUYAGE INDUSTRIELS**
[72] KNOWLSON, RICHARD, US
[72] MARIANI, ERIC, FR
[72] COLLINS, GEOFFREY W., CH
[71] JACOB HOLM & SONS AG, CH
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[54] **PROTHESES FEMORALES PRESENTANT DES CAPACITES D'AGRANDISSEMENT ET DE REDUCTION DE TAILLE**
[72] CROLL, VANESSA, US
[71] ZIMMER, INC., US
[85] 2019-11-12
[86] 2018-05-04 (PCT/US2018/031177)
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[54] **METHODS OF DIAGNOSING AND TREATING CHRONIC KIDNEY DISEASE**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT D'UNE MALADIE RENALE CHRONIQUE**
[72] BIOURGE, VINCENT, FR
[72] ELLIOTT, JONATHAN, GB
[72] VAN DEN BROEK, DIRK HENDRIK NICOLAAS, GB
[72] JEPSON, ROSANNE ELLEN, GB
[72] CHANG, YU-MEI, GB
[71] MARS, INCORPORATED, US
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[54] **CATIONIC LIQUID CRYSTALLINE NANOPARTICLES**
[54] **NANOPARTICULES CRISTALLINES LIQUIDES CATIONIQUES**
[72] GENTILE, EMANUELA, US
[72] LIN, JI, US
[72] ROTH, JACK A., US
[71] BOARD OF REGENTS, THE UNIVESTIY OF TEXAS SYSTEM, US
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[54] **ADVANCED GATE DRIVERS FOR SILICON CARBIDE BIPOLAR JUNCTION TRANSISTORS**
[54] **EXCITATEURS DE GRILLE AVANCES POUR TRANSISTORS A JONCTION BIPOLAIRE AU CARBURE DE SILICIUM**
[72] ARRIBAS, ALEJANDRO POZO, US
[72] KRISHNAMURTHY, MAHESH, US
[71] SOFTWARE MOTOR COMPANY, US
[85] 2019-11-12
[86] 2018-06-11 (PCT/US2018/036817)
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[54] **METHODS FOR TREATING LUNG DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES PULMONAIRES**
[72] BALTEZOR, MICHAEL, US
[72] MCCLOREY, MATTHEW, US
[72] JOHNSTON, WILLIAM, US
[72] DIZEREGA, GERE S., US
[72] VERCO, JAMES, US
[71] CRITITECH, INC., US
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[54] **DUAL-LAYERED FABRIC FOR USE IN POCKETED SPRING ASSEMBLY**
[54] **TISSU A DOUBLE COUCHE DESTINE A ETRE UTILISE DANS UN ENSEMBLE RESSORT ENSACHE**
[72] JEWETT, JASON, US
[72] RICHMOND, DARRELL A., US
[71] L&P PROPERTY MANAGEMENT COMPANY, US
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[54] **END EFFECTOR AND END EFFECTOR DRIVE APPARATUS**
[54] **EFFECTEUR TERMINAL ET APPAREIL D'ENTRAINEMENT D'EFFECTEUR TERMINAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
[72] PARK, YONGMAN, US
[72] LEE, JEIHAN, US
[72] KIM, HONGMIN, US
[72] NAM, KIHOON, US
[72] HAN, SEOKYUNG, US
[71] COLUBRISMX, INC, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **A METHOD FOR PRODUCING POTASSIUM 1,1 -DINITRAMINO-5,5-BISTETRAZOLATE AND EXPLOSIVE COMPOSITIONS COMPRISING SAID SALT**
[54] **COMPOSE EXPLOSIF ET SON PROCEDE DE FABRICATION**
[72] MULLER, ELMAR LENNOX, ZA
[72] KLAPOTKE, THOMAS M., DE
[72] STIERSTORFER, JORG, DE
[72] BOLTER, MARC F., DE
[72] VOLKL, MAURUS, DE
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
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[54] **IMPLANTS FOR TISSUE FIXATION AND FUSION**
[54] **IMPLANTS POUR FIXATION ET FUSION DE TISSU**
[72] KYLE, KUNTZ, US
[72] PATEL, SHYAM, US
[71] CUTTING EDGE SPINE LLC, US
[85] 2019-11-11
[86] 2018-05-11 (PCT/US2018/032215)
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[25] EN
[54] **PRODUCTS AND METHODS FOR THERAPEUTIC ADMINISTRATION OF MICROORGANISMS TO NON-HUMAN ANIMALS**
[54] **PRODUITS ET PROCEDES D'ADMINISTRATION THERAPEUTIQUE DE MICRO-ORGANISMES A DES ANIMAUX NON HUMAINS**
[72] GANZ, HOLLY H., US
[72] GOODMAN, KARI R., US
[72] MARTIN, ALEXANDRA, US
[71] ANIMAL MICROBIOME ANALYTICS, INC., US
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[54] **PYRROLOPYRIDINE-ANILINE COMPOUNDS FOR TREATMENT OF DERMAL DISORDERS**
[54] **COMPOSES PYRROLOPYRIDINE-ANILINE DESTINES AU TRAITEMENT D'AFFECTIONS DE LA PEAU**
[72] KINCAID, JOHN, US
[72] DUNCTON, MATTHEW, US
[71] NFLECTION THERAPEUTICS, INC., US
[85] 2019-11-13
[86] 2018-05-18 (PCT/US2018/033547)
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[54] **SYSTEM FOR COLLECTING INJECTION INFORMATION**
[54] **SYSTEME DE COLLECTE D'INFORMATIONS D'INJECTION**
[72] DIAZ, STEPHEN H., US
[72] SHLUZAS, ALAN E., US
[72] SHANLEY, JOHN F., US
[72] TILLACK, JEFF, US
[72] MERHIGE, JOHN, US
[72] LITVACK, FRANK, US
[72] THAYER, DAN, US
[71] CREDENCE MEDSYSTEMS, INC., US
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[54] **GAS DEHYDRATION WITH MIXED ADSORBENT/DESICCANT BEDS**
[54] **DESHYDRATATION DE GAZ AVEC LITS D'ADSORBANTS/DESHYDRATANTS MIXTES**
[72] LOCASCIO, MICHAEL, US
[72] DOLAN, WILLIAM B., US
[71] BASF CORPORATION, US
[85] 2019-11-13
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[54] **COMPOSITIONS AND METHODS FOR PREVENTING, SLOWING, AND REVERSING SKIN AGING**
[54] **COMPOSITIONS ET PROCEDES POUR PREVENIR, RALENTIR ET INVERSER LE VIEILLISSEMENT DE LA PEAU**
[72] RASOCHOVA, LADA, US
[71] DERMALA INC., US
[71] RASOCHOVA, LADA, US
[85] 2019-11-13
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[30] US (62/509,717) 2017-05-22

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[25] EN
[54] **ELECTRONIC PLATFORM, SYSTEMS, AND METHODS FOR PLANNING POLISHED DIAMOND PARAMETERS TO ENABLE INDIVIDUAL DIAMOND TRANSACTIONS**
[54] **PLATE-FORME ELECTRONIQUE, SYSTEMES, ET PROCEDES DE PLANIFICATION DE PARAMETRES DE DIAMANT POLI POUR PERMETTRE DES TRANSACTIONS DU DIAMANT INDIVIDUELLES**
[72] STOLOV, OPHIR E, CA
[72] ARIEL, AARON, CA
[71] CLARA DIAMOND SOLUTIONS LIMITED PARTNERSHIP, CA
[85] 2019-11-14
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[54] **PRE-STEERING TRAFFIC WITHIN A TELECOMMUNICATIONS NETWORK**
[54] **PRE-ORIENTATION DE TRAFIC DANS UN RESEAU DE TELECOMMUNICATIONS**
[72] MIGALDI, SCOTT FRANCIS, US
[71] T-MOBILE USA, INC., US
[85] 2019-11-13
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[54] **INTRA FILTERING APPLIED TOGETHER WITH TRANSFORM PROCESSING IN VIDEO CODING**
[54] **INTRA-FILTRAGE APPLIQUE EN MEME TEMPS QU'UN TRAITEMENT DE TRANSFORMEE DANS UN CODAGE VIDEO**
[72] SEREGIN, VADIM, US
[72] ZHAO, XIN, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-13
[86] 2018-05-24 (PCT/US2018/034352)
[87] (WO2018/231488)
[30] US (62/520,426) 2017-06-15
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[51] **Int.Cl. A61K 31/4355 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AN IMPROVED ANTITUMOR IMMUNE RESPONSE**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER UNE REPONSE IMMUNITAIRE ANTITUMORALE**
[72] THOMPSON, PEGGY A., US
[72] WEBSTER, KEVIN R., US
[71] EFFECTOR THERAPEUTICS, INC., US
[85] 2019-11-13
[86] 2018-05-24 (PCT/US2018/034474)
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[25] EN
[54] **INTEGRATED MULTI-LEVEL NETWORK APPLIANCE, PLATFORM AND SYSTEM, AND REMOTE MANAGEMENT METHOD AND SYSTEM THEREFOR**
[54] **APPAREIL, PLATEFORME ET SYSTEME DE RESEAU MULTI-NIVEAU INTEGRE, ET PROCEDE DE GESTION A DISTANCE ET SYSTEME ASSOCIE**
[72] COUILLARD, BRUNO, CA
[72] RITCHIE, BRADLEY CLARE, CA
[72] FISET, JEAN-PIERRE, CA
[72] GOODMAN, JAMES ROSS, CA
[71] CRYPTO4A TECHNOLOGIES INC., CA
[85] 2019-11-14
[86] 2018-05-30 (PCT/CA2018/050635)
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[30] US (62/513,103) 2017-05-31
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[54] **ENSEMBLE FILTRE**
[72] STAMEY, WLLIE LUTHER, JR., US
[72] JOHANSEN, NIKOLAS H., US
[71] MANN+HUMMEL FILTRATION TECHNOLOGY US LLC, US
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[30] US (15/604,436) 2017-05-24

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[25] EN
[54] **GRIP ACCESSORY FOR A MANUAL INJECTION DEVICE**
[54] **ACCESSOIRE DE PREHENSION POUR DISPOSITIF D'INJECTION MANUELLE**
[72] MCLUSKY, JAMES, GB
[72] FOLEY, NICK, GB
[72] MOWER, JIMMY, GB
[72] SCRIMGEOUR, IAN, GB
[72] CANNAMELA, MICHAEL, US
[72] KRULEVITCH, PETER, US
[72] LIU, KUI, US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[51] **Int.Cl. F16L 17/04 (2006.01) F16J 15/00 (2006.01) F16L 21/00 (2006.01)**
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[54] **PRE-ASSEMBLED PIPE COUPLING WITH AN INSERTION BOUNDARY FOR AXIAL RECEIPT OF PIPE ENDS**
[54] **RACCORD DE TUYAU PRE-ASSEMBLE DOTE D'UNE LIMITE D'INSERTION POUR LA RECEPTION AXIALE D'EXTREMITES DE TUYAU**
[72] LIPPKA, SANDRA M., US
[71] TYCO FIRE PRODUCTS LP, US
[85] 2019-11-13
[86] 2018-05-29 (PCT/US2018/034914)
[87] (WO2018/222604)
[30] US (62/512,518) 2017-05-30

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[51] **Int.Cl. G07B 15/06 (2011.01) H04W 4/02 (2018.01) G06Q 20/32 (2012.01) G07B 15/04 (2006.01) G07C 9/00 (2006.01)**
[25] EN
[54] **MULTI-BEAM PHASED ARRAY ANTENNA FOR TRANSIT ACCESS**
[54] **ANTENNE RESEAU A COMMANDE DE PHASE A FAISCEAUX MULTIPLES PERMETTANT UN ACCES EN TRANSIT**
[72] SPROGIS, ROBERT, NC
[72] PAETZOLD, KAY, DE
[72] BUSCH-SORENSEN, THOMAS, US
[72] AL-MAHDAWI, TAREEF, US
[71] CUBIC CORPORATION, US
[85] 2019-11-13
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[30] US (62/524,713) 2017-06-26
[30] US (15/950,025) 2018-04-10

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[25] EN
[54] **A DEVICE FOR THE DETECTION AND SIGNALISATION OF A LEAKAGE AND A HEAT EXCHANGE**
[54] **DISPOSITIF DE DETECTION ET DE SIGNALISATION D'UNE FUITE ET ECHANGEUR DE CHALEUR**
[72] RUSCH, CHRISTOPH, CH
[72] SCHMID, RETO, CH
[72] SVATON, ROMAN, CH
[71] JOULIA AG, CH
[85] 2019-11-14
[86] 2017-05-17 (PCT/CH2017/000046)
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[51] **Int.Cl. F16L 17/04 (2006.01) F16L 21/00 (2006.01)**
[25] EN
[54] **PRE-ASSEMBLED PIPE COUPLING WITH MANUALLY MANIPULATABLE SEGMENTS**
[54] **RACCORD DE TUYAU PRE-ASSEMBLE AVEC DES SEGMENTS POUVANT ETRE MANIPULES MANUELLEMENT**
[72] LIPPKA, SANDRA M., US
[71] TYCO FIRE PRODUCTS LP, US
[85] 2019-11-13
[86] 2018-05-29 (PCT/US2018/034915)
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[51] **Int.Cl. H01R 4/38 (2006.01) H01R 9/24 (2006.01)**
[25] EN
[54] **TERMINAL BLOCK APPARATUS**
[54] **APPAREIL DE BORNIER**
[72] CERKA, BENJAMIN AUGUST, US
[72] HALL, KENNETH EUGENE, US
[72] HAGER, RONALD CHARLES, US
[72] RAYMOND, WILLIAM SEAN, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2019-11-13
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[87] (WO2018/212992)
[30] US (15/599,992) 2017-05-19

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[25] EN
[54] **HUMAN ANTIBODIES TO BET V 1 AND METHODS OF USE THEREOF**
[54] **ANTICORPS HUMAINS CONTRE BET V 1 ET LEURS PROCEDES D'UTILISATION**
[72] ORENGO, JAMIE M., US
[72] MURPHY, ANDREW J., US
[72] BADITHE, ASHOK T., US
[72] KAMAT, VISHAL, US
[72] LIU, YASHU, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-11-13
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[87] (WO2018/222854)
[30] US (62/513,872) 2017-06-01
[30] US (62/571,696) 2017-10-12
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[51] **Int.Cl. H02G 3/08 (2006.01) H02G 3/16 (2006.01)**
[25] EN
[54] **TERMINAL BOX APPARATUS WITH SIDE WALL ENTRANCE AND CURVED WIRING GUIDE**
[54] **APPAREIL DE BOITE A BORNES AVEC ENTREE DE PAROI LATERALE ET GUIDE DE CABLAGE INCURVE**
[72] CERKA, BENJAMIN AUGUST, US
[72] METSCHKE, CHRISTOPHER S., US
[72] HEATWOLE, ROGER LYNN, US
[72] PISCITELLI, BRENDAN, US
[71] FISHER CONTROLS INTERNATIONAL, LLC, US
[85] 2019-11-13
[86] 2018-05-02 (PCT/US2018/030566)
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[30] US (15/599,982) 2017-05-19

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[51] **Int.Cl. A61K 6/06 (2006.01) A61K 6/00 (2006.01)**
[25] EN
[54] **FLOWABLE COMPOSITION**
[54] **COMPOSITION FLUIDE**
[72] BERGER, TODD, US
[72] BARATZ, ADAM, US
[72] ROSE, SHERIDAN, US
[71] DENTSPLY SIRONA INC., US
[85] 2019-11-13
[86] 2018-06-04 (PCT/US2018/035789)
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[30] US (62/515,906) 2017-06-06

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[51] **Int.Cl. C09K 8/506 (2006.01) C09K 8/68 (2006.01) C09K 8/86 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR WATER AND GAS SHUT-OFF IN SUBTERRANEAN FORMATIONS**
[54] **COMPOSITION ET PROCEDE D'ARRET D'EAU ET DE GAZ DANS DES FORMATIONS SOUTERRAINES**
[72] BATAWEEL, MOHAMMED A., SA
[72] HUANG, JIN, SA
[72] ALMOHSIN, AYMAN MOHAMMED, SA
[72] KARADKAR, PRASAD BABURAO, SA
[72] SUNDBLOM, ANDREAS AKE, SE
[72] LAGNEMO, HANS OLOF, SE
[72] RESTORP, PER ANDERS, SE
[71] SAUDI ARABIAN OIL COMPPNY, SA
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2019-11-13
[86] 2018-05-07 (PCT/US2018/031421)
[87] (WO2018/213050)
[30] US (62/506,193) 2017-05-15
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[30] EP (18166420.2) 2018-04-09

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[25] EN
[54] **N-(AZAARYL)CYCLOLACTAM-1-CARBOXAMIDE DERIVATIVE, PREPARATION METHOD THEREFOR, AND USE THEREOF**
[54] **DERIVE DE N-(AZAARYL)CYCLOLACTAME-1-CARBOXAMIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHAO, BAOWEI, CN
[72] ZHANG, MINGMING, CN
[72] YU, HONGPING, CN
[72] YANG, SHUQUN, CN
[72] CHEN, ZHUI, CN
[72] XU, YAOCHANG, CN
[71] ABBISKO THERAPEUTICS CO., LTD., CN
[85] 2019-11-14
[86] 2018-05-22 (PCT/CN2018/087807)
[87] (WO2018/214867)
[30] CN (201710378071.9) 2017-05-24

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **ENHANCING ACID FRACTURE CONDUCTIVITY**
[54] **AMELIORATION DE LA CONDUCTIVITE DE LA FRACTURE A L'ACIDE**
[72] BULEKBAY, ASLAN, SA
[72] GOMAA, AHMED M., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-13
[86] 2018-05-08 (PCT/US2018/031492)
[87] (WO2018/213057)
[30] US (15/595,108) 2017-05-15

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[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) A61K 49/18 (2006.01)**
[25] EN
[54] **B-CELL MATURATION ANTIGEN (BCMA)-DIRECTED NANOPARTICLES**
[54] **NANOPARTICULES DIRIGEES CONTRE UN ANTIGENE DE MATURATION DES LYMPHOCYTES B (BCMA)**
[72] DETAPPE, ALEXANDRE, US
[72] GHOBRIAL, IRENE, US
[72] REIDY, MAIREAD, US
[72] GHOROGHCHIAN, PETER, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2019-11-13
[86] 2018-06-13 (PCT/US2018/037284)
[87] (WO2018/231949)
[30] US (62/519,643) 2017-06-14
[30] US (62/524,952) 2017-06-26

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[51] **Int.Cl. F23C 1/00 (2006.01) F23C 9/00 (2006.01) F23C 9/06 (2006.01) F23D 11/40 (2006.01)**
[25] EN
[54] **VORTEX RECIRCULATING COMBUSTION BURNER HEAD**
[54] **TETE DE BRULEUR A COMBUSTION A RECIRCULATION TOURBILLONNAIRE**
[72] BEARD, JUSTIN J., US
[72] CORBETT, EDWARD, US
[72] SONDERVAN, JOACHIM P., US
[72] VANDERPOOL, JOSEPH B., US
[71] WEBSTER COMBUSTION TECHNOLOGY LLC, US
[85] 2019-11-13
[86] 2018-06-13 (PCT/US2018/037328)
[87] (WO2018/231979)
[30] US (15/622,270) 2017-06-14

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[51] **Int.Cl. B32B 27/06 (2006.01) E04C 2/20 (2006.01)**
[25] EN
[54] **ENGINEERED PLANK AND ITS MANUFACTURING METHOD**
[54] **PLANCHE D'INGENIERIE ET SON PROCEDE DE FABRICATION**
[72] CHEN, MING, US
[72] CHEN, ZHU, US
[71] WELLMADE FLOOR COVERING INT'L INC., US
[85] 2019-11-13
[86] 2018-05-10 (PCT/US2018/031952)
[87] (WO2018/213086)
[30] US (15/596,175) 2017-05-16

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[13] A1
[51] **Int.Cl. H04W 48/16 (2009.01) H04W 8/00 (2009.01) H04W 48/08 (2009.01) H04W 16/14 (2009.01) H04W 48/10 (2009.01) H04W 48/12 (2009.01)**
[25] EN
[54] **DEDICATED DISCOVERY CHANNEL FOR UNLICENSED FREQUENCY BAND**
[54] **CANAL DE DECOUVERTE DEDIE POUR BANDE DE FREQUENCES SANS LICENCE**
[72] ASTERJADHI, ALFRED, US
[72] CHERIAN, GEORGE, US
[72] PATIL, ABHISHEK PRAMOD, US
[72] ZHOU, YAN, US
[72] VENKATACHALAM JAYARAMAN, VENKATA RAMANAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-13
[86] 2018-06-18 (PCT/US2018/038092)
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[30] US (62/521,989) 2017-06-19
[30] US (16/009,145) 2018-06-14

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[13] A1
[51] **Int.Cl. B65D 71/14 (2006.01)**
[25] EN
[54] **CARTON AND BLANK THEREFOR**
[54] **CARTON ET DECOUPE ASSOCIEE**
[72] ZACHERLE, MATTHEW E., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2019-11-13
[86] 2018-05-11 (PCT/US2018/032219)
[87] (WO2018/213114)
[30] US (62/508,113) 2017-05-18

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[51] **Int.Cl. B26D 1/36 (2006.01) B26D 1/00 (2006.01) B26D 3/28 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **MODULAR UNITS, CLAMPING ASSEMBLIES, AND SLICING MACHINES EQUIPPED THEREWITH**
[54] **UNITES MODULAIRES, ENSEMBLES DE SERRAGE, ET MACHINES A TRANCHER EQUIPEES DE CEUX-CI**
[72] GEREG, DUSTIN JOSEPH, US
[72] JACKO, MICHAEL SCOT, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2019-11-13
[86] 2018-05-11 (PCT/US2018/032365)
[87] (WO2018/213130)
[30] US (62/506,667) 2017-05-16

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **VALVE SEALING TISSUE AND MESH STRUCTURE**
[54] **TISSU D'ETANCHEITE DE VALVE ET STRUCTURE MAILLEE**
[72] GONDA, EDWARD L., US
[72] SOK, SINATHA, US
[71] HLT, INC., US
[85] 2019-11-13
[86] 2018-05-11 (PCT/US2018/032403)
[87] (WO2018/213137)
[30] US (62/506,480) 2017-05-15

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[51] **Int.Cl. G01J 1/02 (2006.01) G01J 1/08 (2006.01) G01J 1/44 (2006.01)**
[25] EN
[54] **OPTICAL IMAGING TRANSMITTER WITH BRIGHTNESS ENHANCEMENT**
[54] **EMETTEUR D'IMAGERIE OPTIQUE DOTE D'UNE LUMINOSITE AMELIOREE**
[72] PACALA, ANGUS, US
[72] FRICHTL, MARK, US
[72] YOUNGE, ERIC, US
[72] SHU, MARVIN, US
[71] OUSTER, INC., US
[85] 2019-11-13
[86] 2018-05-14 (PCT/US2018/032601)
[87] (WO2018/213200)
[30] US (62/506,449) 2017-05-15
[30] US (62/506,437) 2017-05-15
[30] US (62/506,445) 2017-05-15
[30] US (62/515,291) 2017-06-05

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[13] A1
[51] **Int.Cl. F01P 3/20 (2006.01) F01M 5/00 (2006.01) F01P 11/04 (2006.01) F02F 1/38 (2006.01)**
[25] EN
[54] **ENGINE**
[54] **MOTEUR**
[72] NUGTEREN, DANIEL J., US
[72] OPPERMANN, ALEXANDER W., US
[72] WALTER, C. SCOTT, US
[72] MCKOSKEY, G. JAY, US
[72] MAHER, JEFFREY M., US
[72] TITTL, STEVEN M., US
[72] BLUHM, MICHAEL J., US
[71] POLARIS INDUSTIRES INC., US
[85] 2019-11-13
[86] 2018-05-15 (PCT/US2018/032628)
[87] (WO2018/213216)
[30] US (15/595,209) 2017-05-15
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[13] A1
[51] **Int.Cl. A61L 27/16 (2006.01) A61L 27/50 (2006.01) A61L 27/52 (2006.01)**
[25] EN
[54] **MICRO INJECTABLE, LOW CHROMATIC ABERRATION INTRAOCULAR LENS MATERIALS**
[54] **MATERIAUX DE LENTILLE INTRAOCULAIRE A FAIBLE ABERRATION CHROMATIQUE ET MICRO-INJECTABLE**
[72] BENZ, PATRICK H., US
[72] REBOUL, ADAM, US
[71] BENZ RESEARCH AND DEVELOPMENT CORP., US
[85] 2019-11-13
[86] 2018-05-15 (PCT/US2018/032660)
[87] (WO2018/213240)
[30] US (62/506,996) 2017-05-16

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[13] A1
[51] **Int.Cl. G06F 1/24 (2006.01) G05F 1/66 (2006.01) G06F 1/26 (2006.01) G06F 1/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING AN ELECTRICAL RECEPTACLE BASED ON OPERATIONAL PROFILE**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UN RECEPTACLE ELECTRIQUE SUR LA BASE D'UN PROFIL OPERATIONNEL**
[72] SAMOJEDEN, MATTHEW, US
[72] SIMON, ROBERT, US
[72] HAMILTON, DOUGLAS, US
[72] LUTZ, DAVID, US
[72] DEBARTOLO, JOSEPH, US
[71] HUBBELL INCORPORATED, US
[85] 2019-11-13
[86] 2018-05-15 (PCT/US2018/032682)
[87] (WO2018/213257)
[30] US (62/506,147) 2017-05-15

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[51] **Int.Cl. A61K 36/185 (2006.01) A61K 9/06 (2006.01) A61K 31/05 (2006.01) A61K 31/353 (2006.01)**
[25] EN
[54] **SUBLINGUAL CANNABINOID COMPOSITIONS**
[54] **COMPOSITIONS DE CANNABINOIDES SUBLINGUALES**
[72] LAMENSDORF, ITSCHAK, IL
[72] COHEN, NACHSHOL, IL
[72] SELA, YORAM (DECEASED), IL
[71] ALVIT LCS PHARMA LTD., IL
[71] SELA, YORAM (DECEASED), IL
[85] 2019-11-13
[86] 2018-05-11 (PCT/IB2018/053307)
[87] (WO2018/211388)
[30] US (62/505,873) 2017-05-13

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[51] **Int.Cl. C12Q 1/6886 (2018.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ATYPICAL BRAF MUTATIONS**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DU CANCER AVEC MUTATIONS DE BRAF ATYPIQUES**
[72] DECRESCENZO, GARY, US
[72] WELSCH, DEAN, US
[72] SAHA, SAURABH, US
[71] BIOMED VALLEY DISCOVERIES, INC., US
[85] 2019-11-13
[86] 2018-05-15 (PCT/US2018/032755)
[87] (WO2018/213302)
[30] US (62/506,995) 2017-05-16

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[13] A1
[51] **Int.Cl. A61K 38/43 (2006.01) A61K 38/47 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **RECOMBINANT HUMAN ACID ALPHA-GLUCOSIDASE**
[54] **ALPHA-GLUCOSIDASE D'ACIDE HUMAIN RECOMBINANT**
[72] DO, HUNG, US
[72] GOTSCHALL, RUSSELL, US
[72] KHANNA, RICHIE, US
[72] LUN, YI, US
[72] CHAR, HING, US
[72] TESLER, SERGEY, US
[72] SUNDERLAND, WENDY, US
[72] DILONE, ENRIQUE, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2019-11-13
[86] 2018-05-15 (PCT/US2018/032815)
[87] (WO2018/213340)
[30] US (62/506,561) 2017-05-15
[30] US (62/506,574) 2017-05-15
[30] US (62/506,569) 2017-05-15
[30] US (62/529,300) 2017-07-06
[30] US (62/564,083) 2017-09-27
[30] US (62/567,334) 2017-10-03
[30] US (62/618,021) 2018-01-16
[30] US (62/624,638) 2018-01-31
[30] US (62/660,758) 2018-04-20

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/416 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **RHO-ASSOCIATED PROTEIN KINASE INHIBITOR, PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND PREPARATION METHOD AND USE THEREOF**
[54] **INHIBITEUR DE PROTEINE KINASE ASSOCIEE A RHO, COMPOSITION PHARMACEUTIQUE LE COMPRENANT, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHAO, YANPING, CN
[72] WANG, HONGJUN, CN
[72] LI, GONG, CN
[72] JIANG, YUANYUAN, CN
[72] LI, XIANG, CN
[72] LIU, BIN, CN
[72] ZHONG, WEITING, CN
[72] LIU, KAI, CN
[72] LI, FAJIE, CN
[72] ZHOU, LIYING, CN
[72] LIU, YANAN, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2019-11-14
[86] 2018-06-29 (PCT/CN2018/093713)
[87] (WO2019/001572)
[30] CN (PCT/CN2017/091085) 2017-06-30
[30] CN (PCT/CN2017/104290) 2017-09-29
[30] CN (201711089580.6) 2017-11-08

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[13] A1
[51] **Int.Cl. H04W 76/27 (2018.01)**
[25] EN
[54] **TRANSITION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSITION, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-14
[86] 2017-08-02 (PCT/CN2017/095709)
[87] (WO2019/024026)

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[13] A1
[51] **Int.Cl. H04W 76/19 (2018.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF DE RESEAU, ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[72] YANG, NING, CN
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-14
[86] 2017-08-28 (PCT/CN2017/099343)
[87] (WO2019/041099)

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[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 37/36 (2006.01) A01N 37/40 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01N 43/90 (2006.01) A01P 3/00 (2006.01) A01P 7/00 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **LACTONES AS SOLVENTS IN AGROCHEMICAL FORMULATIONS**
[54] **LACTONES UTILISEES COMME SOLVANTS DANS DES FORMULATIONS AGROCHIMIQUES**
[72] BELL, GORDON ALASTAIR, GB
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2019-11-14
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[54] **DESHERBAGE A HAUTE VITESSE**
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[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **SHAPING STRUCTURE, COMPOSITE PART COMPRISING SUCH A SHAPING STRUCTURE, METHOD FOR MANUFACTURING SUCH A COMPOSITE PART**
[54] **STRUCTURE DE CONFORMATION, PIECE COMPOSITE COMPRENANT UNE TELLE STRUCTURE DE CONFORMATION, PROCEDE DE FABRICATION D'UNE TELLE PIECE COMPOSITE**
[72] PORCHERET, JACQUES, FR
[72] MACREZ, FREDDY, FR
[72] RAMEL, PATRICK, FR
[71] PORCHER INDUSTRIES, FR
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[54] **ANTICORPS ANTI-SIRP.ALPHA.**
[72] VERHEIJDEN, GIJSBERTUS FRANCISCUS MARIA, NL
[72] ROUWENDAL, GERARD, NL
[72] ARENDS, ROLAND JAN, NL
[72] VAN DEN BERG, TIMO KARS, NL
[72] MATLUNG, HANKE LOTTIE, NL
[72] FRANKE, KATARINA, NL
[71] SYNTHON BIOPHARMACEUTICALS B.V., NL
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[54] **PRETERM INFANT FORMULA CONTAINING BUTYRATE AND USES THEREOF**
[54] **FORMULE POUR NOURRISSONS PREMATURES CONTENANT DU BUTYRATE ET SES UTILISATIONS**
[72] BERSETH, CAROL LYNN, US
[72] HONDMANN, DIRK HERMAN ANTONIUS, GB
[72] KUANG, CHENZHONG, US
[72] LAMBERS, TEARTSE TIM, NL
[72] XIAO, YAN, US
[71] MJN U.S. HOLDINGS LLC, US
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[54] **DISPLACEMENT ARRANGEMENT HAVING A ROLLING BEARING GUIDE**
[54] **DISPOSITIF DE DEPLACEMENT AVEC GUIDAGE DE PALIER A ROULEMENT**
[72] REICH, WINFRIED, DE
[71] ROTO FRANK FENSTER- UND TURTECHNOLOGIE GMBH, DE
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[54] **A PHARMACEUTICAL COMBINATION FOR THE TREATMENT OF A CANCER**
[54] **COMBINAISON PHARMACEUTIQUE POUR LE TRAITEMENT D'UN CANCER**
[72] DOMENECH GARCIA, CARLES, ES
[72] ALBERTO ALFON CORIAT, JOSE, ES
[72] PEREZ MONTOYO, HECTOR, ES
[72] FRANCISCO SEGURA GINARD, MIGUEL, ES
[72] MIGUEL LIZCANO DE VEGA, JOSE, ES
[71] ABILITY PHARMACEUTICALS S.L., ES
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[25] EN
[54] **POLYURETHANE-BASED BINDER SYSTEM**
[54] **SYSTEME DE LIANT A BASE DE POLYURETHANE**
[72] SCHLINGLOFF, NICOLE, DE
[72] ENGELS, THOMAS, DE
[72] VERBOCKET, KIM, DE
[72] ZOLLER, THOMAS, DE
[71] HENKEL AG & CO. KGAA, DE
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[54] **METHOD FOR ANALYSING CELL-FREE NUCLEIC ACIDS**
[54] **PROCEDE D'ANALYSE D'ACIDES NUCLEIQUES ACELLULAIRES**
[72] DEHASPE, LUC, BE
[72] VERMEESCH, JORIS, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
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[54] **DEMULSIFIERS AND A METHOD OF USING DEMULSIFIERS FOR BREAKING EMULSIONS OF WATER AND CRUDE OIL**
[54] **DESEMULSIFIANTS ET PROCEDE D'UTILISATION DE DESEMULSIFIANTS POUR ROMPRE DES EMULSIONS D'EAU ET D'HUILE BRUTE**
[72] DE OLIVEIRA FILHO, ANTONIO PEDRO, US
[72] TOOGE, CARLOS AUGUSTO BLASQUES, BR
[72] NOGUEIRA, THIAGO, BR
[72] BASSO, EVERTON, BR
[72] DA SILVA, SERGIO COSTA, BR
[72] MAGATON, CARLOS ALBERTO, BR
[72] KRULL, MATTHIAS, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[71] CLARIANT S. A., BR
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[71] BODY AGENT LTD, GB
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[25] EN
[54] **BENZOFURANE AND BENZOTHIOPHENE DERIVATIVES AS PGE2 RECEPTOR MODULATORS**
[54] **DERIVES DE BENZOFURANE ET DE BENZOTHIOPHENE UTILISES EN TANT QUE MODULATEURS DU RECEPTEUR PGE2**
[72] BOSS, CHRISTOPH, CH
[72] CORMINBOEUF, OLIVIER, CH
[72] FRETZ, HEINZ, CH
[72] LYOTHIER, ISABELLE, CH
[72] POZZI, DAVIDE, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[72] SIENDT, HERVE, CH
[72] SIFFERLEN, THIERRY, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
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[54] **SYSTEM AND METHOD FOR PREDICTING FAULT SEAL FROM SEISMIC DATA**
[54] **SYSTEME ET PROCEDE DE PREDICTION D'ETANCHEITE DE FAILLE A PARTIR DE DONNEES SISMIQUES**
[72] LIU, HAUFENG, US
[72] MEDWEDEFF, DONALD ARTHUR, US
[71] CHEVRON U.S.A. INC., US
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[54] **PALE DE ROTOR POUR EOLIENNE ET EOLIENNE**
[72] ALTMIKUS, ANDREE, DE
[71] WOBBEN PROPERTIES GMBH, DE
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[54] **PERFECTIONNEMENTS A DES PUITS D'INJECTION OU ASSOCIES A CEUX-CI**
[72] SANTARELLI, FREDERIC JOSEPH, NO
[71] GEOMEC ENGINEERING LIMITED, GB
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[86] 2018-05-23 (PCT/GB2018/051395)
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[54] **N-SUBSTITUTED INDOLE DERIVATIVES**
[54] **DERIVES D'INDOLE N-SUBSTITUES**
[72] FRETZ, HEINZ, CH
[72] LYOTHIER, ISABELLE, CH
[72] POTHIER, JULIEN, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[72] SIFFERLEN, THIERRY, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
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[54] **HAND DISINFECTANT**
[54] **DESINFECTANT POUR LES MAINS**
[72] ALMAS, GEIR HERMOD, NO
[71] WIAB WATER INNOCATION AB, SE
[85] 2019-11-14
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[54] **CHLOROPRENE ADHESIVE SYSTEM**
[54] **SYSTEME CHLOROPRENE-ADHESIF**
[72] MUCKE, ANGELA, DE
[72] DEGENBECK, HELMUT, DE
[71] REMA TIP TOP AG, DE
[85] 2019-11-14
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[54] **PRE-CAST SEGMENT FOR TUNNELS AND METHOD FOR PRODUCING AND MONITORING SAID PRE-CAST SEGMENT**
[54] **SEGMENT PRE-COULE POUR TUNNELS ET PROCEDE DE PRODUCTION ET DE SURVEILLANCE DUDIT SEGMENT PRE-COULE**
[72] MANCINI, GIUSEPPE, IT
[71] SAFECERTIFIEDSTRUCTURE TECNOLOGIA S.P.A., IT
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[25] EN
[54] **EXTRUDER SCREW, EXTRUSION DEVICE WITH EXTRUDER SCREW AND METHOD FOR PLASTICIZING A PLASTIC MATERIAL**
[54] **VIS D'EXTRUSION, DISPOSITIF D'EXTRUSION DOTE D'UNE VIS D'EXTRUSION ET PROCEDE DE PLASTIFICATION D'UNE MATIERE PLASTIQUE**
[72] SKRABALA, OTTO, DE
[72] ROIDER, STEPHAN, DE
[71] KRAUSSMAFFEI TECHNOLOGIES GMBH, DE
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[54] **ELECTRIC MOTOR AND WINDING METHOD**
[54] **MOTEUR ELECTRIQUE ET PROCEDE DE BOBINAGE**
[72] BOSCO, ALEJANDRO, ES
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[54] **SILICON CARBIDE CERAMIC**
[54] **CERAMIQUE DE CARBURE DE SILICIUM**
[72] HINOKI, TATSUYA, JP
[72] YANAGAWA, SHOHEI, JP
[71] KYOTO UNIVERSITY, JP
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[25] EN
[54] **CHEMICAL PROCESS FOR MANUFACTURING MONOBACTAM ANTIBIOTIC AND INTERMEDIATES THEREOF**
[54] **PROCESSUS CHIMIQUE DE PREPARATION D'ANTIBIOTIQUE MONOBACTAME ET DE SES INTERMEDIAIRES**
[72] CHEN, LIKE, CN
[72] CHEUNG, CHI MING, CN
[72] FEI, ZHONGBO, CN
[72] JIANG, QUN, CN
[72] LEI, LI, CN
[72] LI, BIN, CN
[72] RUCH, THOMAS, CH
[72] WANG, HAO, CN
[72] WU, QUANBING, CN
[71] NOVARTIS AG, CH
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[25] EN
[54] **SUCTION HOSE FOR A VACUUM CLEANER**
[54] **TUYAU FLEXIBLE D'ASPIRATION POUR ASPIRATEUR**
[72] MAIER, STEFFEN, DE
[71] FESTOOL GMBH, DE
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[25] EN
[54] **ONCOLYTIC VIRUS AND METHOD**
[54] **VIRUS ONCOLYTIQUE ET PROCEDE**
[72] CHAMPION, BRIAN, GB
[72] BROMLEY, ALICE CLAIRE NOEL, GB
[72] BESNEUX, MATHIEU, GB
[71] PSIOXUS THERAPEUTICS LIMITED, GB
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[86] 2018-06-01 (PCT/EP2018/064524)
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[30] GB (1708778.4) 2017-06-01
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[25] EN
[54] **CATHETER SPLINES AS LOCATION SENSORS**
[54] **CANNELURES DE CATHETER COMME CAPTEURS D'EMPLACEMENT**
[72] BAR-TAL, MEIR, IL
[72] MONTAG, AVRAM DAN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[51] **Int.Cl. A61F 5/01 (2006.01) B25J 11/00 (2006.01) B25J 9/00 (2006.01)**
[25] EN
[54] **DEVICE FOR SUPPORTING AT LEAST ONE ARM OF A USER**
[54] **DISPOSITIF DE SUPPORT D'AU MOINS UN BRAS D'UN UTILISATEUR**
[72] MIZERA, OLIVER, DE
[72] KURZWEG, ANNEDORE, DE
[72] MOSLER, LUDER, DE
[72] BORNMANN, JONAS, DE
[72] FOX, SAMANTHA, US
[72] SCHIRRMEISTER, BENJAMIN, DE
[71] OTTOBOCK SE & CO. KGAA, DE
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[25] EN
[54] **METHODS FOR PREVENTING AND TREATING URINARY INCONTINENCE**
[54] **PROCEDE DE PREVENTION ET DE TRAITEMENT DE L'INCONTINENCE URINAIRE**
[72] HATAKEYAMA, SHINJI, CH
[72] KNEISSEL, MICHAELA, CH
[72] TRIFILIEFF, ESTELLE, CH
[71] NOVARTIS AG, CH
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[86] 2018-06-26 (PCT/IB2018/054702)
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[30] EP (17178429.1) 2017-06-28

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[51] **Int.Cl. C12N 15/00 (2006.01)**
[25] EN
[54] **NOVEL SYSTEM FOR THE BIOCONTROL OF PATHOGENS IN AQUACULTURE AND OTHER ANIMAL SYSTEMS**
[54] **NOUVEAU SYSTEME POUR LA LUTTE BIOLOGIQUE CONTRE DES AGENTS PATHOGENES EN AQUACULTURE ET AUTRES SYSTEMES ANIMAUX**
[72] SAYRE, RICHARD, US
[72] VINOGRADAVA-SHAH, TATIANA, US
[71] PEBBLE LABS, INC., US
[85] 2019-09-17
[86] 2018-04-02 (PCT/US2018/025766)
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[30] US (62/480,138) 2017-03-31

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[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **CORONARY ARTERY BYPASS SURGERY TREATMENT TOOL, TREATMENT TOOL, PART, MEDICAL CONNECTOR, AND MEDICAL DEVICE**
[54] **OUTIL DE TRAITEMENT POUR CHIRURGIE DE PONTAGE AORTOCORONARIEN, COMPOSANT POUR OUTIL DE TRAITEMENT, CONNECTEUR MEDICAL ET APPAREIL MEDICAL**
[72] ARAI, HIROKUNI, JP
[72] SAKATE, TOSHIFUMI, JP
[72] KAWAMATA, AKIRA, JP
[72] HARATA, SHINETSU, JP
[71] SUMITOMO BAKELITE CO., LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY, JP
[85] 2019-11-14
[86] 2018-05-16 (PCT/JP2018/018860)
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[30] JP (2017-102142) 2017-05-23
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[51] **Int.Cl. F16C 33/10 (2006.01) F16C 32/06 (2006.01) F16C 33/74 (2006.01) F16C 17/02 (2006.01) F16C 17/04 (2006.01) F16C 29/02 (2006.01)**
[25] EN
[54] **LUBRICATED SLIDING BEARING WITH ADJUSTMENT OF THE PROPERTIES OF THE LUBRICANT IN CERTAIN PARTS OF THE BEARING GAP**
[54] **PALIER LISSE LUBRIFIE AVEC REGULATION DES PROPRIETES DU LUBRIFIANT DANS CERTAINES PARTIES DE L'ESPACE DE PALIER**
[72] LAMPAERT, STEFAN GEORGE EMILE, NL
[72] VAN OSTAYEN, RONALD ADRIANUS JOHANNES, NL
[71] TECHNISCHE UNIVERSITEIT DELFT, NL
[71] BIFROST RESEARCH AND DEVELOPMENT B.V., NL
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[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/85 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE, METHOD, AND WORK VEHICLE**
[54] **SYSTEME ET PROCEDE DE COMMANDE POUR VEHICULE DE CHANTIER ET VEHICULE DE CHANTIER**
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[71] KOMATSU LTD., JP
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[54] **NOVEL LACTIC ACID BACTERIA AND USE THEREOF**
[54] **NOUVELLES BACTERIES D'ACIDE LACTIQUE ET LEUR UTILISATION**
[72] KIM, DONG-HYUN, KR
[72] HAN, MYUNG JOO, KR
[71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[71] NAVIPHARM CO, LTD, KR
[85] 2019-11-14
[86] 2018-09-28 (PCT/KR2018/011607)
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[30] KR (10-2017-0127422) 2017-09-29

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[51] **Int.Cl. A61F 5/56 (2006.01)**
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[54] **INTRA-ORAL DEVICE FOR MANDIBULAR ADJUSTMENT**
[54] **DISPOSITIF INTRA-ORAL POUR AJUSTEMENT MANDIBULAIRE**
[72] GARCIA REYES, MARCOS, ES
[72] CABRERA CARRILLO, JUAN ANTONIO, ES
[72] BATALLER TORRAS, ALEX, ES
[72] SIMON MATA, ANTONIO, ES
[72] GARCIA URBANO, JESUS, ES
[72] MORAL BENICIO, JULIO, ES
[72] FERNANDEZ GUERRERO, ANA, ES
[71] LABORATORIO ORTOPLUS, S.L., ES
[85] 2019-11-14
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[25] EN
[54] **GAS CYLINDER QUICK RELEASE DEVICE**
[54] **DISPOSITIF DE LIBERATION RAPIDE POUR BOUTEILLE DE GAZ**
[72] JAMES, BARBARA J., US
[72] SAPERTON, MICHAEL S., US
[71] B&Z PRODUCTIONS, LLC, US
[85] 2019-11-14
[86] 2017-06-06 (PCT/US2017/036162)
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[30] US (62/346,433) 2016-06-06
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[25] EN
[54] **SELECTION AND USE OF UMBILICAL CORD CELL FRACTIONS SUITABLE FOR TRANSPLANTATION**
[54] **SELECTION ET UTILISATION DE FRACTIONS DE CELLULES DE CORDON OMBILICAL APPROPRIEES POUR UNE TRANSPLANTATION**
[72] PELED, TONY, IL
[72] HARATI, DORIT, IL
[72] LANDAU, EFRAT, IL
[71] GAMIDA-CELL LTD., IL
[85] 2019-11-14
[86] 2018-05-16 (PCT/IL2018/050537)
[87] (WO2018/211509)
[30] US (62/506,699) 2017-05-16

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[51] **Int.Cl. G06F 9/451 (2018.01)**
[25] EN
[54] **RULES BASED USER INTERFACE GENERATION**
[54] **GENERATION D'INTERFACE UTILISATEUR A BASE DE REGLES**
[72] BALASUBRAMANIAN, RAMRAJPRABU, US
[72] DAVIS, DARREN R., US
[72] SHIPLEY, KENTON A., US
[72] RADEBAUGH, NATHAN T., US
[72] DYKSTRA, PAUL, US
[72] KARACHALE, JAN HAROLD, US
[72] CROSS, BRIAN DAVID, US
[72] DERKS, PATRICK J., US
[72] STAUBER, WILLIAM SCOTT, US
[72] MULYE, NISHAD, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[51] **Int.Cl. B01D 53/18 (2006.01) B01D 3/28 (2006.01) B01D 3/30 (2006.01)**
[25] EN
[54] **ROTATIONAL ABSORBER DEVICE AND METHOD FOR SCRUBBING AN ABSORBATE FROM A GAS**
[54] **DISPOSITIF D'ABSORPTION ROTATIF ET PROCEDE DE LAVAGE D'UN ABSORBAT A PARTIR D'UN GAZ**
[72] BROUWERS, JOZEF JOHANNES HUBERTUS, NL
[71] ROMICO HOLD A.V.V., AW
[85] 2019-11-14
[86] 2018-05-01 (PCT/NL2018/050286)
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[30] NL (2018925) 2017-05-16

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[51] **Int.Cl. B63B 22/02 (2006.01) B63B 22/04 (2006.01)**
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[54] **BUOY COMPRISING LIGHT WEIGHT ARMATURE FOR WEIGHT TRANSFER**
[54] **BOUEE COMPRENANT UNE ARMATURE LEGERE POUR TRANSFERT DE POIDS**
[72] SAMUELSEN, TOM, NO
[72] FLYDAHL, ODDGEIR, NO
[71] PARTNERPLAST AS, NO
[85] 2019-11-14
[86] 2018-05-15 (PCT/NO2018/050126)
[87] (WO2018/212663)
[30] NO (20170821) 2017-05-19

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[25] EN
[54] **APPARATUS AND METHOD FOR RECEIVING SATELLITE POSITIONING SIGNALS**
[54] **APPAREIL ET PROCEDE DE RECEPTION DE SIGNAUX DE POSITIONNEMENT PAR SATELLITE**
[72] GIORDANENGO, GIORGIO, IT
[72] RIGHERO, MARCO, IT
[72] CICCIA, SIMONE, IT
[72] VECCHI, GIUSEPPE, IT
[71] FONDAZIONE LINKS - LEADING INNOVATION & KNOWLEDGE FOR SOCIETY, IT
[71] POLITECNICO DI TORINO, IT
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[30] IT (102017000050784) 2017-05-17

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[25] EN
[54] **GEOCHEMICALLY-DRIVEN WETTABILITY MODIFICATION FOR SUBTERRANEAN SURFACES**
[54] **MODIFICATION DE MOUILLABILITE GEOCHIMIQUEMENT ASSISTEE POUR DES SURFACES SOUTERRAINES**
[72] REYES, ENRIQUE ANTONIO, US
[72] BENOIT, DENISE NICOLE, US
[72] DUSTERHOFT, RONALD GLEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-14
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 8/08 (2006.01) A61B 8/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LOCALIZING SIGNAL SOURCES USING MULTI-POLE SENSORS**
[54] **SYSTEMES ET PROCEDES DE LOCALISATION DE SOURCES DE SIGNAL A L'AIDE DE CAPTEURS MULTIPOLAIRES**
[72] GHORAANI, BEHNAZ, US
[72] GANESAN, PRASANTH, US
[71] FLORIDA ATLANTIC UNIVERSITY BOARD OF TRUSTEES, US
[85] 2019-11-14
[86] 2018-05-08 (PCT/IB2018/053195)
[87] (WO2018/211357)
[30] US (15/595,110) 2017-05-15

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[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A METHOD OF SENSITIZING CANCER CELLS TO ANTI-CANCER TREATMENT**
[54] **METHODE DE SENSIBILISATION DE CELLULES CANCEREUSES A UN TRAITEMENT ANTICANCEREUX**
[72] DEVARY, YORAM, IL
[71] TWO TO BIOTECH LTD., IL
[85] 2019-11-14
[86] 2018-05-17 (PCT/IL2018/050542)
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[30] US (62/507,939) 2017-05-18

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **EXPANDABLE CASING ANCHOR**
[54] **ANCRAGE DE TUBAGE AGRANDISSABLE**
[72] NORMAN, TYLER JOSEPH, US
[72] DOCKWEILER, DAVID ALLEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-14
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[25] EN
[54] **POLYMER DISPERSIONS FOR WAX INHIBITION**
[54] **DISPERSIONS POLYMERES POUR L'INHIBITION DE CIRE**
[72] DUFILS, PIERRE-EMMANUEL, FR
[72] WILSON, DAVID JAMES, FR
[72] HATCHMAN, KEVAN, GB
[71] RHODIA OPERATIONS, FR
[85] 2019-11-14
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[30] EP (17305678.9) 2017-06-07

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[25] EN
[54] **BIT-ROCK INTERACTION MODELING**
[54] **MODELISATION D'INTERACTION TREPAN-ROCHE**
[72] CHEN, SHILIN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-14
[86] 2017-07-07 (PCT/US2017/041158)
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[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREDICTING FAULT SEAL FROM SEISMIC DATA**
[54] **SYSTEME ET PROCEDE DE PREDICTION DE JOINT DE PROTECTION CONTRE LES DEFAUTS A PARTIR DE DONNEES SISMIQUES**
[72] LIU, HUAFENG, US
[72] MEDWEDEFF, DONALD ARTHUR, US
[71] CHEVRON U.S.A. INC., US
[85] 2019-11-14
[86] 2018-05-11 (PCT/IB2018/053277)
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[30] US (15/606,067) 2017-05-26

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[51] **Int.Cl. E02F 3/85 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE, METHOD, AND WORK VEHICLE**
[54] **SYSTEME ET PROCEDE DE COMMANDE DESTINES A UN VEHICULE DE CHANTIER ET VEHICULE DE CHANTIER**
[72] HASHIMOTO, KAZUHIRO, JP
[72] SHIMADA, KENJIRO, JP
[72] KAWANO, TOSHIHIRO, JP
[72] YAMAGUCHI, YOSUKE, JP
[71] KOMATSU LTD., JP
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[86] 2017-08-29 (PCT/JP2017/030934)
[87] (WO2019/043788)

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[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01) H04L 12/803 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ESTABLISHING A SERVICE PATH IN A COMMUNICATIONS NETWORK**
[54] **PROCEDE ET SYSTEME D'ETABLISSEMENT D'UN CHEMIN DE SERVICE DANS UN RESEAU DE COMMUNICATION**
[72] HAAG, THOMAS, DE
[72] KOLBE, HANS-JORG, DE
[72] MICHEL, CARSTEN, DE
[72] HURST, WOLFGANG, DE
[72] HEILAND, ADAM, DE
[71] DEUTSCHE TELEKOM AG, DE
[85] 2019-11-14
[86] 2018-06-12 (PCT/EP2018/065521)
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[30] EP (17175601.8) 2017-06-12

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[51] **Int.Cl. A01K 1/015 (2006.01)**
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[54] **CAT ATTRACTANT**
[54] **ATTRACTIF POUR CHAT**
[72] WANG, LIN, US
[72] FLICKINGER, ELIZABETH, US
[72] EVERSMEYER, MICHAEL, US
[71] KENT PET GROUP, INC., US
[85] 2019-11-14
[86] 2018-02-23 (PCT/US2018/019409)
[87] (WO2018/217257)
[30] US (15/901,590) 2018-02-21
[30] US (62/510,457) 2017-05-24

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[51] **Int.Cl. C12N 15/86 (2006.01) A61K 39/12 (2006.01) A61K 39/165 (2006.01)**
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[54] **VIRUS MODIFIES**
[72] MUNOZ ALIA, MIGUEL A., US
[72] RUSSELL, STEPHEN JAMES, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2019-11-14
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[87] (WO2018/212842)
[30] US (62/506,892) 2017-05-16

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[51] **Int.Cl. G01V 8/16 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **DISPERSION-SHIFTED OPTICAL FIBERS FOR DOWNHOLE SENSING**
[54] **FIBRES OPTIQUES A DISPERSION DECALEE POUR DETECTION DE FOND DE TROU**
[72] JOHNSTON, WILLIAM ALBERT, US
[72] WYSOCKI, PAUL FRANCIS, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-11-14
[86] 2018-04-13 (PCT/US2018/027550)
[87] (WO2018/212872)
[30] US (15/596,504) 2017-05-16

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[51] **Int.Cl. A41C 3/12 (2006.01)**
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[54] **WOMAN'S UNDERGARMENT**
[54] **SOUS-VETEMENT FEMININ**
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[71] GOLD FLAG LTD., JP
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[86] 2017-09-14 (PCT/JP2017/033292)
[87] (WO2019/053846)

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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 90/00 (2016.01) G16H 20/40 (2018.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTION OF OBJECTS WITHIN A FIELD OF VIEW OF AN IMAGE CAPTURE DEVICE**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'OBJETS DANS LE CHAMP DE VISION D'UN DISPOSITIF DE CAPTURE D'IMAGES**
[72] PEINE, WILLIAM, US
[71] COVIDIEN LP, US
[85] 2019-11-14
[86] 2018-05-07 (PCT/US2018/031327)
[87] (WO2018/217433)
[30] US (62/511,022) 2017-05-25

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **USE OF ANTI CD70 ANTIBODY ARGX-110 TO TREAT ACUTE MYELOID LEUKAEMIA**
[54] **UTILISATION D'ANTICORPS ANTI-CD70 ARGX-110 POUR TRAITER LA LEUCEMIE MYELOIDE AIGUE**
[72] LEUPIN, NICOLAS, BE
[72] VAN ROMPAEY, LUC, BE
[72] DE HAARD, HANS, BE
[72] OCHSENBEIN, ADRIAN, CH
[72] RIETHER, CARSTEN, CH
[71] ARGENX BVBA, BE
[71] UNIVERSITY OF BERN, CH
[85] 2019-11-14
[86] 2018-06-18 (PCT/EP2018/066144)
[87] (WO2018/229303)
[30] GB (1709677.7) 2017-06-16

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) C12N 15/113 (2010.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **GENERATING MAMMALIAN T CELL ACTIVATION INDUCIBLE SYNTHETIC PROMOTERS (SYN+PRO) TO IMPROVE T CELL THERAPY**
[54] **GENERATION DE PROMOTEURS SYNTHETIQUES INDUCTIBLES PAR ACTIVATION DE LYMPHOCYTES T MAMMIFERES (SYN + PRO) POUR AMELIORER LE TRAITEMENT DES LYMPHOCYTES T**
[72] WEI, JIA, US
[72] JENSEN, MICHAEL C., US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE, US
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032800)
[87] (WO2018/213332)
[30] US (62/507,565) 2017-05-17

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[51] **Int.Cl. G06F 15/16 (2006.01) G06Q 10/06 (2012.01) H04L 9/00 (2006.01)**
[25] EN
[54] **AUTOMATED AND DISTRIBUTED VERIFICATION FOR CERTIFICATION AND LICENSE DATA**
[54] **VERIFICATION AUTOMATISEE ET DISTRIBUEE POUR DES DONNEES DE CERTIFICATION ET DE LICENCE**
[72] JOHNSON, DAVID LINDSAY, US
[72] BOSLET, MICHAEL, US
[71] ATLAS CERTIFIED, LLC, US
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032804)
[87] (WO2018/213333)
[30] US (62/506,510) 2017-05-15

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[13] A1
[51] **Int.Cl. A23L 5/42 (2016.01) A23K 20/179 (2016.01) A23K 20/20 (2016.01)**
[25] EN
[54] **A COLORING COMPOSITION COMPRISING TRICALCIUM PHOSPHATE AS A WHITE COLORING AGENT**
[54] **COMPOSITION COLORANTE COMPRENANT DU PHOSPHATE TRICALCIQUE EN TANT QUE COLORANT BLANC**
[72] KOEHLER, KLAUS, DK
[72] PADMANABHAN, NATARAJAN, US
[71] CHR. HANSEN NATURAL COLORS A/S, DK
[85] 2019-11-14
[86] 2018-06-25 (PCT/EP2018/066876)
[87] (WO2019/002170)
[30] EP (17177997.8) 2017-06-27

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[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01)**
[25] EN
[54] **A CONSTRUCTION SYSTEM FOR WALL CLADDING**
[54] **SYSTEME DE CONSTRUCTION DESTINE A UN REVETEMENT MURAL**
[72] COLOM TALLO, JAUME, ES
[71] COLOM TALLO, JAUME, ES
[85] 2019-11-14
[86] 2018-05-24 (PCT/ES2018/070374)
[87] (WO2018/224710)
[30] EP (17382341.0) 2017-06-07
[30] ES (U 201830122) 2018-01-31

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[51] **Int.Cl. B64D 27/24 (2006.01)**
[25] FR
[54] **HYBRID PROPULSION ARCHITECTURE FOR AN AIRCRAFT COMPRISING A MOTOR WITH TWO REVERSIBLE ELECTRIC MACHINES MOUNTED ON TWO SHAFTS**
[54] **ARCHITECTURE PROPULSIVE HYBRIDE D'AERONEF COMPRENANT UN MOTEUR AVEC UNE MACHINE ELECTRIQUE REVERSIBLE MONTEE SUR DEUX ARBRES**
[72] JALJAL, NAWAL, FR
[72] DESARNAUD, FABIEN, FR
[71] SAFRAN, FR
[85] 2019-11-14
[86] 2018-05-18 (PCT/FR2018/051202)
[87] (WO2018/211227)
[30] FR (1754493) 2017-05-19

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[13] A1
[51] **Int.Cl. B65D 81/38 (2006.01) B65D 19/38 (2006.01)**
[25] EN
[54] **PALLET COVER COMPRISING ONE OR MORE TEMPERATURE-CONTROL MEMBERS AND KIT FOR USE IN MAKING THE PALLET COVER**
[54] **PROTECTION DE PALETTE COMPRENANT UN OU PLUSIEURS ELEMENTS DE REGULATION DE TEMPERATURE ET KIT A UTILISER POUR LA FABRICATION DE LA PROTECTION DE PALETTE**
[72] LONGLEY, AMANDA, US
[72] KAISER, GEOFFREY, US
[72] CHASTEEN, JAMES ROBERT, US
[72] PANSE, SHREYAS S., US
[72] FORMATO, RICHARD M., US
[71] COLD CHAIN TECHNOLOGIES, LLC, US
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032828)
[87] (WO2018/213348)
[30] US (15/595,671) 2017-05-15

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[13] A1
[51] **Int.Cl. C10G 65/12 (2006.01) C10G 69/00 (2006.01) C10G 69/06 (2006.01) C10G 69/14 (2006.01)**
[25] EN
[54] **METHOD FOR THE CONVERSION OF HEAVY OILS TO PETROCHEMICAL PRODUCTS**
[54] **PROCEDE DE CONVERSION D'HUILES LOURDES EN PRODUITS PETROCHIMIQUES**
[72] DING, LIANHUI, SA
[72] AL-SAYED, ESSAM, SA
[72] MOHAMED, SHERIF, SA
[72] AL-NUTAIFI, IBRAHIM, SA
[72] BALLESTEROS, ALBERTO LOZANO, SA
[72] ABBA, IBRAHIM, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-14
[86] 2018-05-01 (PCT/US2018/030434)
[87] (WO2018/212985)
[30] US (62/506,310) 2017-05-15
[30] US (15/799,338) 2017-10-31

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[13] A1
[51] **Int.Cl. E01B 2/00 (2006.01) B60M 5/00 (2006.01) H02G 9/04 (2006.01)**
[25] EN
[54] **A CABLE THROUGH WITH AN INTEGRATED WALKWAY FUNCTION FOR USE IN RAILWAYS**
[54] **CHEMIN DE CABLE A FONCTION DE PASSERELLE INTEGREE UTILISABLE EN CHEMIN DE FER**
[72] WELLENS, STEWART, GB
[71] TROJAN SERVICES LIMITED, GB
[85] 2019-11-14
[86] 2018-03-29 (PCT/GB2018/050886)
[87] (WO2018/215730)
[30] GB (1708253.8) 2017-05-23

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[13] A1
[51] **Int.Cl. C07F 17/00 (2006.01) C08F 2/00 (2006.01) C08F 4/64 (2006.01) C08F 4/659 (2006.01) C08F 210/00 (2006.01)**
[25] EN
[54] **A HAFNIUM COMPLEX; A SUPPORTED HAFNIUM COMPLEX; METHODS OF FORMING A POLYMER USING SUCH COMPLEXES**
[54] **COMPLEXE D'HAFNIUM, COMPLEXE D'HAFNIUM SUPPORTE, PROCEDES DE FORMATION D'UN POLYMERE A L'AIDE DE TELS COMPLEXES**
[72] HARLAN, C. JEFF, US
[72] LUE, CHING-TAI, US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2019-11-14
[86] 2018-05-16 (PCT/US2018/032893)
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[30] US (62/507,508) 2017-05-17

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[51] **Int.Cl. H04W 4/029 (2018.01) H04W 4/38 (2018.01) G16Z 99/00 (2019.01) G07C 3/00 (2006.01) G07C 5/00 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **USING TELEMATICS DATA TO IDENTIFY A TYPE OF A TRIP**
[54] **UTILISATION DE DONNEES TELEMATIQUES POUR IDENTIFIER UN TYPE DE VOYAGE**
[72] PARK, JUN-GEUN, US
[71] CAMBRIDGE MOBILE TELEMATICS INC., US
[85] 2019-11-14
[86] 2018-05-03 (PCT/US2018/030869)
[87] (WO2018/213013)
[30] US (15/596,384) 2017-05-16
[30] US (15/874,017) 2018-01-18

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[51] **Int.Cl. A01M 1/10 (2006.01) A01M 1/02 (2006.01) A01M 13/00 (2006.01) A01N 59/04 (2006.01)**
[25] EN
[54] **BEDBUG TRAP WITH CARBON DIOXIDE GENERATOR**
[54] **PIEGE A PUNAISES DE LIT AVEC GENERATEUR DE DIOXYDE DE CARBONE**
[72] STEVENS, PAUL, US
[71] TUGBUG, LLC, US
[85] 2019-11-14
[86] 2018-05-04 (PCT/US2018/031225)
[87] (WO2018/213028)
[30] US (15/594,931) 2017-05-15

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[51] **Int.Cl. H05B 3/34 (2006.01)**
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[54] **SECTIONABLE FLOOR HEATING SYSTEM**
[54] **SYSTEME CHAUFFANT POUR LE SOL A SECTIONS**
[72] RAY, SUMAN SINHA, US
[72] RAO, AJITH MULKY, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2019-11-14
[86] 2018-05-16 (PCT/US2018/032900)
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[30] US (62/506,766) 2017-05-16
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[51] **Int.Cl. H05B 33/08 (2006.01) A61M 21/00 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **LIGHTING DEVICES AND METHODS FOR USE**
[54] **DISPOSITIFS D'ECLAIRAGE ET PROCEDES D'UTILISATION**
[72] PAULSEN, GARY, US
[72] BASKEN, DAVID, US
[72] MULLER, MATTHEW, US
[71] PAULSEN, GARY, US
[71] BASKEN, DAVID, US
[71] MULLER, MATTHEW, US
[85] 2019-11-14
[86] 2018-03-01 (PCT/US2018/020395)
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[30] US (62/508,286) 2017-05-18
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[25] EN
[54] **MULTILAYER HIGH-DYNAMIC-RANGE HEAD-MOUNTED DISPLAY**
[54] **VISIOCASQUE MULTICOUCHE A GAMME DYNAMIQUE ELEVEE**
[72] HUA, HONG, US
[72] XU, MIAOMIAO, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033430)
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[30] US (62/508,202) 2017-05-18

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[51] **Int.Cl. A61J 3/07 (2006.01) A61K 9/00 (2006.01) A61M 5/00 (2006.01) A61M 5/14 (2006.01)**
[25] EN
[54] **SELF-RIGHTING SYSTEMS, METHODS, AND RELATED COMPONENTS**
[54] **SYSTEMES A REDRESSEMENT AUTOMATIQUE, PROCEDES ET COMPOSANTS ASSOCIES**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] ABRAMSON, ALEX G., US
[72] CAFFAREL SALVADOR, ESTER, US
[72] ROXHED, NICLAS, SE
[72] KHANG, MINSOO, US
[72] BENSEL, TAYLOR, US
[72] LANGER, ROBERT S., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2019-11-14
[86] 2018-05-17 (PCT/US2018/033210)
[87] (WO2018/213593)
[30] US (62/507,653) 2017-05-17
[30] US (62/507,647) 2017-05-17
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[25] EN
[54] **SELF-RIGHTING ARTICLES**
[54] **ARTICLES A REDRESSEMENT AUTOMATIQUE**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] ABRAMSON, ALEX G., US
[72] CAFFAREL SALVADOR, ESTER, US
[72] ROXHED, NICLAS, SE
[72] KHANG, MINSOO, US
[72] BENSEL, TAYLOR, US
[72] LANGER, ROBERT S., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2019-11-14
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[87] (WO2018/213576)
[30] US (62/507,647) 2017-05-17
[30] US (62/507,653) 2017-05-17
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[51] **Int.Cl. A61M 37/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **COMPONENTS WITH HIGH API LOADING**
[54] **COMPOSANTS A CHARGE API ELEVEE**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] ABRAMSON, ALEX G., US
[72] CAFFAREL SALVADOR, ESTER, US
[72] ROXHED, NICLAS, SE
[72] KHANG, MINSOO, US
[72] BENSEL, TAYLOR, US
[72] LANGER, ROBERT S., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2019-11-14
[86] 2018-05-17 (PCT/US2018/033193)
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[30] US (62/507,647) 2017-05-17
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[25] EN
[54] **DIAGNOSTIC ASSAYS FOR DETECTING, QUANTIFYING, AND/OR TRACKING MICROBES AND OTHER ANALYTES**
[54] **DOSAGES DE DIAGNOSTIC POUR DETECTER, QUANTIFIER ET/OU SUIVRE DES MICROBES ET D'AUTRES ANALYTES**
[72] ZORNER, PAUL, US
[72] MATHUR, ERIC J., US
[72] COLLINS, JOSH, US
[72] BELL, HOWARD, US
[72] SHIBATA, SCOTT ALAN, US
[71] LOCUS AGRICULTURE IP COMPANY, LLC, US
[71] INTELLIGENT MATERIAL SOLUTIONS, INC., US
[85] 2019-11-14
[86] 2018-05-17 (PCT/US2018/033222)
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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR TREATING CANCER**
[54] **POLYTHERAPIES POUR LE TRAITEMENT DU CANCER**
[72] SUN, KAIMING, US
[72] WANG, JING YU, US
[72] WANG, ZEBIN, US
[71] TESARO, INC., US
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033437)
[87] (WO2018/213732)
[30] US (62/508,363) 2017-05-18
[30] US (62/508,481) 2017-05-19
[30] US (62/578,204) 2017-10-27

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **INTERSECTIONAL SHORT-PULSE ELECTRICAL STIMULATION OF THE BRAIN**
[54] **STIMULATION ELECTRIQUE A IMPULSIONS COURTES CROISEE DU CERVEAU**
[72] BERENYI, ANTAL, HU
[72] BUZSAKI, GYORGY, US
[71] NEW YORK UNIVERSITY, US
[71] UNIVERSITY OF SZEGED, HU
[85] 2019-11-14
[86] 2018-05-17 (PCT/US2018/033253)
[87] (WO2018/213622)
[30] US (62/508,251) 2017-05-18

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[51] **Int.Cl. A61K 47/54 (2017.01) C12Q 1/6809 (2018.01) A61K 31/65 (2006.01) A61K 31/7048 (2006.01) A61P 35/00 (2006.01) C07H 17/08 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **ANTIMITOSCINS: TARGETED INHIBITORS OF MITOCHONDRIAL BIOGENESIS FOR ERADICATING CANCER STEM CELLS**
[54] **ANTIMITOSCINES : INHIBITEURS CIBLES DE BIOGENESE MITOCHONDRIALE POUR ERADIQUER LES CELLULES SOUCHES CANCEREUSES**
[72] LISANTI, MICHAEL P., US
[72] SOTGIA, FEDERICA, US
[71] LUNELLA BIOTECH, INC., CA
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033466)
[87] (WO2018/213751)
[30] US (62/508,702) 2017-05-19

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4406 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES**
[54] **POLYTHERAPIES**
[72] ORDENTLICH, PETER, US
[72] WANG, LEI, US
[71] SYNDAX PHARMACEUTICALS, INC., US
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033324)
[87] (WO2018/213665)
[30] US (62/508,842) 2017-05-19

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[51] **Int.Cl. A61M 5/178 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **GRIP ACCESSORY FOR A MANUAL INJECTION DEVICE**
[54] **ACCESSOIRE DE PREHENSION DESTINE A UN DISPOSITIF D'INJECTION MANUEL**
[72] MCLUSKY, JAMES, GB
[72] FOLEY, NICK, GB
[72] MOWER, JIMMY, GB
[72] SCRIMGEOUR, IAN, GB
[72] CANNAMELA, MICHAEL, US
[72] KRULEVITCH, PETER, US
[72] LIU, KUI, US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2019-11-14
[86] 2018-05-29 (PCT/US2018/034850)
[87] (WO2018/222575)
[30] GB (1708595.2) 2017-05-30

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[13] A1
[51] **Int.Cl. B65D 90/04 (2006.01) B65B 69/00 (2006.01)**
[25] EN
[54] **LINER WITH LIFTING CRADLE**
[54] **DOUBLURE AVEC BERCEAU DE LEVAGE**
[72] MCKEE, TONY R., US
[72] MANKOSA, MITCH A., US
[72] SADKOWSKI, ADAM M., US
[71] ILC DOVER IP, INC., US
[85] 2019-11-14
[86] 2018-05-22 (PCT/US2018/033888)
[87] (WO2018/217751)
[30] US (62/510,521) 2017-05-24
[30] US (15/985,606) 2018-05-21

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[13] A1
[51] **Int.Cl. G01V 1/28 (2006.01)**
[25] EN
[54] **GENERATING A VELOCITY MODEL USING SUBSURFACE AZIMUTH AND REFLECTION ANGLE DEPENDENT FULL WAVEFORM INVERSION**
[54] **GENERATION D'UN MODELE DE VITESSE A L'AIDE D'UNE INVERSION DE FORME D'ONDE COMPLETE DEPENDANT DE L'AZIMUT ET DE L'ANGLE DE REFLEXION SOUTERRAINS**
[72] TSINGAS, CONSTANTINOS, SA
[72] JEONG, WOODON, SA
[72] KIM, YOUNG SEO, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-14
[86] 2018-05-08 (PCT/US2018/031611)
[87] (WO2018/213063)
[30] US (15/598,030) 2017-05-17

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[13] A1
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 38/20 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES ENCODING TETHERED INTERLEUKIN-12 (IL12) POLYPEPTIDES AND USES THEREOF**
[54] **POLYNUCLEOTIDES CODANT POUR DES POLYPEPTIDES D'INTERLEUKINE-12 (IL12) ANCRES ET LEURS UTILISATIONS**
[72] MISHRA, ANKITA, US
[72] FREDERICK, JOSHUA, US
[72] GURUMURTHY, SUSHMA, US
[71] MODERNATX, INC., US
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033436)
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[30] US (62/508,316) 2017-05-18

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[51] **Int.Cl. H01M 12/08 (2006.01) H01M 8/0234 (2016.01) H01M 4/52 (2010.01) H01M 4/66 (2006.01) H01M 4/92 (2006.01) H01M 14/00 (2006.01)**
[25] EN
[54] **ULTRASTABLE RECHARGEABLE MANGANESE BATTERY WITH SOLID-LIQUID-GAS REACTIONS**
[54] **BATTERIE AU MANGANESE RECHARGEABLE ULTRASTABLE AVEC DES REACTIONS SOLIDE-LIQUIDE-GAZ**
[72] CHEN, WEI, US
[72] CUI, YI, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2019-11-14
[86] 2018-05-29 (PCT/US2018/034919)
[87] (WO2018/222609)
[30] US (62/513,373) 2017-05-31

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[51] **Int.Cl. A61K 38/46 (2006.01) A23K 20/189 (2016.01) A23L 33/10 (2016.01) A23L 33/17 (2016.01) A61P 1/14 (2006.01) A61P 3/06 (2006.01) C12N 9/14 (2006.01)**
[25] EN
[54] **ENZYME COMPOSITION FOR MANAGEMENT OF METABOLIC HEALTH**
[54] **COMPOSITION ENZYMATIQUE POUR LA GESTION DE LA SANTE METABOLIQUE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MAJEED, SHAHEEN, US
[71] SAMI LABS LIMITED, IN
[85] 2019-11-14
[86] 2018-05-23 (PCT/US2018/034028)
[87] (WO2018/217833)
[30] US (62/510,858) 2017-05-25

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/136 (2017.01) G06T 7/187 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYSIS OF HETEROTOPIC OSSIFICATION IN 3D IMAGES**
[54] **SYSTEMES ET PROCEDES D'ANALYSE D'UNE OSSIFICATION HETEROTOPIQUE DANS DES IMAGES 3D**
[72] BEHROOZ, ALI, US
[71] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2019-11-14
[86] 2018-05-23 (PCT/US2018/034103)
[87] (WO2018/217871)
[30] US (15/604,350) 2017-05-24

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[13] A1
[51] **Int.Cl. C07D 277/28 (2006.01) C07C 211/19 (2006.01) C07C 211/25 (2006.01) C07C 211/41 (2006.01) C07C 217/56 (2006.01) C07C 233/14 (2006.01) C07C 235/14 (2006.01) C07C 271/24 (2006.01) C07D 213/38 (2006.01) C07D 235/14 (2006.01) C07D 239/26 (2006.01) C07D 263/56 (2006.01) C07D 277/64 (2006.01) C07D 277/78 (2006.01)**
[25] EN
[54] **ANALGESIC COMPOUNDS**
[54] **COMPOSES ANALGESIQUES**
[72] HOPKINS, CHAD DANIEL, US
[72] PINCHMAN, JOSEPH ROBERT, US
[72] BUNKER, KEVIN DUANE, US
[72] SLEE, DEBORAH HELEN, US
[72] BOREN, BRANT CLAYTON, US
[72] KAHRAMAN, MEHMET, US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2019-11-14
[86] 2018-05-11 (PCT/US2018/032417)
[87] (WO2018/213140)
[30] US (62/506,512) 2017-05-15

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **THERAPEUTIC ANTI-CD40 LIGAND ANTIBODIES**
[54] **ANTICORPS ANTI-LIGAND ANTI-CD40 THERAPEUTIQUES**
[72] LUGOVSKOY, ALEXEY, US
[71] ALS THERAPY DEVELOPMENT INSTITUTE, US
[85] 2019-11-14
[86] 2018-05-23 (PCT/US2018/034172)
[87] (WO2018/217918)
[30] US (62/510,471) 2017-05-24

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[13] A1
[51] **Int.Cl. G06F 13/38 (2006.01) G06F 3/06 (2006.01) G06F 12/02 (2006.01) G06F 12/08 (2016.01) G11B 20/10 (2006.01) H04L 1/18 (2006.01) H04L 12/28 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD OF DATA AGGREGATION FOR CACHE OPTIMIZATION AND EFFICIENT PROCESSING**
[54] **PROCEDE D'AGREGATION DE DONNEES POUR OPTIMISATION DE MEMOIRE CACHE ET TRAITEMENT EFFICACE**
[72] HARDING, EDWARD P., JR., US
[72] RILEY, ADAM D., US
[72] KINGSLEY, CHRISTOPHER H., US
[72] WIESNER, SCOTT, US
[71] ALTERYX, INC., US
[85] 2019-11-14
[86] 2018-05-14 (PCT/US2018/032557)
[87] (WO2018/213184)
[30] US (15/595,880) 2017-05-15

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[13] A1
[51] **Int.Cl. B65D 90/04 (2006.01) B65D 88/16 (2006.01) B65D 88/54 (2006.01)**
[25] EN
[54] **FLEXIBLE CONTAINER LINER WRINGING DEVICE AND LINER**
[54] **DISPOSITIF DE VIDAGE POUR UNE GARNITURE INTERNE SOUPLE D'UN RECEPTACLE ET GARNITURE INTERNE**
[72] MCKEE, TONY R., US
[72] FEARN, WAYNE A., US
[71] ILC DOVER IP, INC., US
[85] 2019-11-14
[86] 2018-05-24 (PCT/US2018/034327)
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[30] US (15/603,798) 2017-05-24

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[13] A1
[51] **Int.Cl. C12N 15/00 (2006.01) C07K 14/00 (2006.01) C12N 9/22 (2006.01) C12N 9/50 (2006.01) C12N 9/78 (2006.01)**
[25] EN
[54] **BASE EDITORS WITH IMPROVED PRECISION AND SPECIFICITY**
[54] **EDITEURS DE BASE AYANT UNE PRECISION ET UNE SPECIFICITE AMELIOREES**
[72] JOUNG, J. KEITH, US
[72] GEHRKE, JASON MICHAEL, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2019-11-14
[86] 2018-05-25 (PCT/US2018/034719)
[87] (WO2018/218188)
[30] US (62/511,296) 2017-05-25
[30] US (62/541,544) 2017-08-04
[30] US (62/622,676) 2018-01-26

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[51] **Int.Cl. A47G 19/10 (2006.01) A47B 13/16 (2006.01) A47G 23/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR HOLDING TABLEWARE ON A TABLE**
[54] **SYSTEME DE SUPPORT DE VAISSELLE SUR UNE TABLE**
[72] CARROLL, JODI A., US
[72] CARROLL, JAMES ROBERT, US
[71] CARROLL, JODI A., US
[71] CARROLL, JAMES ROBERT, US
[85] 2019-11-14
[86] 2018-05-14 (PCT/US2018/032582)
[87] (WO2019/040137)
[30] US (62/506,384) 2017-05-15
[30] US (62/518,142) 2017-06-12

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[13] A1
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 35/76 (2015.01) A61K 38/20 (2006.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61P 37/04 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C12N 15/24 (2006.01) C12N 15/62 (2006.01) C12N 15/861 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **COMBINATION IMMUNOTHERAPIES COMPRISING IL-15 SUPERAGONISTS**
[54] **IMMUNOTHERAPIES COMBINEES FAISANT APPEL A DES SUPERAGONISTES DE L'IL - 15**
[72] JONES, FRANK R., US
[72] RICE, ADRIAN, US
[72] GABITZSCH, ELIZABETH, US
[72] LATCHMAN, YVETTE, US
[72] BALINT, JOSEPH, US
[71] ETUBICS CORPORATION, US
[85] 2019-11-14
[86] 2018-05-25 (PCT/US2018/034780)
[87] (WO2018/218230)
[30] US (62/511,845) 2017-05-26

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 30/08 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR DYNAMIC USED VEHICLE MARKETING, DEALER MATCHING, AND EXTENDED SALE PERIOD TRANSACTIONS PLATFORM**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR LA COMMERCIALISATION DYNAMIQUE DE VEHICULES D'OCCASION, MISE EN CORRESPONDANCE DE CONCESSIONNAIRE ET PLATEFORME DE TRANSACTIONS DE PERIODE DE VENTE PROLONGEE**
[72] WOLLMER, BRADLEY JAMES, US
[72] CLARK, SCOTT DAVID, US
[72] BAER, JEFFREY HENRY, US
[71] WIPPY, LLC, US
[85] 2019-11-14
[86] 2018-05-14 (PCT/US2018/032602)
[87] (WO2018/213201)
[30] US (62/506,071) 2017-05-15
[30] US (62/561,041) 2017-09-20
[30] US (62/561,074) 2017-09-20

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **DELIVERY SYSTEMS WITH TELESCOPING CAPSULES FOR DEPLOYING PROSTHETIC HEART VALVE DEVICES**
[54] **SYSTEMES DE POSE POURVUS DE CAPSULES TELESCOPIQUES POUR DEPLOYER DES DISPOSITIFS DE VALVULE CARDIAQUE PROTHETIQUE**
[72] MAUCH, KEVIN, US
[72] DWORK, JOSHUA, US
[71] TWELVE, INC., US
[85] 2019-11-14
[86] 2018-05-30 (PCT/US2018/035081)
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[30] US (15/611,823) 2017-06-02

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[51] **Int.Cl. G06F 9/44 (2018.01) G06F 17/00 (2019.01) G06F 17/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RAPIDLY BUILDING, MANAGING, AND SHARING MACHINE LEARNING MODELS**
[54] **SYSTEMES ET PROCEDES DESTINES A CONSTRUIRE, GERER, ET PARTAGER RAPIDEMENT DES MODELES D'APPRENTISSAGE MACHINE**
[72] LIU, JOHN, US
[72] ESTES, TIMOTHY, US
[72] CARL, BRANDON, US
[72] HUGHES, CORY, US
[72] KAMATH, UDAY, US
[71] DIGITAL REASONING SYSTEMS, INC., US
[85] 2019-11-14
[86] 2018-05-14 (PCT/US2018/032607)
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[30] US (62/505,936) 2017-05-14

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[51] **Int.Cl. C12N 15/10 (2006.01) C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPOSITIONS FOR TARGETED NUCLEIC ACID EDITING**
[54] **SYSTEMES, PROCEDES ET COMPOSITIONS D'EDITION CIBLEE D'ACIDES NUCLEIQUES**
[72] ZHANG, FENG, US
[72] COX, DAVID BENJAMIN TURITZ, US
[72] GOOTENBERG, JONATHAN, US
[72] ABUDAYYEH, OMAR O., US
[72] ZETSCHE, BERND, US
[72] STRECKER, JONATHAN, US
[71] THE BOARD INSTITUTE INC., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2019-11-14
[86] 2018-05-18 (PCT/US2018/033394)
[87] (WO2018/213708)
[30] US (62/568,133) 2017-10-04
[30] US (62/609,957) 2017-12-22
[30] US (62/508,293) 2017-05-18
[30] US (62/561,663) 2017-09-21

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[51] **Int.Cl. G01V 1/36 (2006.01)**
[25] EN
[54] **SUPPRESSING NOISES IN SEISMIC DATA**
[54] **SUPPRESSION DE BRUITS DANS DES DONNEES SISMIQUES**
[72] QIN, FUHAO, SA
[72] TSINGAS, CONSTANTINOS, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032728)
[87] (WO2018/213283)
[30] US (15/597,861) 2017-05-17

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[51] **Int.Cl. G08B 17/00 (2006.01) G08B 17/10 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **SMOKE DEVICE AND SMOKE DETECTION CIRCUIT**
[54] **DISPOSITIF DE FUMEE ET CIRCUIT DE DETECTION DE FUMEE**
[72] GONZALES, ERIC V., US
[71] GONZALES, ERIC V., US
[85] 2019-11-14
[86] 2018-05-31 (PCT/US2018/035447)
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[30] US (62/512,939) 2017-05-31
[30] US (62/583,704) 2017-11-09

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[51] **Int.Cl. C12P 19/56 (2006.01) A23L 27/30 (2016.01) A23L 2/60 (2006.01) C07H 15/256 (2006.01) C12N 1/19 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01)**
[25] EN
[54] **HIGH-PURITY STEVIOL GLYCOSIDES**
[54] **GLYCOSIDES DE STEVIOL DE HAUTE PURETE**
[72] MARKOSYAN, AVETIK, AM
[72] PURKAYASTHA, SIDDHARTHA, US
[72] BAYER, CHRISTOPHER, DE
[72] VOGEL, ANDREAS, DE
[72] KOPKE, SABRINA, DE
[72] BARTSCH, SEBASTIAN, DE
[72] BRUCHER, BIRGIT, DE
[72] FELLER, CLAUDIA, DE
[72] SCHONERT, STEFAN, DE
[72] SALOMO, MATHIAS, DE
[72] SCHULTCHEN, THOMAS, DE
[71] PURECIRCLE USA INC., US
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032720)
[87] (WO2018/213279)
[30] US (62/506,357) 2017-05-15
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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/167 (2006.01) A61K 31/436 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/502 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR TREATING CANCERS**
[54] **POLYTHERAPIES POUR LE TRAITEMENT DE CANCERS**
[72] CHEN, YIYOU, US
[71] COTHERA BIOSCIENCE, INC., KY
[85] 2019-11-14
[86] 2018-06-01 (PCT/US2018/035641)
[87] (WO2018/223022)
[30] CN (PCT/CN2017/086911) 2017-06-02

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[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **TAPERED COMPRESSIBLE BITE BLOCK**
[54] **BLOC DE MORSURE COMPRESSIBLE CONIQUE**
[72] WALLIS, ANDREW, AU
[71] INNOVGAS PTY LTD, AU
[85] 2019-11-14
[86] 2018-06-25 (PCT/AU2018/050635)
[87] (WO2019/000025)
[30] AU (2017902539) 2017-06-30

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[51] **Int.Cl. H04N 19/503 (2014.01) H04N 19/513 (2014.01) H04N 19/55 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS OF MOTION VECTOR CONSTRAINT FOR VIDEO CODING**
[54] **PROCEDE ET APPAREIL DE CONTRAINTE DE VECTEUR DE MOUVEMENT POUR CODAGE VIDEO**
[72] CHUANG, TZU-DER, CN
[72] CHEN, CHING-YEH, CN
[72] HUANG, YU-WEN, CN
[72] HSU, CHIH-WEI, CN
[71] MEDIATEK INC., CN
[85] 2019-11-14
[86] 2018-05-17 (PCT/CN2018/087351)
[87] (WO2018/210315)
[30] US (62/507,838) 2017-05-18
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TUMOR VACCINATION AND IMMUNOTHERAPY INVOLVING HER ANTIGENS**
[54] **COMPOSITIONS ET METHODES DE VACCINATION ANTI-TUMORALE ET D'IMMUNOTHERAPIE IMPLIQUANT DES ANTIGENES HER**
[72] JONES, FRANK R., US
[72] BALINT, JOSEPH, US
[72] GABITZSCH, ELIZABETH, US
[71] ETUBICS CORPORATION, US
[85] 2019-11-14
[86] 2018-06-02 (PCT/US2018/035759)
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[51] **Int.Cl. E04B 1/26 (2006.01) E04B 1/24 (2006.01) E04C 5/01 (2006.01) E04C 5/16 (2006.01) E04G 23/02 (2006.01)**
[25] EN
[54] **ROLLING BLOCK RESTRAINT CONNECTOR**
[54] **RACCORD DE RETENUE DE BLOC ROULANT**
[72] CANBY, TIMOTHY W., US
[71] CANBY, TIMOTHY W., US
[85] 2019-11-14
[86] 2018-06-12 (PCT/US2018/037045)
[87] (WO2018/236620)
[30] US (15/629,570) 2017-06-21

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[51] **Int.Cl. A01N 25/30 (2006.01) A01N 31/02 (2006.01) A01N 33/04 (2006.01)**
[25] EN
[54] **SURFACE DISINFECTANT WITH RESIDUAL BIOCIDAL PROPERTY**
[54] **DESINFECTANT DE SURFACE AYANT UNE PROPRIETE BIOCIDE RESIDUELLE**
[72] LAN, TIAN, US
[72] HANNA, SAMUEL JAMES, US
[72] SLOAN, GINA PARISE, US
[72] AYLWARD, BRIAN PATRICK, US
[72] WELCH, KAREN TERRY, US
[72] SHIREMAN, DENNIS EARL, US
[72] KAVCHOK, KEVIN ANDREW, US
[72] HAWES, CHARLES L., US
[72] TURMENNE, JESSE DOUGLAS, US
[72] PETKUS, MATTHEW MICHAEL, US
[71] W.M. BARR & COMPANY, INC., US
[71] MICROBAN PRODUCTS COMPANY, US
[85] 2019-11-14
[86] 2018-06-13 (PCT/US2018/037354)
[87] (WO2018/232000)
[30] US (15/625,612) 2017-06-16

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[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6855 (2018.01)**
[25] EN
[54] **UNIVERSAL SHORT ADAPTERS WITH VARIABLE LENGTH NON-RANDOM UNIQUE MOLECULAR IDENTIFIERS**
[54] **ADAPTATEURS COURTS UNIVERSELS A IDENTIFIANTS MOLECULAIRES UNIQUES NON ALEATOIRES DE LONGUEUR VARIABLE**
[72] ZHAO, CHEN, US
[72] WU, KEVIN, US
[72] CHUANG, HAN-YU, US
[72] LOCOCO, JENNIFER, US
[72] SO, ALEX, US
[72] BAKER, DWIGHT, US
[72] SINGER, TATJANA, US
[71] ILLUMINA, INC., US
[85] 2019-11-14
[86] 2018-09-13 (PCT/US2018/050968)
[87] (WO2019/055715)
[30] US (62/559,448) 2017-09-15
[30] US (16/129,099) 2018-09-12

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[51] **Int.Cl. A61K 36/539 (2006.01) A61K 31/35 (2006.01) A61K 31/353 (2006.01) A61K 31/7048 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR BETA SECRETASE INHIBITION**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION DE LA BETA-SECRETASE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[71] SAMI LABS LIMITED, IN
[85] 2019-11-14
[86] 2018-06-14 (PCT/US2018/037454)
[87] (WO2018/232063)
[30] US (62/520,141) 2017-06-15

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **REACTION CONDITION COMPOSITION FOR CIRCULARIZING OLIGONUCLEOTIDE PROBES**
[54] **COMPOSITION DE CONDITIONS DE REACTION POUR LA CIRCULARISATION DE SONDES OLIGONUCLEOTIDIQUES**
[72] OOMMEN, ABRAHAM, US
[72] PISCATELLI, HEATHER, US
[72] HANGMAN, ALYSSA, US
[71] STEM ARTS PROJECTS, LLC, US
[85] 2019-11-14
[86] 2019-01-11 (PCT/US2019/013222)
[87] (WO2019/140211)
[30] US (62/616,866) 2018-01-12

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[51] **Int.Cl. G01N 1/28 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **CAPSULE FOR LYOPHILIZED REAGENT STORAGE AND DELIVERY**
[54] **CAPSULE POUR LE STOCKAGE ET LA DISTRIBUTION D'UN REACTIF LYOPHILISE**
[72] OOMMEN, ABRAHAM, US
[72] PISCATELLI, HEATHER, US
[72] MANNING, MOLLY, US
[72] HANGMAN, ALYSSA, US
[71] STEM ARTS PROJECTS, LLC, US
[85] 2019-11-14
[86] 2019-04-09 (PCT/US2019/026586)
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[30] US (15/949,985) 2018-04-10

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[51] **Int.Cl. A61K 36/539 (2006.01) A61K 31/35 (2006.01) A61K 31/353 (2006.01) A61K 31/7048 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **NEUROPROTECTIVE COMPOSITIONS AND THEIR USE**
[54] **COMPOSITIONS NEUROPROTECTRICES ET LEUR UTILISATION**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[71] SAMI LABS LIMITED, IN
[85] 2019-11-14
[86] 2018-06-15 (PCT/US2018/037724)
[87] (WO2018/232224)
[30] US (62/520,141) 2017-06-15

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[51] **Int.Cl. A01B 33/02 (2006.01) A01B 35/28 (2006.01) B60G 17/02 (2006.01) F16F 1/04 (2006.01)**
[25] EN
[54] **REGRESSIVE SUSPENSION SPRING SYSTEM**
[54] **SYSTEME DE RESSORT DE SUSPENSION REGRESSIF**
[72] CARLSON, JASON, US
[71] BLOUNT, INC., US
[85] 2019-11-14
[86] 2019-04-11 (PCT/US2019/027097)
[87] (WO2019/200175)
[30] US (62/656,957) 2018-04-12

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[13] A1
[51] **Int.Cl. A23L 7/10 (2016.01) A23L 5/00 (2016.01) A23L 17/00 (2016.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING SUSHI**
[54] **PROCEDE ET APPAREIL DE FOURNITURE DE SUSHIS**
[72] MBOUMTCHO, SERGE, CA
[72] BENVENISTE, LUCIE, CA
[72] RICHARD, LOUIS, CA
[72] ADECHIAN, SOLANGE, CA
[72] CABAL, LAURENT, CA
[71] 9857044 CANADA INC., CA
[85] 2019-11-15
[86] 2017-05-30 (PCT/CA2017/050652)
[87] (WO2018/218329)

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[51] **Int.Cl. B63B 1/22 (2006.01) B63B 39/06 (2006.01)**
[25] EN
[54] **A COMBINATION TRIM TAB AND INTERCEPTOR FOR A MARINE VESSEL**
[54] **COMBINAISON D'UN VOLET COMPENSATEUR ET D'UN INTERCEPTEUR POUR UN NAVIRE**
[72] FETCHKO, ERIC, CA
[72] BAROS, DAVOR, CA
[72] FERGUSON, ART, US
[71] MARINE CANADA ACQUISITION INC., CA
[85] 2019-11-15
[86] 2018-05-17 (PCT/CA2018/050585)
[87] (WO2018/209443)
[30] US (62/507,393) 2017-05-17

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[13] A1
[51] **Int.Cl. E21D 20/02 (2006.01) E21D 21/00 (2006.01)**
[25] EN
[54] **A RESIN ANCHORED ROCKBOLT WITH A PIERCING END**
[54] **BOULON A ROCHE ANCRE EN RESINE POURVU D'UNE EXTREMITE DE PERCAGE**
[72] CROMPTON, BRENDAN ROBERT, ZA
[72] SHEPPARD, JAMES WILLIAM, ZA
[71] EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD, ZA
[85] 2019-11-14
[86] 2018-06-07 (PCT/ZA2018/050031)
[87] (WO2018/227218)
[30] ZA (2017/03891) 2017-06-07

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[13] A1
[51] **Int.Cl. F16L 55/46 (2006.01) F16L 23/00 (2006.01) F16L 41/00 (2006.01) B08B 9/055 (2006.01)**
[25] EN
[54] **DIRECTED JET IMPULSE PIG LAUNCHING SYSTEM AND METHOD OF ITS USE**
[54] **SYSTEME DE LANCEMENT DE PISTON-RACLEUR PAR IMPULSION A JET DIRIGE ET SON PROCEDE D'UTILISATION**
[72] POE, ROGER L., US
[72] SMITH, WOODY, US
[72] TURNER, DAVID, US
[71] TDW DELAWARE, INC., US
[85] 2019-11-14
[86] 2018-08-24 (PCT/US2018/047953)
[87] (WO2019/040870)
[30] US (62/549,500) 2017-08-24
[30] US (16/111,753) 2018-08-24

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[51] **Int.Cl. D06F 35/00 (2006.01) A47L 25/00 (2006.01) B08B 11/00 (2006.01) D06F 15/00 (2006.01)**
[25] EN
[54] **MATTRESS CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DE MATELAS**
[72] COMEAU, ROBERT, CA
[72] AMBORSKY, ROBERT, CA
[71] MATTRESS SPA INC., CA
[85] 2019-11-15
[86] 2018-05-29 (PCT/CA2018/050624)
[87] (WO2018/223219)
[30] US (62/517,286) 2017-06-09

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[13] A1
[51] **Int.Cl. H01P 3/08 (2006.01)**
[25] EN
[54] **CONTACTLESS AIR-FILLED SUBSTRATE INTEGRATED WAVEGUIDE DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES POUR GUIDES D'ONDES INTEGRES AU SUBSTRAT REMPLIS D'AIR SANS CONTACT**
[72] KISHK, AHMED A., CA
[72] BAYAT-MAKOU, NIMA, CA
[71] VALORBEC SOCIETE EN COMMANDITE, CA
[85] 2019-11-15
[86] 2018-05-15 (PCT/CA2018/000094)
[87] (WO2018/209422)
[30] US (62/506,154) 2017-05-15

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[13] A1
[51] **Int.Cl. E21D 20/02 (2006.01) E21D 21/00 (2006.01)**
[25] EN
[54] **RESIN ANCHORED ROCK BOLT WITH A LOCATING FORMATION AT A LEADING END**
[54] **BOULON D'ANCRAGE SCELLE A LA RESINE DOTE D'UNE FORMATION DE LOCALISATION AU NIVEAU D'UNE EXTREMITE AVANT**
[72] CROMPTON, BRENDAN ROBERT, ZA
[72] SHEPPARD, JAMES WILLIAM, ZA
[71] EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD, ZA
[85] 2019-11-14
[86] 2018-06-08 (PCT/ZA2018/050032)
[87] (WO2018/227219)
[30] ZA (2017/03954) 2017-06-09
[30] ZA (2017/05037) 2017-07-25
[30] ZA (2017/08056) 2017-11-28

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[51] **Int.Cl. A61K 31/335 (2006.01) A61K 9/22 (2006.01) A61K 31/365 (2006.01) A61K 31/366 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING DEFECTS IN AVASCULAR CARTILAGINOUS TISSUE BY DIRECTLY ADMINISTERING ONE OR MORE METABOLITES OF SIMVASTATIN**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE DEFAUTS DANS UN TISSU CARTILAGINEUX AVASCULAIRE PAR ADMINISTRATION DIRECTE D'UN OU PLUSIEURS METABOLITES DE SIMVASTATINE**
[72] LIN, CHIA-YING JAMES, US
[71] UNIVERSITY OF CINCINNATI, US
[85] 2019-11-14
[86] 2018-05-15 (PCT/US2018/032635)
[87] (WO2018/213221)
[30] US (62/506,104) 2017-05-15

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[13] A1
[51] **Int.Cl. E04F 13/21 (2006.01) E04F 13/24 (2006.01) E04F 19/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WALL PANEL TRIM INSTALLATION**
[54] **SYSTEME ET PROCEDE D'INSTALLATION DE GARNITURE DE PANNEAU MURAL**
[72] SINGH, JOSHUA GEORGE, CA
[71] SINGH, JOSHUA GEORGE, CA
[85] 2019-11-15
[86] 2018-05-15 (PCT/CA2018/000095)
[87] (WO2018/209423)
[30] US (62/506,288) 2017-05-15

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[13] A1
[51] **Int.Cl. F21V 19/00 (2006.01) F21L 4/00 (2006.01) F21V 29/00 (2015.01)**
[25] EN
[54] **LIGHTING EQUIPMENT**
[54] **APPAREIL D'ECLAIRAGE**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[71] HANGZHOU GREAT STAR TOOLS CO., LTD., CN
[85] 2019-11-15
[86] 2017-05-15 (PCT/CN2017/084371)
[87] (WO2018/209512)

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[13] A1
[51] **Int.Cl. E05B 27/00 (2006.01)**
[25] EN
[54] **LOCK AND KEY THEREFOR**
[54] **SERRURE ET CLE POUR CETTE DERNIERE**
[72] RAMSAY, GEORGE, AU
[71] INTEGRATED LOCK SYSTEMS AUSTRALIA PTY LTD, AU
[85] 2019-11-15
[86] 2018-06-01 (PCT/AU2018/050537)
[87] (WO2018/218301)
[30] AU (2017203748) 2017-06-02

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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **UPLINK CONTROL INFORMATION TRANSMISSION METHOD, DEVICE, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSMISSION D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-15
[86] 2017-05-19 (PCT/CN2017/085029)
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[51] **Int.Cl. F24F 7/02 (2006.01) E04D 13/17 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **ROOF VENT WITH INTEGRATED SHIELD**
[54] **EVENT DE TOIT A PLAQUE DE PROTECTION INTEGREE**
[72] BOURQUE, ANTOINE, CA
[71] BOURQUE, ANTOINE, CA
[85] 2019-11-15
[86] 2018-05-15 (PCT/CA2018/000096)
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[30] US (62/506,122) 2017-05-15

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[54] **MODULE D'ENTRAINEMENT D'EMPILEUR**
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[72] NOTTINGHAM, ALLAN, CA
[72] KROL, ANDRZEJ, CA
[71] MCCLOSKEY INTERNATIONAL, LTD., CA
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[25] EN
[54] **METHOD AND APPARATUS FOR CONFIGURING VIRTUAL NETWORK CARD RATE**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE DEBIT DE CARTE DE RESEAU VIRTUEL**
[72] QIU, JIAN, CN
[71] 10353744 CANADA LTD., CA
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[54] **UPLINK PRECODING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE PRECODAGE DE LIAISON MONTANTE**
[72] CHEN, WENHONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **WIRELESS COMMUNICATION METHOD AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL ET DISPOSITIF TERMINAL**
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[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[51] **Int.Cl. E05D 15/06 (2006.01)**
[25] EN
[54] **SLIDING DEVICE FOR DOORS AND WARDROBE DOORS PROVIDED WITH MULTIPLE ADJUSTMENTS**
[54] **DISPOSITIF COULISSANT POUR PORTES ET PORTES DE GARDE-ROBE DOTE DE MULTIPLES REGLAGES**
[72] TERNO, GIOVANNI, IT
[71] TERNO SCORREVOLI S.P.A. UNIPERSONALE, IT
[71] BALLOTTA, NICOLA, IT
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[54] **IMIDAZOLES COMME INHIBITEURS DE L'HISTONE DEMETHYLASE**
[72] VIANELLO, PAOLA, IT
[72] ROMUSSI, ALESSIA, IT
[72] CAPPA, ANNA, IT
[72] TRIFIRO', PAOLO, IT
[72] VARASI, MARIO, IT
[72] SARTORI, LUCA, IT
[72] MERCURIO, CIRO, IT
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[25] EN
[54] **CONVEYING DEVICE AND METHOD FOR CONVEYING POULTRY BODIES, AND APPARATUS AND METHOD FOR RECOVERING FILLETS FROM POULTRY BODIES**
[54] **DISPOSITIF DE CONVOYAGE ET PROCEDE DE CONVOYAGE DE CORPS DE VOLAILLE AINSI QUE DISPOSITIF ET PROCEDE SERVANT A OBTENIR DES FILETS DE CORPS DE VOLAILLE**
[72] RIGGERT, LASSE, DE
[72] SCHULZE, ADRIAN, DE
[72] SCHRODER, MATTHIAS, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
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[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND NETWORK NODE**
[54] **PROCEDE DE COMMUNICATION SANS FIL ET NOEUD DE RESEAU**
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **PYRIMIDINE DERIVATIVES**
[54] **DERIVES DE PYRIMIDINE**
[72] BOSS, CHRISTOPH, CH
[72] CORMINBOEUF, OLIVIER, CH
[72] FRETZ, HEINZ, CH
[72] LYOTHIER, ISABELLE, CH
[72] POZZI, DAVIDE, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
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[72] SIFFERLEN, THIERRY, CH
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[51] **Int.Cl. H04W 72/04 (2009.01)**
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[54] **METHOD AND DEVICE FOR TRANSMITTING UPLINK CONTROL INFORMATION**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **IMPROVEMENTS IN OR RELATING TO ENERGETIC MATERIALS**
[54] **AMELIORATIONS APPORTEES A DES MATERIAUX ENERGETIQUES OU S'Y RAPPORTANT**
[72] LEWTAS, KENNETH, GB
[72] JUBB, DANIEL, GB
[72] PRICE, MARK, GB
[71] LEWTAS SCIENCE & TECHNOLOGIES LTD, GB
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[54] **ANIMAL PLASMA OR FRACTIONS THEREOF FOR USE IN TREATING COGNITIVE IMPAIRMENT DISORDERS IN HUMANS AND COMPANION ANIMALS**
[54] **PLASMA ANIMAL OU FRACTIONS DE CELUI-CI DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES LIES A UNE DEFICIENCE COGNITIVE CHEZ L'HOMME ET LES ANIMAUX DE COMPAGNIE**
[72] POLO POZO, FRANCISCO JAVIER, ES
[72] RUSSELL, LOUIS EDWARD, US
[72] RODRIGUEZ CANEL, MARIA CARMEN, ES
[72] CAMPBELL, JOY MARLENE, US
[72] CRENSHAW, JOE DAVID, US
[72] MORETO PEDROSA, MIQUEL, ES
[72] PEREZ BOSQUE, ANNA, ES
[72] MIRO MARTI, LLUISA, ES
[71] APC EUROPE SLU, ES
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[25] FR
[54] **SENSOR FOR MEASURING ATMOSPHERIC PARTICLE CONCENTRATION**
[54] **CAPTEUR POUR LA MESURE DE LA CONCENTRATION DE PARTICULES DANS L'AIR**
[72] DUMAS, ANTOINE, FR
[72] GOUVERNEUR, GUILLAUME, FR
[72] GLAVATSKAYA, YULIA, FR
[72] MARTINELL, AMANDA, FR
[71] ECO LOGIC SENSE SAS, FR
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[54] **SAWING SYSTEM**
[54] **SYSTEME DE SCIAGE**
[72] GUENGANT, MICHEL, FR
[72] MIOSSEC, ARNAUD, FR
[72] RUNGOAT, DAVID, FR
[71] ETABLISSEMENTS EMILY, FR
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[25] EN
[54] **METHOD FOR PRODUCING A WEAR-RESISTANT STEEL PIPE, WEAR-RESISTANT STEEL PIPE, AND USE OF SUCH A STEEL PIPE**
[54] **PROCEDE DE FABRICATION D'UN TUYAU EN ACIER RESISTANT A L'USURE, TUYAU EN ACIER RESISTANT A L'USURE ET UTILISATION DE CE TYPE DE TUYAU EN ACIER**
[72] GUNSTER, CHRISTOPH, DE
[72] OHSE, PETER, DE
[72] WISCHMANN, STEFAN, DE
[72] PLHA, JENS (DECEASED), DE
[72] TSCHERSICH, HANS-JOACHIM, DE
[71] THYSSENKRUPP STEEL EUROPE AG, DE
[71] THYSSENKRUPP AG, DE
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[25] EN
[54] **3D PRINTING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IMPRESSION EN 3D**
[72] CHENG, SENPING, CN
[72] LI, XIAOLING, US
[72] DENG, FEIHUANG, CN
[72] LU, HAOHUI, CN
[72] LIU, HAILI, CN
[72] YAO, JUAN, CN
[72] WANG, XIAOFEI, CN
[72] WU, WEI, CN
[71] TRIASTEK, INC., CN
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[51] **Int.Cl. A61M 1/28 (2006.01)**
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[54] **APPARATUS FOR PERFORMING PERITONEAL DIALYSIS**
[54] **APPAREIL PERMETTANT D'EFFECTUER UNE DIALYSE PERITONEALE**
[72] CHAMNEY, PAUL, GB
[72] WABEL, PETER, DE
[72] WOLF, KLAUS, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[86] 2018-05-16 (PCT/EP2018/062659)
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[51] **Int.Cl. H04W 52/18 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WIRELESS POWER CONTROL**
[54] **SYSTEME ET PROCEDE DE REGULATION DE PUISSANCE SANS FIL**
[72] LIU, JIALING, US
[72] XIAO, WEIMIN, US
[72] CHENG, QIAN, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[87] (WO2018/210241)
[30] US (62/506,435) 2017-05-15
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[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **METABOLICALLY STABLE PEPTIDE ANALOGS**
[54] **ANALOGUES PEPTIDIQUES METABOLIQUEMENT STABLES**
[72] BONNET, DOMINIQUE, FR
[72] LLORENS CORTES, CATHERINE, FR
[72] ITURRIOZ, XAVIER, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] INSERM - INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] COLLEGE DE FRANCE, FR
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[54] **PERITONEAL DIALYSIS SYSTEM**
[54] **SYSTEME DE DIALYSE PERITONEALE**
[72] WOLF, KLAUS, DE
[72] HASSLER, MANUEL, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[25] EN
[54] **TRANSPORT DEVICE FOR ROTATABLY AND/OR LINEARLY MOVING A WORKPIECE**
[54] **DISPOSITIF DE TRANSPORT PERMETTANT UN DEPLACEMENT ROTATIF ET/OU LINEAIRE D'UNE PIECE**
[72] GOTZINGER, MARTIN, DE
[72] SIMON, UWE, DE
[71] WEISS GMBH, DE
[85] 2019-11-15
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[51] **Int.Cl. A61F 2/30 (2006.01) A61F 2/40 (2006.01)**
[25] EN
[54] **AUGMENT INSERT, SHOULDER PROSTHESIS AND KIT COMPRISING THE AUGMENT INSERT**
[54] **INSERT D'AUGMENTATION, PROTHESE D'EPAULE ET KIT COMPRENANT L'INSERT D'AUGMENTATION**
[72] CARDON, JEAN-EMMANUEL, FR
[72] DASSONVILLE, BENJAMIN, FR
[71] TORNIER, FR
[85] 2019-11-15
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[25] EN
[54] **A CLASS OF ISOINDOLONE-IMIDE RING-1,3-DIONE-2-ENE COMPOUNDS, COMPOSITION AND USE THEREOF**
[54] **COMPOSE D'HYDRO-ISO-INDOLINONE-IMIDE-1,3-DICETONE-2-ALCENE, COMPOSE ASSEMBLE ET SON APPLICATION**
[72] YAO, ZHIYI, CN
[72] LUO, CHENG, CN
[72] XIE, YULI, CN
[72] YUE, LIYAN, CN
[72] WAN, WEI, CN
[72] ZHANG, YUANYUAN, CN
[72] JIANG, HUALIANG, CN
[72] CHEN, KAIXIAN, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
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[25] EN
[54] **NOVEL PHARMACEUTICAL COMPOSITION COMPRISING PARTICLES COMPRISING A COMPLEX OF A DOUBLE-STRANDED POLYRIBONUCLEOTIDE AND A POLYALKYLENEIMINE**
[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE COMPRENANT DES PARTICULES COMPRENANT UN COMPLEXE CONSTITUE D'UN POLYRIBONUCLEOTIDE DOUBLE BRIN ET D'UNE POLYALKYLENE IMINE**
[72] QUINTERO ORTIZ, MARISOL, ES
[72] POZUELO RUBIO, MERCEDES, ES
[72] PLANELLES CARAZO, LOURDES, ES
[71] BIONCOTECH THERAPEUTICS SL, ES
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[25] EN
[54] **METHOD AND DEVICE FOR COMPACTING A TRACK BALLAST BED**
[54] **PROCEDE ET DISPOSITIF POUR COMPACTER UN BALLAST**
[72] PHILIPP, THOMAS, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GMBH, AT
[85] 2019-11-15
[86] 2018-06-06 (PCT/EP2018/064849)
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[30] AT (A 279/2017) 2017-07-04

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[54] **COMPOSITIONS AND METHODS FOR CELL TARGETING THERAPIES**
[54] **COMPOSITIONS ET PROCEDES POUR THERAPIES DE CIBLAGE DE CELLULES**
[72] KUBALL, JURGEN HERBERT ERNST, NL
[72] SEBESTYEN, ZSOLT, NL
[72] BERINGER, DENNIS, NL
[72] VYBOROVA, ANNA, NL
[71] UMC UTRECHT HOLDING B.V., NL
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[87] (WO2018/211115)
[30] US (62/508,272) 2017-05-18
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[51] **Int.Cl. F42B 3/00 (2006.01) B23D 15/14 (2006.01) B64D 17/38 (2006.01) F42B 10/56 (2006.01) F42C 7/12 (2006.01)**
[25] EN
[54] **CUTTING DEVICE**
[54] **DISPOSITIF DE COUPE**
[72] MODEREGGER, TOBIAS, DE
[72] GAISBAUER, RAINER, DE
[72] HUBER, BENJAMIN, AT
[72] LEOPOLD, THOMAS, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2019-11-15
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[30] DE (10 2017 113 857.9) 2017-06-22

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[25] EN
[54] **COMPOUNDS**
[54] **COMPOSES**
[72] RICHARDS, GARETH, GB
[72] SKERRY, TIMOTHY M., GB
[72] HARRITY, JOSEPH P.A., GB
[72] ZIRIMWABAGABO, JEAN-OLIVIER, GB
[72] TOZER, MATTHEW J., GB
[72] GIBSON, KARL RICHARD, GB
[72] PORTER, RODERICK ALAN, GB
[72] BLANEY, PAUL MATTHEW, GB
[72] GLOSSOP, PAUL ALAN, GB
[71] THE UNIVERSITY OF SHEFFIELD, GB
[85] 2019-11-15
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[54] **A PINCH VALVE**
[54] **ROBINET A MANCHON DEFORMABLE**
[72] IRISH, DECLAN, IE
[72] MOLLOY, SHANE, IE
[71] CARTEN CONTROLS LIMITED, IE
[85] 2019-11-15
[86] 2017-05-15 (PCT/EP2017/061643)
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[51] **Int.Cl. F03H 1/00 (2006.01) B64G 1/40 (2006.01) G05D 7/06 (2006.01)**
[25] FR
[54] **DEVICE FOR REGULATING THE RATE OF FLOW OF PROPELLANT FLUID FOR AN ELECTRIC THRUSTER**
[54] **DISPOSITIF DE REGULATION DE DEBIT DE FLUIDE PROPULSIF POUR PROPULSEUR ELECTRIQUE**
[72] DIOME, MATHIEU, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[71] CENTRE NATIONAL D'ETUDES SPATIALES, FR
[85] 2019-11-15
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[25] FR
[54] **METHOD FOR CREATING AN AIRCRAFT TURBOMACHINE VANE USING ADDITIVE MANUFACTURING**
[54] **PROCEDE DE REALISATION PAR FABRICATION ADDITIVE D'UNE AUBE DE TURBOMACHINE D'AERONEF**
[72] VOIRON, MICKAEL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2019-11-15
[86] 2018-05-16 (PCT/EP2018/062794)
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[25] EN
[54] **WOUND CLOSURE DEVICE AND METHOD OF USE**
[54] **DISPOSITIF DE FERMETURE DE PLAIE ET PROCEDE D'UTILISATION**
[72] HARTWELL, EDWARD YERBURY, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2019-11-15
[86] 2018-06-11 (PCT/EP2018/065397)
[87] (WO2018/229009)
[30] US (62/518,752) 2017-06-13

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[51] **Int.Cl. G01R 19/00 (2006.01) G01R 19/165 (2006.01)**
[25] EN
[54] **METER FOR MEASURING AN ELECTRICAL PARAMETER**
[54] **DISPOSITIF DE MESURE D'UN PARAMETRE ELECTRIQUE**
[72] ZUREK, STANISLAW, GB
[72] JONES, JEFFREY, GB
[71] MEGGER INSTRUMENTS LTD, GB
[85] 2019-11-15
[86] 2018-05-14 (PCT/GB2018/051296)
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[30] GB (1707845.2) 2017-05-16

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[25] EN
[54] **PROTEASE AND BINDING POLYPEPTIDE FOR O-GLYCOPROTEINS**
[54] **PROTEASE ET POLYPEPTIDE DE LIAISON POUR O-GLYCOPROTEINES**
[72] LEO, FREDRIK, SE
[72] LOOD, ROLF, SE
[72] BJORK, STEPHAN, SE
[72] MEJARE, MALIN, SE
[72] OLSSON, FREDRIK, SE
[71] GENOVIS AB, SE
[85] 2019-11-15
[86] 2018-05-25 (PCT/EP2018/063832)
[87] (WO2018/215656)
[30] GB (1708471.6) 2017-05-26
[30] GB (1708476.5) 2017-05-26
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[25] EN
[54] **TAMPER-PROOF MEDIUM FOR THERMAL PRINTING**
[54] **SUPPORT INVIOLABLE POUR IMPRESSION THERMIQUE**
[72] BOLLSTROM, ROGER, CH
[72] BOTTY, GILBERT, NL
[72] HUNZIKER, PHILIPP, US
[71] OMYA INTERNATIONAL AG, CH
[85] 2019-11-15
[86] 2018-06-12 (PCT/EP2018/065531)
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[30] EP (17177495.3) 2017-06-22
[30] US (62/526,424) 2017-06-29

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[25] EN
[54] **MACHINE AND METHOD TO SEPARATE WOOD-BASED MATERIALS FROM OTHER MATERIALS**
[54] **MACHINE ET PROCEDE POUR SEPARER DES MATERIAUX A BASE DE BOIS D'AUTRES MATERIAUX**
[72] LIBRALATO, MICHELE, IT
[71] PAL S.R.L., IT
[85] 2019-11-15
[86] 2018-05-18 (PCT/IT2018/050087)
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[30] IT (102017000054728) 2017-05-19

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[25] EN
[54] **METHOD TO PRODUCE A COATING LAYER, A BUILDING PANEL AND A COATED FOIL**
[54] **PROCEDE DE PRODUCTION D'UNE COUCHE DE REVETEMENT, D'UN PANNEAU DE CONSTRUCTION ET D'UNE FEUILLE REVETUE**
[72] ZIEGLER, GORAN, SE
[72] LUNDBLAD, CHRISTER, SE
[72] JOSEFSSON, PER, SE
[72] HEDLUND, ANETTE, SE
[71] VALINGE INNOVATION AB, SE
[85] 2019-11-15
[86] 2018-05-23 (PCT/SE2018/050522)
[87] (WO2018/217158)
[30] SE (1750641-1) 2017-05-23

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[51] **Int.Cl. G06F 3/043 (2006.01) G01H 9/00 (2006.01)**
[25] EN
[54] **TOUCH-BASED INPUT DEVICE**
[54] **DISPOSITIF DE SAISIE A BASE TACTILE**
[72] DAHL, TOBIAS GULDEN, NO
[72] BJERKENG, MAGNUS CHRISTIAN, NO
[72] VOGL, ANDREAS, NO
[72] PETTERSEN, ODD KRISTEN OSTERN, NO
[71] SINTEF TTO AS, NO
[85] 2019-11-15
[86] 2018-05-17 (PCT/GB2018/051342)
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[30] GB (1708100.1) 2017-05-19

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[25] EN
[54] **ACTION PREDICTION METHOD AND ACTION PREDICTION DEVICE OF TRAVELING ASSISTANCE DEVICE**
[54] **PROCEDE DE PREDICTION DE MOUVEMENT POUR DISPOSITIF D'AIDE AU DEPLACEMENT ET DISPOSITIF DE PREDICTION DE MOUVEMENT**
[72] NANRI, TAKUYA, JP
[72] FANG, FANG, JP
[72] TAKEI, SHOICHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-11-15
[86] 2017-05-16 (PCT/JP2017/018297)
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[51] **Int.Cl. C10G 3/00 (2006.01) B01J 23/00 (2006.01) C07G 1/00 (2011.01) C10G 1/06 (2006.01) C10G 45/04 (2006.01) C10G 45/06 (2006.01) C10G 45/08 (2006.01) C10G 45/10 (2006.01) D21C 11/04 (2006.01) D21C 11/06 (2006.01)**
[25] EN
[54] **CATALYTIC CONVERSION OF LIGNIN**
[54] **CONVERSION CATALYTIQUE DE LIGNINE**
[72] HULTEBERG, CHRISTIAN, SE
[72] STIGSSON, LARS, SE
[71] SUNCARBON AB, SE
[85] 2019-11-15
[86] 2018-06-05 (PCT/SE2018/050584)
[87] (WO2018/226147)
[30] US (62/515,088) 2017-06-05

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[51] **Int.Cl. H01R 9/24 (2006.01) H01R 9/26 (2006.01) H01R 9/28 (2006.01)**
[25] EN
[54] **FOUR-POST TERMINAL BLOCK AND ACCESSORIES FOR NONCONDUCTIVE PLANE APPLICATION**
[54] **BORNIER A QUATRE BORNES ET ACCESSOIRES POUR APPLICATION DE PLAN NON CONDUCTEUR**
[72] LONG, ZHENZHONG, US
[72] WING, BARDEN J., US
[71] SIEMENS MOBILITY, INC., US
[85] 2019-11-15
[86] 2017-05-19 (PCT/US2017/033467)
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[51] **Int.Cl. C08J 3/24 (2006.01) C08J 3/28 (2006.01) C08L 25/08 (2006.01) C08L 53/02 (2006.01) A61B 42/10 (2016.01) A41D 19/00 (2006.01) A61F 6/04 (2006.01) B32B 27/30 (2006.01)**
[25] EN
[54] **CROSSLINKED STYRENIC BLOCK COPOLYMER**
[54] **COPOLYMERE SEQUENCE STYRENIQUE RETICULE**
[72] TREILHES, SEBASTIEN, MY
[72] HOERNER, PIERRE, FR
[72] LOW, CHIN GUAN, MY
[71] TOP GLOVE GLOBAL SDN BHD, MY
[85] 2019-11-15
[86] 2018-05-28 (PCT/IB2018/000572)
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[51] **Int.Cl. A47C 3/026 (2006.01)**
[25] EN
[54] **CHAIR**
[54] **CHAISE**
[72] YAJIMA, TOSHIKI, JP
[72] SUGANO, TAKAO, JP
[72] SHIBAMOTO, YASUHIRO, JP
[72] XU, FEI, JP
[72] SHIOZAWA, KENTA, JP
[72] ICHIKAWA, TOMOAKI, JP
[72] NAKAMURA, KENSUKE, JP
[71] KOKUYO CO., LTD., JP
[71] TAKANO CO., LTD., JP
[85] 2019-11-15
[86] 2017-06-20 (PCT/JP2017/022761)
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[25] EN
[54] **CO-CAST THIN FILM COMPOSITE FLAT SHEET MEMBRANES**
[54] **MEMBRANES EN FEUILLE PLATE COMPOSITE A COUCHES MINCES CO-COULEES**
[72] LIU, CHUNQING, US
[72] LISKEY, CARL W., US
[72] KARNS, NICOLE K., US
[71] UOP LLC, US
[85] 2019-11-15
[86] 2018-05-11 (PCT/US2018/032251)
[87] (WO2018/213121)
[30] US (15/599,258) 2017-05-18

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[25] EN
[54] **DETECTION OF EPIGENETIC MODIFICATIONS**
[54] **DETECTION DE MODIFICATIONS EPIGENETIQUES**
[72] STEWARD, MICHAEL, GB
[72] OST, TOBIAS, GB
[72] YU, SHIRONG, GB
[72] BIGNELL, HELEN, GB
[71] CAMBRIDGE EPIGENETIX LIMITED, GB
[85] 2019-11-15
[86] 2018-05-15 (PCT/IB2018/000680)
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[30] US (62/507,035) 2017-05-16
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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 47/68 (2017.01) A61K 9/00 (2006.01) A61K 31/4745 (2006.01) A61K 39/395 (2006.01) A61P 13/12 (2006.01) A61P 15/08 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CDH6 ANTIBODY AND ANTI-CDH6 ANTIBODY-DRUG CONJUGATE**
[54] **ANTICORPS ANTI-CDH6 ET CONJUGUE ANTICORPS ANTI-CDH6-MEDICAMENT**
[72] SAITO, ATSUKO, JP
[72] HIRATA, TSUYOSHI, JP
[72] NAKAMURA, KENSUKE, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2019-11-15
[86] 2018-05-14 (PCT/JP2018/018572)
[87] (WO2018/212136)
[30] JP (2017-096749) 2017-05-15

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[51] **Int.Cl. C12N 9/24 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **ENZYMES FOR GLYCAN ANALYSIS**
[54] **ENZYMES POUR ANALYSE DE GLYCANE**
[72] LEO, FREDRIK, SE
[72] LOOD, ROLF, SE
[72] BJORK, STEPHAN, SE
[72] MEJARE, MALIN, SE
[72] OLSSON, FREDRIK, SE
[71] GENOVIS AB, SE
[85] 2019-11-15
[86] 2018-05-25 (PCT/EP2018/063833)
[87] (WO2018/215657)
[30] GB (1708471.6) 2017-05-26
[30] GB (1708476.5) 2017-05-26
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[51] **Int.Cl. A61K 9/02 (2006.01) A61K 9/14 (2006.01) A61K 9/19 (2006.01) A61K 9/46 (2006.01) A61K 47/36 (2006.01) A61K 47/46 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING SYSTEMS OF RELEASE OF CARBON DIOXIDE OBTAINED FROM PLANT JUICES**
[54] **COMPOSITIONS CONTENANT DES SYSTEMES DE LIBERATION DE DIOXYDE DE CARBONE OBTENUES A PARTIR DE JUS DE PLANTES**
[72] MERCATI, VALENTINO, IT
[72] RAMPOLDI, LUCA, IT
[72] PELUCCHINI, CAROLINE, IT
[71] ABOCA S.P.A. SOCIETA AGRICOLA, IT
[85] 2019-11-15
[86] 2018-05-10 (PCT/IB2018/053255)
[87] (WO2018/211372)
[30] IT (102017000054380) 2017-05-19

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[51] **Int.Cl. A01N 43/90 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING DISCHARGE-TYPE MULTIDRUG RESISTANT PLANT DISEASES**
[54] **PROCEDE DE LUTTE CONTRE LES MALADIES DES PLANTES RESISTANTES A DE MULTIPLES PRODUITS DE TYPE A DECHARGE**
[72] KIGUCHI, SO, JP
[72] WATANABE, SATOSHI, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2019-11-15
[86] 2018-05-18 (PCT/JP2018/019308)
[87] (WO2018/212329)
[30] JP (2017-099583) 2017-05-19

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 44/00 (2006.01) G05B 19/02 (2006.01)**
[25] EN
[54] **INTEGRATING CONTEXTUAL INFORMATION INTO WORKFLOW FOR WELLBORE OPERATIONS**
[54] **INTEGRATION D'INFORMATIONS CONTEXTUELLES DANS UN FLUX DE TRAVAIL POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] DASHEVSKIY, DMITRIY, US
[72] WASSERMANN, INGOLF, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-11-15
[86] 2018-05-11 (PCT/US2018/032295)
[87] (WO2018/213126)
[30] US (15/597,700) 2017-05-17

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[13] A1
[51] **Int.Cl. A61L 15/42 (2006.01) A61B 5/00 (2006.01) A61F 13/00 (2006.01) A61L 15/44 (2006.01)**
[25] EN
[54] **WOUND COVERING FOR WOUND MONITORING AND THERAPEUTIC AGENT DELIVERY**
[54] **PANSEMENT POUR SURVEILLANCE DE PLAIE ET ADMINISTRATION D'AGENT THERAPEUTIQUE**
[72] AKBARI, MOHSEN, CA
[72] MIRANI, BAHRAM, CA
[72] GHAHARY, AZIZ, CA
[72] SIDDIQUI, MOHAMMAD A., CA
[71] UVIC INDUSTRY PARTNERSHIPS INC., CA
[85] 2019-11-15
[86] 2018-05-17 (PCT/IB2018/053491)
[87] (WO2018/211458)
[30] US (62/507,699) 2017-05-17

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[51] **Int.Cl. F25D 17/02 (2006.01) F25C 1/145 (2018.01) F25C 1/00 (2006.01)**
[25] EN
[54] **STATE CHANGE CONTROL DEVICE AND STATE CHANGE CONTROL METHOD**
[54] **DISPOSITIF DE COMMANDE DE CHANGEMENT DE PHASE ET PROCEDE DE COMMANDE DE CHANGEMENT DE PHASE**
[72] HIROKANE, YOSHIO, JP
[71] BLANCTEC CO., LTD., JP
[85] 2019-11-15
[86] 2018-05-18 (PCT/JP2018/019330)
[87] (WO2018/212335)
[30] JP (2017-099144) 2017-05-18
[30] JP (2017-099145) 2017-05-18

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[51] **Int.Cl. A61K 31/58 (2006.01) A61K 31/565 (2006.01) A61P 5/32 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ESTROGEN RECEPTOR MODULATOR COMBINATIONS**
[54] **ASSOCIATIONS DE MODULATEURS DU RECEPTEUR DES OESTROGENES**
[72] PIETRAS, RICHARD J., US
[72] JUNG, MICHAEL E., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-11-15
[86] 2017-05-25 (PCT/US2017/034452)
[87] (WO2017/205611)
[30] US (62/342,126) 2016-05-26

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[51] **Int.Cl. C23C 2/02 (2006.01) B23K 11/11 (2006.01) C21D 1/20 (2006.01) C21D 1/22 (2006.01) C21D 1/76 (2006.01) C21D 6/00 (2006.01) C21D 9/46 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/18 (2006.01) C22C 38/20 (2006.01) C22C 38/24 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/34 (2006.01) C22C 38/38 (2006.01) C22C 38/56 (2006.01) C22C 38/58 (2006.01) C23C 2/06 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **ZINC-COATED STEEL SHEET WITH HIGH RESISTANCE SPOT WELDABILITY**
[54] **TOLE D'ACIER REVETUE DE ZINC PRESENTANT UNE SOUDABILITE PAR POINTS DE HAUTE RESISTANCE**
[72] PIPARD, JEAN-MARC, FR
[72] CREMEL, SEBASTIEN, FR
[72] CHAKRABORTY, ANIRBAN, US
[72] PANAHI, DAMON, US
[72] GIRINA, OLGA, US
[72] GHASSEMI-ARMAKI, HASSAN, US
[72] CHALLA VENKATASURYA, PAVAN, US
[72] BENLATRECHE, YACINE, FR
[71] ARCELORMITTAL, LU
[85] 2019-11-15
[86] 2018-06-13 (PCT/IB2018/054306)
[87] (WO2018/234938)
[30] IB (PCT/IB2017/000753) 2017-06-20

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[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01)**
[25] EN
[54] **PLUG, RETAINING MEMBER, AND METHOD FOR WELL COMPLETION USING PLUG**
[54] **BOUCHON, ELEMENT DE RETENUE ET PROCEDE DE FORAGE METTANT EN OEUVRE LEDIT BOUCHON**
[72] KOBAYASHI, SEISHIRO, JP
[72] YOSHII, TERUAKI, JP
[71] KUREHA CORPORATION, JP
[85] 2019-11-15
[86] 2018-07-09 (PCT/JP2018/025902)
[87] (WO2019/031134)
[30] JP (2017-156158) 2017-08-10

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[25] EN
[54] **SYSTEMS AND METHODS FOR GUIDING A MULTI-POLE SENSOR CATHETER TO LOCATE CARDIAC ARRHYTHMIA SOURCES**
[54] **SYSTEMES ET PROCEDES DE GUIDAGE D'UN CATHETER A CAPTEUR MULTIPOLAIRE AFIN DE LOCALISER DES SOURCES D'ARYTHMIE CARDIAQUE**
[72] GHORAANI, BEHNAZ, US
[72] GANESAN, PRASANTH, US
[71] FLORIDA ATLANTIC UNIVERSITY BOARD OF TRUSTEES, US
[85] 2019-11-15
[86] 2018-07-23 (PCT/IB2018/055463)
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[30] US (15/727,393) 2017-10-06

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[51] **Int.Cl. E21B 33/128 (2006.01) F16J 15/06 (2006.01) F16J 15/10 (2006.01)**
[25] EN
[54] **PLUG, RETAINING MEMBER, AND METHOD FOR WELL COMPLETION USING PLUG**
[54] **BOUCHON, ELEMENT DE RETENUE ET PROCEDE DE FORAGE METTANT EN OEUVRE LEDIT BOUCHON**
[72] KOBAYASHI, SEISHIRO, JP
[72] YOSHII, TERUAKI, JP
[71] KUREHA CORPORATION, JP
[85] 2019-11-15
[86] 2018-07-23 (PCT/JP2018/027526)
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[51] **Int.Cl. F41C 27/00 (2006.01) F41A 35/00 (2006.01) H01R 13/10 (2006.01)**
[25] EN
[54] **POWER SYSTEM FOR A FIREARM**
[54] **SYSTEME D'ALIMENTATION POUR ARME A FEU**
[72] MILLER, TYLER, US
[72] FELDMAN, BEN, US
[72] ELLENA, JOSEPH, US
[72] FISHER, MARTIN, US
[72] TAYLOR, WAYNE, US
[72] CABAHUG, ERIC, US
[72] CALLSEN, GARY, US
[71] T-WORX HOLDINGS, LLC, US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032793)
[87] (WO2018/213328)
[30] US (62/506,537) 2017-05-15

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[13] A1
[51] **Int.Cl. G01V 1/16 (2006.01) G01V 1/00 (2006.01) G01V 1/20 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **NON-UNIFORM OPTIMAL SURVEY DESIGN PRINCIPLES**
[54] **PRINCIPES DE CONCEPTION DE SURVEILLANCE OPTIMALE NON UNIFORME**
[72] LI, CHENGBO, US
[72] MOSHER, CHARLES C., US
[72] JANISZEWSKI, FRANK D., US
[72] WILLIAMS, LAURENCE S., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2019-11-15
[86] 2017-07-06 (PCT/US2017/040796)
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[30] US (62/506,859) 2017-05-16
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[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDE AND PHARMACEUTICAL COMPOSITION FOR TREATING AN EYE DISEASE COMPRISING THE SAME AS AN ACTIVE PHARMACEUTICAL INGREDIENT**
[54] **NOUVEAU PEPTIDE ET COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE MALADIES OCULAIRES COMPRENANT LEDIT NOUVEAU PEPTIDE EN TANT QUE PRINCIPE ACTIF**
[72] BAIK, TAEGON, KR
[72] KIM, TAEK-SOO, KR
[72] LIM, DAE-SEONG, KR
[72] GOO, DEUK-YOUNG, KR
[71] YUYU PHARMA, INC., KR
[85] 2019-11-15
[86] 2018-05-17 (PCT/KR2018/005673)
[87] (WO2018/225961)
[30] KR (10-2017-0061250) 2017-05-17

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[51] **Int.Cl. C08B 31/04 (2006.01) C08L 3/06 (2006.01)**
[25] EN
[54] **ARTICLE OF MANUFACTURE CONTAINING A STARCH-CONVERTED MATERIAL**
[54] **ARTICLE MANUFACTURE CONTENANT UN MATERIAU A BASE D'AMIDON CONVERTI**
[72] SIVASLIGIL, DOGAN SAHIN, BE
[72] BILTRESSE, STEPHANE, BE
[71] CARGILL, INCORPORATED, US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032889)
[87] (WO2018/213393)
[30] EP (17171311.8) 2017-05-16

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[51] **Int.Cl. B29C 49/00 (2006.01) B29C 55/28 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO ADJUST THE THICKNESS PROFILE IN THE PRODUCTION OF BLOWN FILMS**
[54] **APPAREIL ET PROCEDE DESTINES A REGLER LE PROFIL D'EPAISSEUR DANS LA PRODUCTION DE FILMS SOUFFLES**
[72] NAPPA, ENRICO, IT
[72] CACCIA, GABRIELE, IT
[72] RIZZOTTI, PAOLO, IT
[71] SYNCRO S.R.L., IT
[85] 2019-11-15
[86] 2018-05-23 (PCT/IB2018/053649)
[87] (WO2018/215945)
[30] IT (102017000055831) 2017-05-23

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[51] **Int.Cl. A61F 2/08 (2006.01) A61K 38/39 (2006.01) A61L 15/32 (2006.01) A61L 27/24 (2006.01) A61L 27/26 (2006.01)**
[25] EN
[54] **BIOPOLYMER COMPOSITIONS, SCAFFOLDS AND DEVICES**
[54] **COMPOSITIONS DE BIOPOLYMERES, ECHAFAUDAGES ET DISPOSITIFS**
[72] FRANCIS, MICHAEL, US
[72] KEMPER, NATHAN, US
[72] WRIGGERS, HILARY, US
[71] EMBODY INC., US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/000119)
[87] (WO2018/212792)
[30] US (62/603,026) 2017-05-16

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[51] **Int.Cl. E21B 34/06 (2006.01) F16K 3/314 (2006.01) F16K 11/072 (2006.01)**
[25] EN
[54] **A ROTARY VALVE WITH VALVE SEAT ENGAGEMENT COMPENSATION**
[54] **VANNE ROTATIVE A COMPENSATION DE MISE EN PRISE DE SIEGE DE VANNE**
[72] CHAMBERS, LARRY, US
[72] DEOLALIKAR, NEELESH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-15
[86] 2017-07-17 (PCT/US2017/042357)
[87] (WO2019/017872)

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[51] **Int.Cl. C07K 16/32 (2006.01) A61K 31/496 (2006.01) A61K 31/519 (2006.01) A61K 31/565 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **COMBINATION OF AN ERBB-2/ERBB-3 BISPECIFIC ANTIBODY WITH ENDOCRINE THERAPY FOR BREAST CANCER**
[54] **COMBINAISON D'ANTICORPS BISPECIFIQUE ERBB-2/ERBB-3 AVEC UNE THERAPIE ENDOCRINE POUR LE CANCER DU SEIN**
[72] MAUSSANG-DETAILLE, DAVID ANDRE BAPTISTE, NL
[72] GEUIJEN, CECILIA ANNA WILHELMINA, NL
[71] MERUS N.V., NL
[85] 2019-11-15
[86] 2018-05-17 (PCT/NL2018/050329)
[87] (WO2018/212656)
[30] US (62/507,675) 2017-05-17

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[13] A1
[25] EN
[54] **TREATMENT OF GLAUCOMA**
[54] **TRAITEMENT DU GLAUCOME**
[72] BRUCE, LARS, SE
[72] BRUCE, ADAM, SE
[71] TX MEDIC AB, SE
[85] 2019-11-15
[86] 2018-05-16 (PCT/SE2018/050506)
[87] (WO2018/212708)
[30] SE (1750615-5) 2017-05-17
[30] US (62/555,848) 2017-09-08

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[25] EN
[54] **FLOOR COVERING WITH UNIVERSAL BACKING AND METHODS OF MAKING AND RECYCLING**
[54] **REVETEMENT DE SOL A SUPPORT UNIVERSEL ET PROCEDE DE FABRICATION ET DE RECYCLAGE**
[72] HIGGINS, KENNETH B., US
[71] HIGGINS RESEARCH & DEVELOPMENT, LLC, US
[85] 2019-11-15
[86] 2018-02-23 (PCT/US2018/019310)
[87] (WO2018/222233)
[30] US (15/607,789) 2017-05-30
[30] US (15/879,520) 2018-01-25

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[51] **Int.Cl. C04B 35/645 (2006.01) C04B 35/14 (2006.01) C04B 35/46 (2006.01) C04B 35/547 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR DENSIFYING MATERIALS OR CONSOLIDATING AN ASSEMBLY OF MATERIALS BY HYDROTHERMAL OR SOLVOTHERMAL SINTERING**
[54] **PROCEDE ET DISPOSITIF DE DENSIFICATION DE MATERIAUX OU DE CONSOLIDATION D'UN ASSEMBLAGE DE MATERIAUX PAR FRITTAGE HYDROTHERMAL OU SOLVOTHERMAL**
[72] GOGLIO, GRAZIELLA, FR
[72] LARGETEAU, ALAIN, FR
[72] NDAYISHIMIYE, ARNAUD, FR
[72] PRAKASAM, MYTHILI, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[85] 2019-11-15
[86] 2018-05-23 (PCT/EP2018/063555)
[87] (WO2018/215559)
[30] FR (17 54585) 2017-05-23

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[51] **Int.Cl. H01M 8/04537 (2016.01) H01R 13/02 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR FOR FUEL CELL STACK VOLTAGE MONITORING**
[54] **CONNECTEUR ELECTRIQUE POUR LA SURVEILLANCE DE LA TENSION D'UN EMPILEMENT DE PILES A COMBUSTIBLE**
[72] MUNTHE, STEFAN, SE
[72] HOLMBERG, MATTIAS, SE
[71] POWERCELL SWEDEN AB, SE
[85] 2019-11-15
[86] 2018-06-08 (PCT/SE2018/050598)
[87] (WO2018/236266)
[30] SE (1750786-4) 2017-06-20

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[51] **Int.Cl. A46B 9/02 (2006.01) A47L 9/04 (2006.01) A47L 11/24 (2006.01) A47L 11/282 (2006.01)**
[25] EN
[54] **SIDE BRUSH WITH BRISTLES AT DIFFERENT LENGTHS AND/OR ANGLES FOR USE IN A ROBOT CLEANER AND SIDE BRUSH DEFLECTORS**
[54] **BROSSE LATERALE COMPRENANT DES POILS AYANT DIFFERENTES LONGUEURS ET/OU DIFFERENTS ANGLES ET DESTINEE A ETRE UTILISEE DANS UN ROBOT NETTOYEUR, ET DEFLECTEURS DE BROSSE LATERALE**
[72] HOPKE, FREDERICK KARL, US
[72] KELSEY, ALDEN, US
[72] XU, DAVID, CN
[72] BARKER, DAVID THOMAS, GB
[72] DER MARDEROSIAN, DANIEL R, US
[72] WANG, SANDY, CN
[71] SHARKNINJA OPERATING LLC, US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032658)
[87] (WO2018/213238)
[30] US (62/506,203) 2017-05-15

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[51] **Int.Cl. G01N 9/32 (2006.01) G01N 9/02 (2006.01) G01N 9/34 (2006.01)**
[25] EN
[54] **METHODS FOR DESIGNING A FLOW CONDUIT AND APPARATUS THAT MEASURES DEFLECTION AT MULTIPLE POINTS TO DETERMINE FLOW RATE**
[54] **PROCEDE DE CONCEPTION D'UN CONDUIT D'ECOULEMENT ET APPAREIL QUI MESURE LA DEVIATION EN PLUSIEURS POINTS POUR DETERMINER LE DEBIT**
[72] MOTH, DAVID JOHN, US
[71] RED METERS LLC, US
[85] 2019-11-15
[86] 2018-05-17 (PCT/US2018/033129)
[87] (WO2018/213540)
[30] US (62/507,634) 2017-05-17
[30] US (15/873,646) 2018-01-17

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[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/00 (2006.01)**
[25] EN
[54] **FLUID REMOVAL MANAGEMENT AND CONTROL OF WOUND CLOSURE IN WOUND THERAPY**
[54] **GESTION DE L'ELIMINATION DE LIQUIDE ET MAITRISE DE LA FERMETURE D'UNE PLAIE DANS UN TRAITEMENT DE PLAIE**
[72] HUNT, ALLAN KENNETH FRAZER GRUGEON, GB
[72] JAECKLEIN, WILLIAM JOSEPH, GB
[72] QUINTANAR, FELIX CLARENCE, GB
[71] SMITH & NEPHEW, INC., US
[85] 2019-11-15
[86] 2018-06-12 (PCT/US2018/037169)
[87] (WO2018/231878)
[30] US (62/519,781) 2017-06-14
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[51] **Int.Cl. C08G 73/06 (2006.01) B01D 47/02 (2006.01) B01D 53/14 (2006.01) C07D 295/13 (2006.01) C10L 3/10 (2006.01)**
[25] FR
[54] **NOVEL POLYAMINES, SYNTHESIS METHOD THEREOF AND USE THEREOF FOR THE SELECTIVE ELIMINATION OF H2S FROM A GASEOUS EFFLUENT COMPRISING CO2**
[54] **NOUVELLES POLYAMINES, LEUR PROCEDE DE SYNTHESE ET LEUR UTILISATION POUR L'ELIMINATION SELECTIVE DE L'H2S D'UN EFFLUENT GAZEUX COMPRENANT DU CO2**
[72] DELFORT, BRUNO, FR
[72] HUARD, THIERRY, FR
[72] GRANDJEAN, JULIEN, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2019-11-15
[86] 2018-05-28 (PCT/EP2018/063969)
[87] (WO2018/224350)
[30] FR (1755176) 2017-06-09

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[51] **Int.Cl. H04L 12/24 (2006.01) G06F 13/38 (2006.01) H05B 37/02 (2006.01) F21S 2/00 (2016.01) H04L 12/40 (2006.01)**
[25] EN
[54] **ADDRESS ASSIGNMENT SYSTEM AND METHOD FOR SURGICAL LIGHTHEAD COMPONENTS**
[54] **SYSTEME ET PROCEDE D'ATTRIBUTION D'ADRESSES A DES COMPOSANTS DE TETE D'ECLAIRAGE CHIRURGICALE**
[72] COOK, IAN HUGH, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2019-11-15
[86] 2018-03-22 (PCT/US2018/023721)
[87] (WO2018/222251)
[30] US (15/610,732) 2017-06-01

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[13] A1
[51] **Int.Cl. B60C 11/03 (2006.01)**
[25] FR
[54] **AGRICULTURAL VEHICLE TYRE**
[54] **PNEU POUR VEHICULE AGRICOLE**
[72] FRANCOIS, ERIC, FR
[72] ROPARS, OLIVIER, FR
[72] TRAN, FLORENCE, FR
[72] CURAT, ALEXANDRA, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-11-15
[86] 2018-06-12 (PCT/FR2018/051375)
[87] (WO2018/229423)
[30] FR (17/55329) 2017-06-14

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[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 15/09 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **GLUCOSYL TRANSFERASE POLYPEPTIDES AND METHODS OF USE**
[54] **POLYPEPTIDES DE GLUCOSYL TRANSFERASE ET LEURS PROCEDES D'UTILISATION**
[72] HAWKES, TIMOTHY ROBERT, GB
[72] DALE, RICHARD, GB
[72] EVANS, JOHN PAUL, GB
[72] LANGFORD, MICHAEL PHILLIP, GB
[72] GUILLEMER, SABRINA, FR
[72] DONG, SHUJIE, US
[72] QUE, QIUDENG, US
[72] CHEN, ZHONGYING, US
[72] QIN, YINPING LUCY, US
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2019-11-15
[86] 2018-05-04 (PCT/US2018/031038)
[87] (WO2018/213022)
[30] US (62/507,255) 2017-05-17

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/192 (2006.01) A61K 31/195 (2006.01)**
[25] EN
[54] **TRANSDERMALLY-DELIVERED COMBINATION DRUG THERAPY FOR PAIN**
[54] **POLYTHERAPIE ADMINISTREE PAR VOIE TRANSDERMIQUE POUR LE TRAITEMENT DE LA DOULEUR**
[72] VARADI, GYULA, US
[72] CARTER, STEPHEN, G., US
[72] ZHU, ZHEN, US
[72] MASIZ, JOHN J., US
[71] BIOCHEMICS, INC., US
[71] MASIZ, JOHN J., US
[85] 2019-11-15
[86] 2018-05-09 (PCT/US2018/031729)
[87] (WO2018/213071)
[30] US (62/506,224) 2017-05-15

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[51] **Int.Cl. A61K 47/68 (2017.01) A61K 47/61 (2017.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07J 71/00 (2006.01) C07K 5/027 (2006.01) C07K 5/08 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CYCLODEXTRIN PROTEIN DRUG CONJUGATES**
[54] **CONJUGUES MEDICAMENTEUX PROTEIQUES A BASE DE CYCLODEXTRINE**
[72] HAN, AMY, US
[72] OLSON, WILLIAM, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-11-15
[86] 2018-05-09 (PCT/US2018/031839)
[87] (WO2018/213077)
[30] US (62/508,315) 2017-05-18

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[51] **Int.Cl. C07C 233/90 (2006.01) A61K 31/16 (2006.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **BIS-OCTAHYDROPHENANTHRENE CARBOXAMIDES AND PROTEIN CONJUGATES THEREOF**
[54] **BIS-OCTAHYDROPHENANTHRENE CARBOXAMIDES ET LEURS CONJUGUES PROTEIQUES**
[72] HAN, AMY, US
[72] MURPHY, ANDREW J., US
[72] OLSON, WILLIAM, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2019-11-15
[86] 2018-05-09 (PCT/US2018/031910)
[87] (WO2018/213082)
[30] US (62/508,327) 2017-05-18

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTI-FOLR1 IMMUNOCONJUGATES AND ANTI-PD-1 ANTIBODY COMBINATIONS**
[54] **IMMUNOCONJUGUES ANTI-FOLR1 ET COMBINAISONS D'ANTICORPS ANTI-PD-1**
[72] RUIZ SOTO, RODRIGO R., US
[71] IMMUNOGEN, INC., US
[71] MERCK SHARP & DOHME CORP., US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032692)
[87] (WO2018/213260)
[30] US (62/506,940) 2017-05-16
[30] US (62/560,462) 2017-09-19
[30] US (62/647,008) 2018-03-23

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/00 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **METHODS OF USE OF SOLUBLE CD24 FOR NEUROPROTECTION AND REMYELINATION**
[54] **PROCEDES D'UTILISATION DE CD24 SOLUBLE POUR LA NEUROPROTECTION ET LA REMYELINISATION**
[72] LIU, YANG, US
[72] ZHENG, PAN, US
[72] LI, NING, US
[72] DEVENPORT, MARTIN, US
[71] ONCOIMMUNE, INC., US
[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032699)
[87] (WO2018/213266)
[30] US (62/506,135) 2017-05-15

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[13] A1
[51] **Int.Cl. F02D 41/04 (2006.01) F02D 41/14 (2006.01) F02D 41/18 (2006.01)**
[25] EN
[54] **ENGINE OVERSPEED DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE SURVITESSE DE MOTEUR**
[72] BRYAN, MICHAEL A., US
[72] NOLES, JERRY W., US
[71] GAS ACTIVATED SYSTEMS, INC., US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032725)
[87] (WO2018/213280)
[30] US (62/506,248) 2017-05-15
[30] US (62/525,470) 2017-06-27
[30] US (62/611,391) 2017-12-28
[30] US (62/617,899) 2018-01-16
[30] US (62/617,855) 2018-01-16
[30] US (62/662,977) 2018-04-26

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[51] **Int.Cl. B01D 1/00 (2006.01) B01D 3/42 (2006.01) B03B 1/00 (2006.01) C02F 1/00 (2006.01) C02F 1/04 (2006.01) C02F 9/00 (2006.01) C02F 9/10 (2006.01) C02F 11/12 (2019.01)**
[25] EN
[54] **CONTROLLED FLUID CONCENTRATOR**
[54] **CONCENTRATEUR DE FLUIDE COMMANDE**
[72] JURANITCH, JAMES C., US
[71] XDI HOLDINGS, LLC, US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032752)
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[30] US (62/506,285) 2017-05-15

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[13] A1
[51] **Int.Cl. F41C 27/00 (2006.01) F41A 35/00 (2006.01) H01R 25/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NETWORKING FIREARM-MOUNTED DEVICES**
[54] **SYSTEME ET PROCEDE DE MISE EN RESEAU DE DISPOSITIFS MONTES SUR UNE ARME A FEU**
[72] MILLER, TYLER, US
[72] FELDMAN, BEN, US
[72] ELLENA, JOSEPH, US
[72] TAYLOR, WAYNE, US
[72] FISHER, MARTIN, US
[72] CALLSEN, GARY, US
[71] T-WORX HOLDINGS, LLC, US
[85] 2019-11-15
[86] 2018-05-15 (PCT/US2018/032792)
[87] (WO2018/213327)
[30] US (62/506,533) 2017-05-15

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[13] A1
[51] **Int.Cl. G02B 5/20 (2006.01)**
[25] EN
[54] **ULTRA-THIN, FLEXIBLE THIN-FILM FILTERS WITH SPATIALLY OR TEMPORALLY VARYING OPTICAL PROPERTIES AND METHODS OF MAKING THE SAME**
[54] **FILTRES A FILM MINCE ULTRA-MINCES FLEXIBLES AYANT DES PROPRIETES OPTIQUES VARIANT DANS L'ESPACE OU DANS LE TEMPS ET LEURS PROCEDES DE FABRICATION**
[72] BANAEI, ESMAEIL, US
[72] DOMENGE, PATRICIA XIMENA CORONADO, US
[72] BOGA, JUSTIN, US
[71] EVERIX, INC., US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032871)
[87] (WO2018/213379)
[30] US (62/507,432) 2017-05-17

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[13] A1
[51] **Int.Cl. G02B 5/28 (2006.01) G02B 5/20 (2006.01) G02B 5/22 (2006.01)**
[25] EN
[54] **FLEXIBLE, ULTRA-THIN, HYBRID ABSORPTIVE-REFLECTIVE THIN-FILM FILTERS AND METHODS OF MAKING THE SAME**
[54] **FILTRES A FILM MINCE A REFLEXION ABSORBANTE HYBRIDES, ULTRA-MINCES ET FLEXIBLES, ET PROCEDES DE FABRICATION DE CEUX-CI**
[72] BANAEI, ESMAEIL, US
[72] BOGA, JUSTIN, US
[72] BISSON, CRISTINA MARIE, US
[71] EVERIX, INC., US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032872)
[87] (WO2018/213380)
[30] US (62/507,417) 2017-05-17
[30] US (62/537,566) 2017-07-27

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[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **AGAROID STRUCTURES AND RELATED METHODS OF USE AND MANUFACTURE**
[54] **STRUCTURES AGAROIDES ET PROCEDES D'UTILISATION ET DE FABRICATION ASSOCIES**
[72] PROVONCHEE, RICHARD, US
[71] ADVANCED AESTHETIC TECHNOLOGIES, INC., US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032911)
[87] (WO2018/213408)
[30] US (62/507,302) 2017-05-17

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[13] A1
[51] **Int.Cl. C07D 213/75 (2006.01) A61P 29/00 (2006.01) C07B 59/00 (2006.01) C07F 9/576 (2006.01)**
[25] EN
[54] **DEUTERATED PYRIDONE AMIDES AND PRODRUGS THEREOF AS MODULATORS OF SODIUM CHANNELS**
[54] **AMIDES DE PYRIDONE DEUTERES ET LEURS PROMEDICAMENTS UTILISES EN TANT QUE MODULATEURS DE CANAUX SODIQUES**
[72] JIANG, LICONG, US
[72] HADIDA RUAH, SARA SABINA, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032939)
[87] (WO2018/213426)
[30] US (62/507,172) 2017-05-16
[30] US (62/547,718) 2017-08-18

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[13] A1
[51] **Int.Cl. H02J 7/14 (2006.01) B60L 1/00 (2006.01) B60L 1/04 (2006.01) H02J 3/14 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGER WITH LOAD SHEDDING**
[54] **CHARGEUR DE VEHICULE ELECTRIQUE A DELESTAGE DE CHARGE**
[72] SAMOJEDEN, MATTHEW, US
[71] HUBBELL INCORPORATED, US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/032975)
[87] (WO2018/213450)
[30] US (62/506,816) 2017-05-16

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[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKER OF DISEASE**
[54] **BIOMARQUEUR DE MALADIE**
[72] GRAY, ELIN, AU
[72] ZAENKER, PAULINE, AU
[72] ZIMAN, MEL, AU
[72] SU HAU LO, JOHNNY, AU
[71] EDITH COWAN UNIVERSITY, AU
[85] 2019-11-18
[86] 2018-05-22 (PCT/AU2018/050492)
[87] (WO2018/213877)
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[54] **MANABODIES AND METHODS OF USING**
[54] **MANABODIES ET PROCEDES D'UTILISATION**
[72] HSIUE, EMILY HAN-CHUNG, US
[72] WANG, QING, US
[72] VOGELSTEIN, BERT, US
[72] KINZLER, KENNETH W., US
[72] ZHOU, SHIBIN, US
[72] DOUGLASS, JACQUELINE, US
[72] HWANG, MICHAEL S., US
[72] PAPADOPOULOS, NICKOLAS, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
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[54] **THERAPEUTICS FOR GLYCOGEN STORAGE DISEASE TYPE III**
[54] **AGENTS THERAPEUTIQUES POUR LA MALADIE DU STOCKAGE DU GLYCOGENE DE TYPE III**
[72] TACHIKAWA, KIYOSHI, US
[72] PEREZ-GARCIA, CARLOS GUSTAVO, US
[72] CHIVUKULA, PADMANABH, US
[72] BHASKARAN, HARI PRAKASH, US
[72] COBAUGH, CHRISTIAN W., US
[72] DAUGHERTY, SEAN CHRISTOPHER, US
[71] ULTRAGENYX PHARMACEUTICAL INC., US
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[54] **UPLINK REFERENCE SIGNAL SEQUENCE DESIGN IN 5G NEW RADIO**
[54] **MODELE DE SEQUENCE DE SIGNAUX DE REFERENCE DE LIAISON MONTANTE DANS UNE TECHNOLOGIE 5G NEW RADIO**
[72] PARK, SEYONG, US
[72] WANG, RENQIU, US
[72] HUANG, YI, US
[72] XU, HAO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-15
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[54] **QUAD FOOT NESTABLE BLOCK PALLET**
[54] **PALETTE A BLOCS EMBOITABLE A PIEDS RECTANGULAIRES**
[72] KROEKER, DAN, US
[71] COTAJETY LLC, US
[85] 2019-11-14
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[54] **MECHANICALLY EXPANDABLE HEART VALVE**
[54] **VALVULE CARDIAQUE EXTENSIBLE MECANIQUEMENT**
[72] BARASH, ALEXANDER, US
[72] NEUMANN, YAIR A., US
[72] SAAR, TOMER, US
[72] YOHANAN, ZIV, US
[72] NIR, NOAM, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **SYSTEM AND METHOD FOR MARKING AND SUBSEQUENTLY LOCATING SITES OF BIOPSIES USING RFID TECHNOLOGY**
[54] **SYSTEME ET PROCEDE DE MARQUAGE ET ENSUITE DE LOCALISATION DE SITES DE BIOPSIE A L'AIDE DE LA TECHNOLOGIE RFID**
[72] LANDSMAN, ADAM SCOTT, US
[72] GRYSKA, PAUL VONRYLL, US
[72] FERRUCCI, JOSEPH, US
[71] SHADWELL ENDOSCOPIC, INC., US
[85] 2019-11-15
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[25] EN
[54] **NEEDLE IMPEDANCE ELECTROMYOGRAPHY AND ELECTRICAL IMPEDANCE IMAGING FOR ENHANCED MUSCLE DIAGNOSTICS**
[54] **ELECTROMYOGRAPHIE A IMPEDANCE AVEC AIGUILLE ET IMAGERIE D'IMPEDANCE ELECTRIQUE POUR DIAGNOSTICS MUSCULAIRES AMELIORES**
[72] SANCHEZ, BENJAMIN, US
[72] RUTKOVE, SEWARD B., US
[72] KWON, HYEUKNAM, US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/033032)
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[54] **UTILISATION DE FORMULATIONS DE COENZYME Q10 DANS LE TRAITEMENT ET LA PREVENTION DE L'EPIDERMOLYSE BULLEUSE**
[72] NARAIN, NIVEN RAJIN, US
[72] SARANGARAJAN, RANGAPRASAD, US
[72] KIEBISH, MICHAEL ANDREW, US
[71] BERG LLC, US
[85] 2019-11-15
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[51] **Int.Cl. A61F 2/24 (2006.01)**
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[54] **PROSTHETIC VALVE WITH IMPROVED WASHOUT**
[54] **VALVE PROTHETIQUE A LAVAGE AMELIORE**
[72] COLAVITO, KYLE W., US
[72] DIENNO, DUSTIN V., US
[72] HAGAMAN, LOGAN R., US
[72] HARTMAN, CODY L., US
[72] SASTRY, SUDEEP, US
[71] W.L. GORE & ASSOCIATES, INC., US
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[54] **TELEPRESENCE MANAGEMENT**
[54] **GESTION DE TELEPRESENCE**
[72] MCMILLAN, STEVEN ROBERT, CA
[72] HOGUE, ANDREW, CA
[71] ROBOREP INC., CA
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[25] EN
[54] **DEVICES FOR REPAIR OF A SELECTED BLOOD VESSEL OR PART THEREOF AND RAPID HEALING OF INJURED INTERNAL BODY CAVITY WALLS**
[54] **DISPOSITIFS POUR LA REPARATION D'UN VAISSEAU SANGUIN SELECTIONNE OU D'UNE PARTIE DE CELUI-CI ET LA CICATRISATION RAPIDE DES PAROIS DES CAVITES CORPORELLES INTERNES LESEES**
[72] LIEBER, BARUCH B., US
[72] ROSE, JOHN A., US
[71] PROMETHEUS THERAPEUTICS INC., US
[85] 2019-11-15
[86] 2018-05-16 (PCT/US2018/033047)
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[54] **DEVICE ACTIVATION IMPACT/SHOCK REDUCTION**
[54] **REDUCTION DES IMPACTS/CHOCS D'ACTIVATION D'UN DISPOSITIF**
[72] HERING, MARTIN, US
[72] SMYTH, BRENDAN, US
[71] AMGEN INC., US
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[54] **ELECTRONIC DRUG DELIVERY DEVICE COMPRISING A CAP ACTIVATED BY A SWITCH ASSEMBLY**
[54] **DISPOSITIF ELECTRONIQUE D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN BOUCHON ACTIVE PAR UN ENSEMBLE COMMUTATEUR**
[72] CHANG, SUNG KEUN, US
[72] DEAN, HAROLD, IV, US
[72] FRIEDMAN, MICHAEL, US
[72] JOHNSTON, GORDON, US
[72] JOHNSTON, NEAL, US
[71] AMGEN INC., US
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[25] EN
[54] **CALCINED GYPSUM SLURRY MIXING APPARATUS HAVING VARIABLY POSITIONABLE LUMP RING AND METHOD FOR MANUFACTURING GYPSUM PRODUCT USING SAME**
[54] **APPAREIL DE MELANGE DE PATE DE PLATRE CALCINE AYANT UN ANNEAU EN BLOC POSITIONNABLE DE FACON VARIABLE ET PROCEDE DE FABRICATION DE PRODUIT DE PLATRE L'UTILISANT**
[72] SCAFF, JOSEPH, US
[72] BELL, LESTER, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2019-11-15
[86] 2018-05-17 (PCT/US2018/033066)
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[30] US (15/599,266) 2017-05-18

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[54] **CONTAINER AND LATCHING SYSTEM**
[54] **CONTENANT ET SYSTEME DE VERROUILLAGE**
[72] SEIDERS, ROY JOSEPH, US
[72] NICHOLS, STEVE CHARLES, US
[72] ELLISON, KYLE, US
[72] BONDHUS, ANDY, US
[72] HOTCHKISS, TOBIAS, US
[72] MORRIS, LIZA, US
[72] ZUCK, DENNIS, US
[72] NIXON, RYAN, US
[72] RANE, MARK CARLSON, US
[71] YETI COOLERS, LLC, US
[85] 2019-11-15
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[54] **DEVICES, SYSTEMS, AND METHODS FOR AGROCHEMICAL DETECTION AND AGROCHEMICAL COMPOSITIONS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETECTION AGROCHIMIQUE ET COMPOSITIONS AGROCHIMIQUES**
[72] THOMPSON, BRIAN M., US
[71] SPOGEN BIOTECH INC., US
[71] NUFARM LIMITED, AU
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[25] EN
[54] **SENSOR INITIALIZATION METHODS FOR FASTER BODY SENSOR RESPONSE**
[54] **PROCEDES D'INITIALISATION DE CAPTEUR POUR REPONSE DE CAPTEUR CORPOREL PLUS RAPIDE**
[72] PATEL, ANUJ M., US
[71] MEDTRONIC MINIMED, INC., US
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[54] **SELF-RIGHTING SYSTEMS AND RELATED COMPONENTS AND METHODS**
[54] **SYSTEMES A REDRESSEMENT AUTOMATIQUE, ET COMPOSANTS ET PROCEDES ASSOCIES**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] ABRAMSON, ALEX G., US
[72] CAFFAREL SALVADOR, ESTER, US
[72] ROXHED, NICLAS, SE
[72] KHANG, MINSOO, US
[72] BENSEL, TAYLOR, US
[72] LANGER, ROBERT S., US
[72] WATER, JORRIT JEROEN, DK
[72] FREDERIKSEN, MORTEN REVSGAARD, DK
[72] KRISTIANSEN, BO ULDALL, DK
[72] JESPERSEN, MIKKEL OLIVER, DK
[72] POULSEN, METTE, DK
[72] HERSKIND, PETER, DK
[72] JENSEN, BRIAN, DK
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] NOVO NORDISK A/S, DK
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[54] **FAULT DETECTION BASED ON SEISMIC DATA INTERPRETATION**
[54] **DETECTION DE FAILLES SUR LA BASE DE L'INTERPRETATION DE DONNEES SISMIQUES**
[72] MAO, YOULI, US
[72] MANDAPAKA, BHASKAR, US
[72] DEV, ASHWANI, US
[72] PRIYADARSHY, SATYAM, US
[71] LANDMARK GRAPHICS CORPORATTION, US
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[25] EN
[54] **CHARACTERIZATION OF A MATERIAL USING COMBINED LASER-BASED IR SPECTROSCOPY AND LASER-INDUCED BREAKDOWN SPECTROSCOPY**
[54] **CARACTERISATION D'UN MATERIAU PAR SPECTROSCOPIE IR LASER COMBINEE A UNE SPECTROSCOPIE D'EMISSION ATOMIQUE A PARTIR D'UN PLASMA INDUIT PAR LASER (LIBS)**
[72] BLOUIN, ALAIN, CA
[72] SABSABI, MOHAMAD, CA
[72] MONCHALIN, JEAN-PIERRE, CA
[72] VANIER, FRANCIS, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **IMMUNOTHERAPIE ANTICANCEREUSE NANO-ACTIVEE**
[72] NEL, E. ANDRE, US
[72] MENG, HUAN, US
[72] LU, JIANQIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **KINASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE KINASE ET LEURS UTILISATIONS**
[72] DE VICENTE FIDALGO, JAVIER, US
[72] ESTRADA, ANTHONY A., US
[72] FENG, JIANWEN A., US
[72] FOX, BRIAN, US
[72] FRANCINI, CINZIA MARIA, IT
[72] HALE, CHRISTOPHER R.H., US
[72] HU, CHENG, US
[72] LESLIE, COLIN PHILIP, IT
[72] OSIPOV, MAKSIM, US
[72] SERRA, ELENA, IT
[72] SWEENEY, ZACHARY K., US
[72] THOTTUMKARA, ARUN, US
[71] DENALI THERAPEUTICS INC., US
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[51] **Int.Cl. A63B 69/36 (2006.01) A61B 5/107 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR BODY TYPE SPECIFIC GOLF**
[54] **APPAREIL, SYSTEME ET PROCEDE POUR GOLF SPECIFIQUE AU TYPE DE CORPS**
[72] DAGENEAIS, MICHAEL M., CA
[71] DAGENEAIS, MICHAEL M., CA
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[86] 2018-09-18 (PCT/CA2018/051160)
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[51] **Int.Cl. G06F 3/041 (2006.01) B32B 17/10 (2006.01)**
[25] EN
[54] **LAMINATED GLASS PANE AND METHOD FOR PRODUCTION THEREOF**
[54] **VITRAGE EN VERRE FEUILLETE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] WEBER, PATRICK, DE
[72] KLAUSS, BASTIAN, DE
[72] ZEISS, MICHAEL, DE
[72] EFFERTZ, CHRISTIAN, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **COMPOUNDS, COMPOSITIONS AND METHODS**
[54] **COMPOSES, COMPOSITIONS ET METHODES**
[72] BONANOMI, GIORGIO, US
[72] ESTRADA, ANTHONY A., US
[72] FENG, JIANWEN A., US
[72] FOX, BRIAN, US
[72] FRANCINI, CINZIA MARIA, US
[72] HU, CHENG, US
[72] LESLIE, COLIN PHILIP, US
[72] OSIPOV, MAKSIM, US
[72] SUDHAKAR, ANANTHA, US
[72] SWEENEY, ZACHARY K., US
[72] DE VICENTE FIDALGO, JAVIER, US
[71] DENALI THERAPEUTICS INC., US
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[54] **FLEXIBLE CIRCUIT PACKAGE**
[54] **BOITIER DE CIRCUIT SOUPLE**
[72] VIBERG, DAVID ALLAN, CA
[72] STEVENS, TRAVIS MICHAEL, CA
[72] NIELSEN, KRAIG ELBERT, CA
[72] PURDY, MICHAEL TODD, CA
[71] ORPYX MEDICAL TECHNOLOGIES INC., CA
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[25] EN
[54] **CLOSED LOOP CHILLED SOLVENT FEED FOR CANNABINOID EXTRACTION**
[54] **ALIMENTATION EN SOLVANT REFRIGERE EN BOUCLE FERMEE POUR EXTRACTION DE CANNABINOIDES**
[72] KO, RYAN DELMORAL, CA
[71] NEXTLEAF SOLUTIONS LTD, CA
[85] 2019-11-18
[86] 2018-11-08 (PCT/CA2018/051416)
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[30] US (15/809,980) 2017-11-10
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[51] **Int.Cl. B32B 17/10 (2006.01) H01L 51/50 (2006.01) H01L 51/52 (2006.01)**
[25] EN
[54] **CURVED COMPOSITE GLASS PANEL WITH AN EMBEDDED CURVED COHERENT DISPLAY AND METHOD FOR PRODUCING THE SAME**
[54] **VITRE EN VERRE FEUILLETE COURBEE COMPRENANT UN AFFICHAGE CONTINU COURBE ENCASTRE ET PROCEDE DE FABRICATION DE LADITE VITRE**
[72] WEBER, PATRICK, DE
[72] KIZMAZ, ALI-OSMAN, DE
[72] BORHANI HAGHIGHI, SARA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[86] 2018-05-08 (PCT/EP2018/061837)
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[25] EN
[54] **NETWORK SYSTEM WITH SCHEDULED BREAKS**
[54] **SYSTEME DE RESEAU A INTERRUPTIONS PROGRAMMEES**
[72] DAVIES, BRETT, US
[72] LI, YULUN, US
[72] HUANG, MENG, US
[72] ZHOU, ZHEWU, US
[71] UBER TECHNOLOGIES, INC., US
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[86] 2018-05-18 (PCT/US2018/033344)
[87] (WO2018/213676)
[30] US (15/600,361) 2017-05-19
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[30] US (15/918,171) 2018-03-12
[30] US (15/602,540) 2017-05-23

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[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **COMPOSITE PANE AND METHOD FOR PRODUCING THE COMPOSITE PANE**
[54] **VITRAGE FEUILLETE ET PROCEDE DE PRODUCTION D'UN VITRAGE FEUILLETE**
[72] SCHALL, GUNTHER, DE
[72] GIER, STEPHAN, DE
[72] BROCKER, RICHARD, DE
[72] BALDUIN, MICHAEL, DE
[72] BORCHMANN, NIKOLAI, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-11-18
[86] 2017-12-13 (PCT/EP2017/082504)
[87] (WO2018/215082)
[30] EP (17172622.7) 2017-05-24

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[13] A1
[51] **Int.Cl. H04W 28/06 (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] 2019-11-18
[86] 2017-05-19 (PCT/CN2017/085057)
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[51] **Int.Cl. G02B 27/02 (2006.01) H04W 4/02 (2018.01) G06F 3/048 (2013.01)**
[25] EN
[54] **DIET MAPPING PROCESSES AND SYSTEMS TO OPTIMIZE DIET QUALITY AND/OR MINIMIZE ENVIRONMENTAL IMPACT**
[54] **PROCEDES ET SYSTEMES DE CARTOGRAPHIE DE REGIME POUR OPTIMISER LA QUALITE DU REGIME ET/OU MINIMISER L'IMPACT ENVIRONNEMENTAL**
[72] KATZ, DAVID L., US
[72] RHEE, LAUREN, US
[71] DQPN, LLC, US
[85] 2019-11-15
[86] 2018-05-18 (PCT/US2018/033443)
[87] (WO2018/213737)
[30] US (62/508,613) 2017-05-19
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[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/00 (2006.01) A61B 5/021 (2006.01) A61B 5/08 (2006.01) A61B 5/1455 (2006.01)**
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[54] **RELIABLE ACQUISITION OF PHOTOPLETHYSMOGRAPHIC DATA**
[54] **ACQUISITION FIABLE DE DONNEES PHOTOPLETHYSMOGRAPHIQUES**
[72] HUBNER, THOMAS, DE
[71] PREVENTICUS GMBH, DE
[85] 2019-11-18
[86] 2018-05-17 (PCT/EP2018/062841)
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[30] EP (17171812.5) 2017-05-18

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[25] EN
[54] **SMOKELESS CIGARETTE HAVING DECREASED VAPOR TEMPERATURE AND PREVENTING HEAT-CAUSED COLLAPSE OF CIGARETTE HOLDER**
[54] **CIGARETTE SANS FUMEE AYANT UNE TEMPERATURE DE VAPEUR REDUITE ET EMPECHANT UN AFFAISSEMENT DU A LA CHALEUR D'UN SUPPORT DE CIGARETTE**
[72] LIU, HUACHEN, CN
[72] CHEN, YIKUN, CN
[72] KE, WEICHANG, CN
[72] LUO, CHENGHAO, CN
[72] LIU, BING, CN
[71] HUBEI CHINA TOBACCO INDUSTRY CO., LTD., CN
[85] 2019-11-18
[86] 2018-05-25 (PCT/CN2018/088370)
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **DERIVATIVES OF RESIQUIMOD**
[54] **DERIVES DE RESIQUIMOD**
[72] YANG, LIHU, US
[71] SUPERB WISDOM LIMITED, WS
[71] YANG, LIHU, US
[85] 2019-11-15
[86] 2018-05-18 (PCT/US2018/033493)
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[30] US (62/508,722) 2017-05-19

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[51] **Int.Cl. A61K 39/39 (2006.01) A61K 8/14 (2006.01) A61K 8/55 (2006.01) A61K 9/127 (2006.01)**
[25] EN
[54] **METHODS FOR MANUFACTURING AN ADJUVANT**
[54] **PROCEDES DE FABRICATION D'UN ADJUVANT**
[72] HARVENGT, POL, BE
[72] JEHOULET, PHILIPPE, BE
[72] LE GOURRIEREC, LOIC, BE
[72] SIFAKAKIS, DEMOSTENE, BE
[72] STRODIOT, LAURENT, BE
[71] GLAXOSMITHLINE BIOLOGICALS S.A., BE
[85] 2019-11-18
[86] 2018-03-23 (PCT/EP2018/057488)
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[30] US (62/512,352) 2017-05-30

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[51] **Int.Cl. G01N 33/574 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **PREDICTING RESPONDERS TO CYCLOPHOSPHAMIDE THERAPY**
[54] **PREDICTION DE REPONDEURS A UNE THERAPIE PAR CYCLOPHOSPHAMIDE**
[72] PLEBANSKI, MAGDALENA, AU
[72] MADONDO, MUTSA TATENDA, AU
[71] ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, AU
[85] 2019-11-18
[86] 2018-05-18 (PCT/AU2018/050478)
[87] (WO2018/209404)
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[51] **Int.Cl. H04W 72/00 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION**
[72] HUANG, HUANG, CN
[72] GAO, KUANDONG, CN
[72] YAN, MAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-11-18
[86] 2018-05-28 (PCT/CN2018/088769)
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[30] CN (201710409898.1) 2017-06-02

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[13] A1
[51] **Int.Cl. G01N 21/05 (2006.01) G01N 30/02 (2006.01) G01N 30/74 (2006.01)**
[25] EN
[54] **COMBINED FLUORESCENCE AND ABSORPTION DETECTOR FOR ON-COLUMN DETECTION AFTER CAPILLARY SEPARATION TECHNIQUES**
[54] **DETECTEUR MIXTE DE FLUORESCENCE ET D'ABSORPTION DESTINE A LA DETECTION PAR COLONNE SELON DES TECHNIQUES DE SEPARATION PAR VOIE CAPILLAIRE**
[72] FARNSWORTH, PAUL B., US
[72] LEE, MILTON L., US
[72] TOLLEY, LUKE T., US
[72] TOLLEY, H. DENNIS, US
[72] XIE, XIAOFENG, US
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2019-11-15
[86] 2018-05-18 (PCT/US2018/033500)
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[30] US (62/508,239) 2017-05-18

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[51] **Int.Cl. H03F 3/45 (2006.01) H03F 3/187 (2006.01)**
[25] EN
[54] **INVERTER-BASED DIFFERENTIAL AMPLIFIER**
[54] **AMPLIFICATEUR DIFFERENTIEL A BASE D'INVERSEUR**
[72] LINK, GARRY N., US
[72] LEE, WAI, US
[71] AVNERA CORPORATION, US
[85] 2019-11-15
[86] 2018-05-18 (PCT/US2018/033532)
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[51] **Int.Cl. C07K 14/74 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATIONS OF MHC CLASS IB MOLECULES AND PEPTIDES FOR TARGETED THERAPEUTIC IMMUNOMODULATION**
[54] **COMBINAISONS DE MOLECULES DE CMH DE CLASSE IB ET DE PEPTIDES POUR IMMUNOMODULATION THERAPEUTIQUE CIBLEE**
[72] BRUTTEL, VALENTIN, DE
[72] WISCHHUSEN, JORG, DE
[71] BRUTTEL, VALENTIN, DE
[71] JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG, DE
[85] 2019-11-18
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[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) B01D 11/02 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **CANNABINOID EXTRACTION PROCESS USING BRINE**
[54] **PROCEDE D'EXTRACTION DE CANNABINOIDES UTILISANT DE LA SAUMURE**
[72] KO, RYAN DELMORAL, CA
[72] HUGHES, BROCK, CA
[72] PAL, KRUPAL DEVENDRA, CA
[72] SAMUELSSON, ALEXZANDER, CA
[71] NEXTLEAF SOLUTIONS LTD, CA
[85] 2019-11-18
[86] 2018-09-07 (PCT/CA2018/051096)
[87] (WO2019/060986)
[30] US (15/721,344) 2017-09-29
[30] US (62/675,620) 2018-05-23
[30] US (62/676,261) 2018-05-24
[30] US (15/993,457) 2018-05-30
[30] US (16/112,033) 2018-08-24

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[13] A1
[51] **Int.Cl. B65G 21/20 (2006.01) B65G 21/22 (2006.01)**
[25] EN
[54] **ADJUSTABLE CONVEYOR BELT GUIDERAIL AND RELATED METHODS**
[54] **RAIL DE GUIDAGE DE BANDE TRANSPORTEUSE REGLABLE ET PROCEDES ASSOCIES**
[72] LAYNE, JAMES L., US
[72] FYE, STEPHEN C., US
[72] BARBOUR, SCOTT DAYTON, US
[72] COTTON, AARON, US
[72] BELL, SAVANNAH, US
[71] SPAN TECH LLC, US
[85] 2019-11-15
[86] 2018-05-21 (PCT/US2018/033665)
[87] (WO2018/213827)
[30] US (62/508,700) 2017-05-19
[30] US (62/550,023) 2017-08-25

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[13] A1
[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/00 (2012.01) G01V 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USE IN MEASURING A PROPERTY OF AN ENVIRONMENT IN, OR ADJACENT TO, AN ELONGATED SPACE**
[54] **SYSTEME ET PROCEDE PERMETTANT LA MESURE D'UNE PROPRIETE D'UN ENVIRONNEMENT DANS, OU ADJACENT A, UN ESPACE ALLONGE**
[72] VAN DER ENDE, ANDRE MARTIN, GB
[72] VAN BRUCHEM, LOURENS, NL
[71] PARADIGM TECHNOLOGY SERVICES B.V., NL
[85] 2019-11-18
[86] 2018-05-18 (PCT/EP2018/063128)
[87] (WO2018/211083)
[30] GB (1707957.5) 2017-05-18

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 1/04 (2006.01) C07H 15/26 (2006.01)**
[25] EN
[54] **GLUCURONIDE PRODRUGS OF JANUS KINASE INHIBITORS**
[54] **PROMEDICAMENTS GLUCURONIDES D'INHIBITEURS DE JANUS KINASE**
[72] LONG, DANIEL D., US
[72] WILTON, DONNA A.A., US
[72] LOO, MANDY, US
[72] HUDSON, RYAN, US
[72] BRASSIL, PATRICK J., US
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[85] 2019-11-15
[86] 2018-05-22 (PCT/US2018/033818)
[87] (WO2018/217700)
[30] US (62/509,847) 2017-05-23

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[13] A1
[51] **Int.Cl. A61C 7/08 (2006.01) A61C 7/00 (2006.01)**
[25] EN
[54] **CLEAR PLASTIC ALIGNER PROTRUSIONS FOR ANTERIOR OR OPEN BITE TREATMENT AND MATTRESS PLASTIC MATERIAL FOR INVISIBLE ALIGNERS**
[54] **PROTUBERANCES DE GOUTTIERES EN PLASTIQUE TRANSPARENTES POUR TRAITEMENT DES BEANCES ANTERIEURES OU OUVERTES ET MATIERE PLASTIQUE DE MATELAS POUR GOUTTIERES INVISIBLES**
[72] VOUDOURIS, JOHN, CA
[71] SPARTAN ORTHODONTICS INC., CA
[85] 2019-11-04
[86] 2018-04-30 (PCT/CA2018/000081)
[87] (WO2018/201220)
[30] US (62/500,840) 2017-05-03

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-TRKB ANTIBODIES**
[54] **ANTICORPS ANTI-TRKB**
[72] HERRMANN, ROLF, DE
[72] BAKKER, REMKO ALEXANDER, DE
[72] BANDHOLTZ, SEBASTIAN, DE
[72] BENZ, PETER MICHAEL, DE
[72] DZIEGELEWSKI, MICHAEL, US
[72] FLORIN, LORE, US
[72] KENNY, CYNTHIA HESS, US
[72] LOW, SARAH, US
[72] ROSENBROCK, HOLGER, DE
[72] SINGH, SANJAYA, US
[72] STAHL, HEIKO FRIEDRICH, DE
[72] VENKATARAMANI, SATHYADEVI, US
[72] VOYNOV, VLADIMIR, US
[72] XIAO, HAIGUANG, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2019-11-18
[86] 2018-06-08 (PCT/EP2018/065107)
[87] (WO2018/224630)
[30] EP (17175122.5) 2017-06-09

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[51] **Int.Cl. H01F 41/064 (2016.01) D02G 3/00 (2006.01) D06M 23/14 (2006.01) D06M 23/16 (2006.01) F03G 7/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MAKING MICROCOILS AND PRODUCT THEREOF**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE MICRO-BOBINES ET PRODUIT ASSOCIE**
[72] FOWLER, PAUL DAVID HODGKINS, CA
[72] SCHULMAN, RAFAEL DAVID, CA
[72] SALEZ, THOMAS, FR
[72] RAPHAEL, ELIE, FR
[72] DALNOKI-VERESS, KAROLY JACOB THEODOOR, CA
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DEARIS (ESPCI), FR
[71] MCMASTER UNIVERSITY, CA
[85] 2019-11-18
[86] 2017-05-19 (PCT/IB2017/001304)
[87] (WO2018/211306)

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[13] A1
[51] **Int.Cl. A61K 31/4045 (2006.01) A61K 31/27 (2006.01) A61K 31/445 (2006.01) A61K 31/496 (2006.01) A61K 31/505 (2006.01) A61K 31/55 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMBINATION OF A 5-HT6 RECEPTOR ANTAGONIST AND AN ACETYLCHOLINESTERASE INHIBITOR FOR USE IN THE TREATMENT OF ALZHEIMER'S DISEASE IN A PATIENT SUBPOPULATION CARRYING APOE4 ALLELES**
[54] **COMBINAISON D'UN ANTAGONISTE DU RECEPTEUR 5-HT6 ET D'UN INHIBITEUR DE L'ACETYLCHOLINESTERASE POUR UTILISATION DANS LE TRAITEMENT DE LA MALADIE D'ALZHEIMER CHEZ UNE SOUS-POPULATION DE PATIENTS PORTANT DES ALLELES APOE4**
[72] WINDFELD, KRISTIAN, DK
[71] H. LUNDBECK A/S, DK
[85] 2019-11-18
[86] 2018-05-22 (PCT/EP2018/063402)
[87] (WO2018/215478)
[30] DK (PA201700313) 2017-05-24
[30] DK (PA201700538) 2017-09-29

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[13] A1
[51] **Int.Cl. E04C 2/54 (2006.01) B28B 23/00 (2006.01)**
[25] EN
[54] **COMPOSITE PANEL WITH LIGHT TRANSPARENCY PROPERTIES AND METHOD FOR MAKING SAID PANEL**
[54] **PANNEAU COMPOSITE A PROPRIETES DE TRANSPARENCE A LA LUMIERE ET PROCEDE DE FABRICATION DUDIT PANNEAU**
[72] SCALCHI, ENRICO, IT
[72] MUNINI, ANDREA, IT
[72] LUCI, ALEXANDRO, IT
[71] ITALCEMENTI S.P.A., IT
[71] GESTECO S.P.A., IT
[85] 2019-11-18
[86] 2018-05-18 (PCT/IB2018/053521)
[87] (WO2018/211470)
[30] IT (102017000054638) 2017-05-19

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[13] A1
[51] **Int.Cl. H05B 3/56 (2006.01) H02M 5/293 (2006.01) H02M 1/00 (2007.10)**
[25] EN
[54] **UNIVERSAL POWER CONVERTER**
[54] **CONVERTISSEUR DE PUISSANCE UNIVERSEL**
[72] ZACH, JUERGEN J., US
[72] SHIRKHANI, ARSHAM, US
[72] CAOUETTE, DAN, US
[72] BERES, JAMES F., US
[71] NVENT SERVICES GMBH, CH
[85] 2019-11-18
[86] 2018-05-18 (PCT/IB2018/000797)
[87] (WO2018/211334)
[30] US (62/508,282) 2017-05-18

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[13] A1
[51] **Int.Cl. A45F 3/16 (2006.01) A45F 3/18 (2006.01)**
[25] EN
[54] **RECLOSURE SYSTEM AND THE USE OF SUCH RECLOSURE SYSTEM**
[54] **SYSTEME DE REFERMETURE ET UTILISATION D'UN TEL SYSTEME DE REFERMETURE**
[72] FINCKELSEN, TORRY, SE
[71] NORDIC-BATTLELAND AB, SE
[85] 2019-11-18
[86] 2018-06-08 (PCT/EP2018/065157)
[87] (WO2018/228941)
[30] SE (1750743-5) 2017-06-12

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[13] A1
[51] **Int.Cl. E04C 2/54 (2006.01) B28B 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING A COMPOSITE PANEL, PREFERABLY CEMENTITIOUS MORTAR BASED, WITH LIGHT TRANSLUCENCY PROPERTIES**
[54] **PROCEDE DE FABRICATION D'UN PANNEAU COMPOSITE, DE PREFERENCE A BASE DE MORTIER CIMENTAIRE, PRESENTANT DES PROPRIETES DE TRANSLUCIDITE A LA LUMIERE**
[72] SCALCHI, ENRICO, IT
[72] MUNINI, ANDREA, IT
[72] LUCI, ALEXANDRO, IT
[71] ITALCEMENTI S.P.A., IT
[71] GESTECO S.P.A., IT
[85] 2019-11-18
[86] 2018-05-18 (PCT/IB2018/053522)
[87] (WO2018/211471)
[30] IT (102017000054669) 2017-05-19

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[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61K 38/00 (2006.01) A61K 45/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **HEAT SHOCK PROTEIN INDUCERS AND FRONTOTEMPORAL DISORDERS**
[54] **INDUCTEURS DE PROTEINE DE CHOC THERMIQUE ET TROUBLES FRONTOTEMPORAUX**
[72] JENSEN, THOMAS KIRKEGAARD, DK
[72] GREENSMITH, LINDA, GB
[71] ORPHAZYME A/S, DK
[71] UCL BUSINESS PLC, GB
[85] 2019-11-18
[86] 2018-05-24 (PCT/EP2018/063662)
[87] (WO2018/215597)
[30] EP (17172669.8) 2017-05-24

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[13] A1
[51] **Int.Cl. C07D 489/08 (2006.01)**
[25] EN
[54] **PREPARATION OF BUPRENORPHINE**
[54] **PREPARATION DE BUPRENORPHINE**
[72] VAN WILTENBURG, JIMMY, NL
[72] SANTELLA, MARCO, DK
[72] ROUSSEL, PATRICK, CH
[71] RIVER STONE BIOTECH APS, DK
[71] VAN WILTENBURG, JIMMY, NL
[71] SANTELLA, MARCO, DK
[85] 2019-11-18
[86] 2018-05-21 (PCT/IB2018/000732)
[87] (WO2018/211331)
[30] US (62/508,616) 2017-05-19

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[13] A1
[51] **Int.Cl. A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY**
[54] **POLYTHERAPIE**
[72] GOLD, DANIEL P., US
[71] MEI PHARMA, INC., US
[85] 2019-11-15
[86] 2018-05-22 (PCT/US2018/033936)
[87] (WO2018/217787)
[30] US (62/510,204) 2017-05-23
[30] US (62/518,359) 2017-06-12

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[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **AUTO INJECTOR WITH VARIABLE PLUNGER FORCE**
[54] **AUTO-INJECTEUR A FORCE DE PISTON VARIABLE**
[72] EGESBORG, HENRIK, DK
[72] JENSEN, STEEN, DK
[72] LARSEN, MARTIN NORGAARD, DK
[72] ELKJAR, JOHNNY, DK
[72] ANDERSEN, BJORN KNUD, DK
[71] ASCENDIS PHARMA A/S, DK
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[86] 2018-05-23 (PCT/EP2018/063460)
[87] (WO2018/215516)
[30] EP (17172456.0) 2017-05-23

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR RESOURCE MANAGEMENT**
[54] **SYSTEME ET APPAREIL DE GESTION DE RESSOURCE**
[72] O'SULLIVAN, KEVIN, GB
[72] CHEIKH, STEPHANE, CH
[72] BARANDUN, RICO ANDREAS, CH
[72] MALINOFSKY, ANDREW ERIC, US
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[54] **CONSTRUCTION D'EXPRESSION VIRALE COMPRENANT UNE SEQUENCE DE CODAGE DU FACTEUR DE CROISSANCE DES FIBROBLASTES 21 (FGF21)**
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[72] BOSCH TUBERT, FATIMA, ES
[72] JAMBRINA PALLARES, CLAUDIA, ES
[71] UNIVERSITAT AUTONOMA DE BARCELONA, ES
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[54] **SYSTEMES DE CONSERVATION**
[72] LANE, SANFORD, US
[72] PALEFSKY, IRWIN, US
[72] MELENDEZ, YAMARIS, US
[72] FONTAINE, WANDA, US
[71] ALUMIER EUROPE LIMITED, MT
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[54] **FLEXIBLE LEG SUPPORTING MEMBRANE, LEG SUPPORT FRAME AND MOBILE PATIENT STANDING AND RAISING AID**
[54] **MEMBRANE SOUPLE DE SUPPORT DE JAMBE, CADRE DE SUPPORT DE JAMBE ET AIDE MOBILE PERMETTANT A UN PATIENT DE SE LEVER ET DE SE TENIR DEBOUT**
[72] RUBIN, MARIE, SE
[72] HELLSTROM, THERESE, SE
[71] HUNTLEIGH TECHNOLOGY LIMITED, GB
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[54] **METHOD FOR PRODUCING A STEEL PART AND CORRESPONDING STEEL PART**
[54] **PROCEDE DE PRODUCTION D'UNE PIECE EN ACIER ET PIECE EN ACIER CORRESPONDANTE**
[72] RESIAK, BERNARD, FR
[71] ARCELORMITTAL, LU
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[54] **PROTEINES GREFFEES D'ANTICORPS-CYTOKINE ET PROCEDES D'UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] DEANE, JONATHAN, US
[72] DIAZ-DE-DURANA, YAIZA, US
[72] DIDONATO, MICHAEL, US
[72] FILIPPI, CHRISTOPHE, US
[72] SPRAGGON, GLEN, US
[71] NOVARTIS AG, CH
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[54] **ARTICLE TRACKING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SUIVI D'ARTICLE**
[72] MALINOFSKY, ANDREW ERIC, US
[71] SITA INFORMATION NETWORKING COMPUTING USA, INC., US
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[54] **COMPOUNDS AND COMPOSITIONS FOR INDUCING CHONDROGENESIS**
[54] **COMPOSES ET COMPOSITIONS D'INDUCTION DE LA CHONDROGENESE**
[72] CHOI, HA-SOON, US
[72] JIANG, JIQING, US
[72] LAJINESS, JAMES PAUL, US
[72] NGUYEN, BAO, US
[72] PETRASSI, HANK MICHAEL JAMES, US
[72] WANG, ZHICHENG, US
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[54] **WATER-SOLUBLE POLYSACCHARIDE DERIVATIVES, PROCESS FOR THEIR PREPARATION, AND THEIR USES**
[54] **DERIVES DE POLYSACCHARIDES HYDROSOLUBLES, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] BIANCHINI, GIULIO, IT
[72] CALLEGARO, LANFRANCO, IT
[71] JOINTHERAPEUTICS S.R.L., IT
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[54] **COMPONENTS**
[54] **COMPOSANTS**
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[72] DAVIES, SUSAN, GB
[71] BODYCOTE H.I.P. LIMITED, GB
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[54] **CONTROLLED SIMULTANEOUS NITRIFICATION AND DENITRIFICATION IN WASTEWATER TREATMENT**
[54] **NITRIFICATION ET DENITRIFICATION SIMULTANEES REGULEES DANS LE TRAITEMENT DES EAUX USEES**
[72] VAN DIJK, EDWARD JOHN HENRIK, NL
[72] VAN SCHAGEN, KIM MICHAEL, NL
[72] OOSTERHOFF, ANTHONY THEODOOR, NL
[71] HASKONINGDHV NEDERLAND B.V., NL
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[54] **METHODS FOR MANUFACTURING A LIPOSOME ENCAPSULATED RNA**
[54] **PROCEDES DE FABRICATION D'UN ARN ENCAPSULE DANS UN LIPOSOME**
[72] STRODIOT, LAURENT BERNARD JEAN, BE
[72] MINET, GERALDINE, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **LIQUID LIGNIN COMPOSITION COMPRISING LIGNIN, WATER, ALKALI AND UREA**
[54] **COMPOSITION DE LIGNINE LIQUIDE COMPRENANT DE LA LIGNINE, DE L'EAU, UN ALCALI ET DE L'UREE**
[72] ZAFAR, ASHAR, SE
[72] EKSTROM, JESPER, SE
[72] ARESKOGH, DIMITRI, SE
[71] STORA ENSO OYJ, FI
[85] 2019-11-18
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[54] **BEVERAGE COMPOSITIONS CONTAINING BACILLUS COAGULANS MTCC 5856**
[54] **COMPOSITIONS DE BOISSON CONTENANT BACILLUS COAGULANS MTCC 5856**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MAJEED, SHAHEEN, US
[72] ARUMUGAM, SIVAKUMAR, IN
[72] ALI, FURQAN, IN
[71] SAMI LABS LIMITED, IN
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[54] **ELEMENT DE CONSTRUCTION ONDULE**
[72] DASH, GIRISH, IN
[72] SHINDE, SHAILENDRA, IN
[72] AHMED, RIZWAN, IN
[71] SAINT-GOBAIN PLACO, FR
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[54] **INHIBITEURS PYRAZOLE DE MAGL**
[72] GRICE, CHERYL A., US
[72] WIENER, JOHN J. M., US
[72] WEBER, OLIVIA D., US
[72] DUNCAN, KATHARINE K., US
[71] LUNDBECK LA JOLLA RESEARCH CENTER, INC., US
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[54] **SYSTEME DE GESTION DE CHANTIER ET PROCEDE DE GESTION DE CHANTIER**
[72] SUDOU, TSUGIO, JP
[71] KOMATSU LTD., JP
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[54] **STERILIZABLE PHARMACEUTICAL PACKAGE FOR OPHTHALMIC FORMULATIONS**
[54] **CONDITIONNEMENT PHARMACEUTIQUE STERILISABLE POUR FORMULATIONS OPHTALMIQUES**
[72] WEIKART, CHRISTOPHER, US
[72] BENNETT, MURRAY STEPHEN, US
[72] GIRAUD, JEAN-PIERRE, US
[71] SIO2 MEDICAL PRODUCTS, INC., US
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[54] **DEVICE FOR GUIDING METAL STRIPS WITH WEARING BODIES IN A FINISHING TRAIN**
[54] **DISPOSITIF DE GUIDAGE DE BANDES METALLIQUES DOTEES DE CORPS D'USURE DANS UNE CAGE DE LAMINOIR**
[72] MOSER, FRIEDRICH, AT
[72] GRABNER, WALTER, AT
[72] FRAUENHUBER, KLAUS, AT
[72] SCHIEFER, JUERGEN, AT
[71] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
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[72] AZZOLIN, GUIDO, IT
[72] AZZOLIN, DIEGO, IT
[71] MECCANICA BREGANZESE S.P.A. IN BREVE MB S.P.A., IT
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[54] **VIBRATION REDUCING DRILL STRING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAIN DE TIGES DE FORAGE REDUISANT LES VIBRATIONS**
[72] DZIEKONSKI, MITCHELL Z., US
[71] DZIEKONSKI, MITCHELL Z., US
[85] 2019-11-18
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[54] **METHOD FOR ESTIMATING A POSITION OF A MOBILE DEVICE USING GNSS SIGNALS**
[54] **PROCEDE D'ESTIMATION D'UNE POSITION D'UN DISPOSITIF MOBILE A L'AIDE DE SIGNAUX GNSS**
[72] JOOSTEN, PETER, NL
[72] BEERS, BART JOHANNES, NL
[71] CYCLOMEDIA TECHNOLOGY B.V., NL
[85] 2019-11-18
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[54] **METHODES ET COMPOSITIONS D'IMMUNOTHERAPIE CELLULAIRE**
[72] WEBSTER, KEVIN R., US
[72] SHARMA, RAJESH, US
[72] CHIANG, GARY, US
[71] EFFECTOR THERAPEUTICS, INC., US
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[54] **CART PUSHERS, MATEABLE CARTS, AND RELATED SYSTEMS, METHODS, AND DEVICES**
[54] **POUSSEURS DE CHARIOTS, CHARIOTS ENCASTRABLES, SYSTEMES, PROCEDES ET DISPOSITIFS ASSOCIES**
[72] JOHNSON, DAN, US
[72] DVORAK, ANDREW, US
[71] DANE TECHNOLOGIES, INC., US
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[54] **MULTIDIRECTIONAL VENT LIMITING DEVICES FOR USE WITH FLUID REGULATORS**
[54] **DISPOSITIFS LIMITEURS D'EVENT MULTIDIRECTIONNELS DESTINES A ETRE UTILISES AVEC DES REGULATEURS DE FLUIDE**
[72] FARAH, HODEN ALI, US
[72] PELFREY, ROY R., US
[72] NGUYEN, TUNG KIM, US
[72] CHERON, BRUNO JEAN MICHEL, US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
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[54] **A TEMPLATE AND A METHOD OF USING THE TEMPLATE**
[54] **GABARIT ET PROCEDE D'UTILISATION DU GABARIT**
[72] BROUWER, WILLIBRORDUS ADELBERTUS MARIA, NL
[71] IHC HOLLAND IE B.V., NL
[85] 2019-11-18
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[54] **PROCEDES DE FABRICATION ET D'UTILISATION D'INHIBITEURS DE PDE9**
[72] SVENSTRUP, NIELS, US
[72] ZHANG, JUN, CN
[72] SUN, JIKUI, CN
[72] CHEN, YUYIN, CN
[72] KONG, JIANSHE, US
[72] MA, RUJIAN, CN
[72] ZHANG, JUNHUA, CN
[72] QIN, LIANG, CN
[72] XIAO, HUANMING, CN
[72] SUN, JINXU, CN
[72] MENG, XIAO, CN
[72] SUN, FENGLAI, CN
[72] ZHU, JINGYANG, US
[71] IMARA INC., US
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[54] **DRY POWDER DELIVERY DEVICE AND METHODS OF USE**
[54] **DISPOSITIF D'ADMINISTRATION DE POUDRE SECHE ET PROCEDES D'UTILISATION**
[72] GERMINARIO, LOUIS THOMAS, US
[72] HEBRANK, JOHN H., US
[72] HUNTER, CHARLES ERIC, US
[71] PNEUMA RESPIRATORY, INC., US
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[54] **MODIFIED RELEASE PHARMACEUTICAL COMPOSITIONS OF HUPERZINE AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS PHARMACEUTIQUES A LIBERATION MODIFIEE D'HUPERZINE ET LEURS METHODES D'UTILISATION**
[72] COLLINS, STEPHEN D., US
[72] GOLDSTEIN, PETER, US
[72] JOHNSTONE, JOSHUA T., US
[71] BISCAYNE NEUROTHERAPEUTICS, INC., US
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[54] **BARRIERE CUTANEE COMPRENANT DES INGREDIENTS INOFFENSIFS POUR LA PEAU**
[72] UDAYAKUMAR, BETTAKERI S., US
[71] HOLLISTER INCORPORATED, US
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[51] **Int.Cl. E21B 7/06 (2006.01) E21B 4/02 (2006.01)**
[25] EN
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[54] **ENSEMBLES A INCURVATION REGLABLE DE FOND DE TROU**
[72] CLAUSEN, JEFFERY RONALD, US
[72] MARCHAND, NICHOLAS RYAN, CA
[71] NATIONAL OILWELL DHT, L.P., US
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[30] US (62/511,148) 2017-05-25
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[54] **DILUTION SKID AND INJECTION SYSTEM FOR SOLID/HIGH VISCOSITY LIQUID CHEMICALS**
[54] **PATIN DE DILUTION ET SYSTEME D'INJECTION POUR PRODUITS CHIMIQUES SOLIDES/LIQUIDES A VISCOSITE ELEVEE**
[72] FOUCHARD, DAVID MARC DANIEL, US
[72] GON, SAUGATA, US
[71] ECOLAB USA INC., US
[85] 2019-11-18
[86] 2018-05-23 (PCT/US2018/034113)
[87] (WO2018/217879)
[30] US (62/509,983) 2017-05-23

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **INJECTION SYSTEM FOR CONTROLLED DELIVERY OF SOLID OIL FIELD CHEMICALS**
[54] **SYSTEME D'INJECTION POUR L'ADMINISTRATION CONTROLEE DE PRODUITS CHIMIQUES SOLIDES POUR UNE EXPLOITATION PETROLIERE**
[72] FOUCHARD, DAVID MARC DANIEL, US
[72] GIBSON, DENISE LYNN, US
[72] GON, SAUGATA, US
[71] ECOLAB USA INC., US
[85] 2019-11-18
[86] 2018-05-23 (PCT/US2018/034126)
[87] (WO2018/217889)
[30] US (62/509,977) 2017-05-23

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[54] **DRIVING ASSISTANCE METHOD AND DRIVING ASSISTANCE APPARATUS**
[54] **PROCEDE ET DISPOSITIF D'AIDE A LA CONDUITE**
[72] AOKI, MOTONOBU, JP
[72] KOJO, NAOKI, JP
[72] TAKANO, HIROYUKI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-11-18
[86] 2017-05-18 (PCT/JP2017/018609)
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[51] **Int.Cl. A61K 31/616 (2006.01) A61K 9/08 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **IN-VIAL DEPOSITION OF A STABLE, STERILE AND CRYSTALLINE O-ACETYL SALICYLIC ACID (ASPIRIN)**
[54] **DEPOT EN FLACON D'ACIDE O-ACETYLSALICYLIQUE (ASPIRINE) STABLE, STERILE ET CRISTALLIN**
[72] PALEPU, NAGESH R., US
[71] RHOSHAN PHARMACEUTICALS, INC., US
[85] 2019-11-15
[86] 2018-05-29 (PCT/US2018/034866)
[87] (WO2018/222583)
[30] US (62/512,367) 2017-05-30

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[13] A1
[51] **Int.Cl. F16L 51/02 (2006.01) B01J 19/00 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **EXPANSION JOINT**
[54] **JOINT DE DILATATION**
[72] VAN DOOREN, PIET, BE
[72] CLYMANS, PETER, BE
[72] VAVIZOS, NIKOLAOS, AT
[72] JORDENS, MARC, BE
[72] WEBER, MATTHIAS, DE
[72] SECKNER, MARC, DE
[72] BETKE, HARALD, DE
[72] RITTERSHOFER, PETER, DE
[72] BALMER, BERT, DE
[72] SENGER, JOCHEN, DE
[72] OULAD ABDELLAH, ABDELKARIM, BE
[71] BOREALIS AG, AT
[85] 2019-11-18
[86] 2018-06-11 (PCT/EP2018/065254)
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[30] EP (17175959.0) 2017-06-14

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[25] EN
[54] **CBLB ENDONUCLEASE VARIANTS, COMPOSITIONS, AND METHODS OF USE**
[54] **VARIANTS DE L'ENDONUCLEASE CBLB , COMPOSITIONS ET PROCEDES D'UTILISATION**
[72] JARJOUR, JORDAN, US
[72] HAVENS, KYLE, US
[72] KROSTAG, ANNE-RACHEL, US
[71] BLUEBIRD BIO, INC., US
[85] 2019-11-18
[86] 2018-05-25 (PCT/US2018/034726)
[87] (WO2018/218194)
[30] US (62/511,194) 2017-05-25
[30] US (62/567,417) 2017-10-03

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[25] EN
[54] **INTEGRATION OF OXIDATIVE COUPLING OF METHANE PROCESSES**
[54] **INTEGRATION DE PROCEDES DE COUPLAGE OXYDANT DU METHANE**
[72] MCCORMICK, JAROD, US
[72] RADAELLI, GUIDO, US
[72] RAFIQUE, HUMERA ABDUL, US
[72] HIDAJAT, JAMES, US
[72] VUDDAGIRI, SRINIVAS R., US
[72] MILES, JOSHUA RYAN, US
[72] BLACK, RICHARD, US
[71] LUMMUS TECHNOLOGY LLC, US
[85] 2019-11-18
[86] 2018-05-23 (PCT/US2018/034184)
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[30] US (62/510,065) 2017-05-23
[30] US (62/536,876) 2017-07-25
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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **6-5 FUSED RINGS AS C5A INHIBITORS**
[54] **CYCLES 6-5 FUSIONNES UTILISES EN TANT QU'INHIBITEURS DE C5A**
[72] FAN, PINGCHEN, US
[72] LANGE, CHRISTOPHER W., US
[72] LUI, REBECCA M., US
[72] MALATHONG, VIENGKHAM, US
[72] MALI, VENKAT REDDY, US
[72] PUNNA, SREENIVAS, US
[72] SINGH, RAJINDER, US
[72] TANAKA, HIROKO, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2019-11-15
[86] 2018-05-29 (PCT/US2018/034905)
[87] (WO2018/222598)
[30] US (62/513,010) 2017-05-31

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[13] A1
[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/0775 (2010.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS OF MAKING AND USING EMBRYONIC MESENCHYMAL PROGENITOR CELLS**
[54] **PROCEDES DE PRODUCTION ET D'UTILISATION DE CELLULES PROGENITRICES MESENCHYMATEUSES EMBRYONNAIRES**
[72] GSCHWENG, ERIC, US
[72] RODRIGUEZ, RUBEN, US
[72] OUYANG, YONG, US
[71] KITE PHARMA, INC., US
[85] 2019-11-18
[86] 2018-05-25 (PCT/US2018/034567)
[87] (WO2018/218105)
[30] US (62/511,907) 2017-05-26
[30] US (62/514,467) 2017-06-02

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[25] EN
[54] **FLAME RETARDANT CLEAR COATINGS FOR BUILDING PANELS**
[54] **REVETEMENTS TRANSPARENTS IGNIFUGES DESTINES A DES PANNEAUX DE CONSTRUCTION**
[72] HUGHES, JOHN E., US
[72] WANG, MICHELLE X., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2019-11-18
[86] 2018-05-31 (PCT/US2018/035338)
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[30] US (62/513,115) 2017-05-31

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[51] **Int.Cl. G03B 21/62 (2014.01)**
[25] FR
[54] **DARK-COLOURED OR BLACK PROJECTION SCREEN**
[54] **ECRAN DE PROJECTION DE COULEUR FONCEE OU NOIR**
[72] OZANAM, CECILE, FR
[72] GAYOUT, PATRICK, FR
[72] MIMOUN, EMMANUEL, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-11-18
[86] 2018-06-05 (PCT/FR2018/051296)
[87] (WO2018/224766)
[30] FR (1755047) 2017-06-07

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[25] EN
[54] **SOLUTION FOR PROCESSING MACHINES**
[54] **FORMULATION LIQUIDE POUR MACHINE DE TRAITEMENT**
[72] IENAGA, HIROFUMI, JP
[72] TAKEUCHI, TARO, JP
[72] INAGAKI, HIDEKAZU, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[71] MORESCO CORPORATION, JP
[85] 2019-11-18
[86] 2018-05-15 (PCT/JP2018/018823)
[87] (WO2018/216559)
[30] JP (2017-103528) 2017-05-25

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[51] **Int.Cl. C22C 21/08 (2006.01) C22C 21/02 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH CORROSION-RESISTANT 6XXX SERIES ALUMINUM ALLOYS AND METHODS OF MAKING THE SAME**
[54] **ALLIAGES D'ALUMINIUM DE SERIE 6XXX RESISTANTS A LA CORROSION, A HAUTE RESISTANCE, ET PROCEDES DE FABRICATION ASSOCIES**
[72] DAS, SAZOL KUMAR, US
[72] KAMAT, RAJEEV G., US
[72] FELBERBAUM, MILAN, US
[71] NOVELIS INC., US
[85] 2019-11-18
[86] 2018-05-25 (PCT/US2018/034572)
[87] (WO2018/218108)
[30] US (62/511,703) 2017-05-26

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/17 (2006.01)**
[25] EN
[54] **PD-1 AND CTLA-4 DUAL INHIBITOR PEPTIDES**
[54] **PEPTIDES D'INHIBITEURS DOUBLES DE PD-1 ET CTLA-4**
[72] GUTIERREZ, GABRIEL M., US
[72] KOTRAIAH, VINAYAKA, US
[72] PHARES, TIMOTHY, US
[72] PANNUCCI, JAMES, US
[71] LEIDOS, INC., US
[85] 2019-11-18
[86] 2018-05-25 (PCT/US2018/034625)
[87] (WO2018/218137)
[30] US (62/510,900) 2017-05-25

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[13] A1
[51] **Int.Cl. C25D 5/16 (2006.01) C23C 28/00 (2006.01) C25D 5/18 (2006.01) C25D 5/26 (2006.01) C25D 7/00 (2006.01) C25D 11/38 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR CANS, AND PRODUCTION METHOD THEREFOR**
[54] **TOLE D'ACIER POUR BOITES METALLIQUES ET PROCEDE DE PRODUCTION ASSOCIE**
[72] NAKAGAWA, YUSUKE, JP
[72] SUZUKI, TAKESHI, JP
[72] SUTO, MIKITO, JP
[72] KOJIMA, KATSUMI, JP
[72] BABA, YUYA, JP
[72] SOU, HANYOU, JP
[72] YAMANAKA, YOICHIRO, JP
[72] TOKUI, SHUNSUKE, JP
[71] JFE STEEL CORPORATION, JP
[85] 2019-11-18
[86] 2018-06-05 (PCT/JP2018/021548)
[87] (WO2018/225726)
[30] JP (2017-114531) 2017-06-09

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **5-5 FUSED RINGS AS C5A INHIBITORS**
[54] **CYCLES 5-5 FUSIONNES UTILISES EN TANT QU'INHIBITEURS DE C5A**
[72] FAN, PINGCHEN, US
[72] LANGE, CHRISTOPHER W., US
[72] LUI, REBECCA M., US
[72] MALATHONG, VIENGKHAM, US
[72] MALI, VENKAT REDDY, US
[72] PUNNA, SREENIVAS, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2019-11-18
[86] 2018-05-29 (PCT/US2018/034908)
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[30] US (62/513,025) 2017-05-31

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[51] **Int.Cl. B25J 9/04 (2006.01) B25J 9/10 (2006.01) B25J 9/12 (2006.01) B25J 9/16 (2006.01) B25J 19/06 (2006.01) G05B 19/4061 (2006.01) G05B 19/4062 (2006.01)**
[25] EN
[54] **COLLABORATIVE ROBOT**
[54] **ROBOT COLLABORATIF**
[72] CARLISLE, BRIAN, US
[72] SHIMANO, BRUCE, US
[71] PRECISE AUTOMATION, INC., US
[85] 2019-11-18
[86] 2018-06-08 (PCT/US2018/036669)
[87] (WO2018/227096)
[30] US (15/618,525) 2017-06-09
[30] US (15/682,632) 2017-08-22
[30] US (15/981,047) 2018-05-16

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[51] **Int.Cl. B01D 53/06 (2006.01) C01B 32/50 (2017.01) B01D 53/26 (2006.01) B01D 53/62 (2006.01) B01D 53/83 (2006.01) B01D 53/96 (2006.01) B01J 20/22 (2006.01) B01J 20/28 (2006.01) B01J 20/34 (2006.01)**
[25] EN
[54] **GAS RECOVERY AND CONCENTRATION DEVICE**
[54] **PROCEDE DE CONCENTRATION ET DE RECUPERATION DE GAZ**
[72] OKANO, HIROSHI, JP
[71] KABUSHIKI-GAISYA SEIBU-GIKEN, JP
[85] 2019-11-18
[86] 2018-06-07 (PCT/JP2018/021887)
[87] (WO2019/012873)
[30] JP (2017-135113) 2017-07-11

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[51] **Int.Cl. A61F 2/06 (2013.01) A61F 2/848 (2013.01) A61F 2/86 (2013.01) A61F 2/88 (2006.01) A61F 2/90 (2013.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR TREATING NEUROVASCULAR COMPRESSION**
[54] **SYSTEME ET METHODES POUR LE TRAITEMENT D'UNE COMPRESSION NEUROVASCULAIRE**
[72] MAROSFOI, MIKLOS, US
[72] GOUNIS, MATTHEW, US
[72] WAKHLOO, AJAY K., US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2019-11-18
[86] 2018-05-30 (PCT/US2018/035133)
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[30] US (62/512,289) 2017-05-30

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[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) A47J 37/06 (2006.01)**
[25] EN
[54] **KAMADO-STYLE GRILL ASSEMBLIES INCLUDING HEAT SPREADERS AND/OR SUPPORT BRACKETS**
[54] **ENSEMBLES GRIL DU TYPE KAMADO COMPRENANT DES DISSIPATEURS THERMIQUES ET/OU DES SUPPORTS**
[72] WALTERS, JON SCOTT, US
[72] FENG, FU DU, CN
[71] PHASE 2, LLC, US
[85] 2019-11-18
[86] 2017-05-18 (PCT/US2017/033334)
[87] (WO2017/201290)
[30] US (62/338,196) 2016-05-18
[30] US (15/428,717) 2017-02-09

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[13] A1
[51] **Int.Cl. C07D 495/10 (2006.01)**
[25] EN
[54] **METHODS FOR THE PREPARATION OF 1,3-BENZODIOXOLE HETEROCYCLIC COMPOUNDS**
[54] **PROCEDES POUR LA PREPARATION DE COMPOSES HETEROCYCLIQUES 1,3-BENZODIOXOLE**
[72] DAHL, ALLAN CARSTEN, DK
[72] BAJTNER, JOHAN ERIKSSON, DK
[72] OLSEN, ESBEN PAUL KROGH, DK
[72] METZLER, BJORN, DK
[71] LEO PHARMA A/S, DK
[85] 2019-11-18
[86] 2018-06-19 (PCT/EP2018/066229)
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[30] EP (17176767.6) 2017-06-20

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[13] A1
[51] **Int.Cl. A21D 13/00 (2017.01) A21D 8/02 (2006.01)**
[25] EN
[54] **SCORED PRETZEL BITE APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE BOUCHEES DE BRETZEL ENTAILLEES**
[72] GOTTENBUSCH, GARY, US
[72] KROSS, DONALD K., US
[71] DITSCH USA, LLC, US
[85] 2019-11-18
[86] 2018-12-18 (PCT/US2018/066252)
[87] (WO2019/126183)
[30] US (62/608,097) 2017-12-20

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[13] A1
[51] **Int.Cl. E04B 1/94 (2006.01) C09D 7/40 (2018.01) C09D 7/61 (2018.01) C09D 7/63 (2018.01) C09D 1/02 (2006.01) C09D 5/18 (2006.01)**
[25] EN
[54] **FLAME RETARDANT CLEAR COATINGS FOR BUILDING PANELS**
[54] **REVETEMENTS CLAIRS IGNIFUGES POUR PANNEAUX DE CONSTRUCTION**
[72] HUGHES, JOHN E., US
[72] ZHANG, LINZHU, US
[72] WANG, MICHELLE X., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2019-11-18
[86] 2018-05-31 (PCT/US2018/035352)
[87] (WO2018/222843)
[30] US (62/513,126) 2017-05-31

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[13] A1
[51] **Int.Cl. C12N 15/31 (2006.01) C07K 14/395 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 15/81 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **IMPROVED PROTEIN EXPRESSION STRAINS**
[54] **SOUCHES AMELIOREES POUR L'EXPRESSION DE PROTEINES**
[72] FINNIS, CHRISTOPHER JOHN ARTHUR, GB
[72] NORDEIDE, PER KRISTOFFER, DK
[72] MCLAUGHLAN, JENNIFER MARY, GB
[71] ALBUMEDIX LTD, GB
[85] 2019-11-18
[86] 2018-06-20 (PCT/EP2018/066344)
[87] (WO2018/234349)
[30] EP (17176932.6) 2017-06-20

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[13] A1
[51] **Int.Cl. A01G 25/16 (2006.01) G06N 20/00 (2019.01) A01G 25/09 (2006.01) B05B 3/18 (2006.01) G05B 13/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IRRIGATION MANAGEMENT USING MACHINE LEARNING WORKFLOWS**
[54] **SYSTEME ET PROCEDE DE GESTION D'IRRIGATION FAISANT APPEL A DES FLUX DE TRAVAUX D'APPRENTISSAGE AUTOMATIQUE**
[72] LARUE, JACOB L., US
[72] CARRITT, ANDREW, US
[72] DIXON, JOSHUA M., US
[71] VALMONT INDUSTRIES, INC., US
[85] 2019-11-18
[86] 2018-05-31 (PCT/US2018/035400)
[87] (WO2018/222875)
[30] US (62/513,479) 2017-06-01

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[13] A1
[51] **Int.Cl. A47C 21/04 (2006.01)**
[25] EN
[54] **AIR SYSTEM FOR A BED**
[54] **SYSTEME D'AIR DESTINE A UN LIT**
[72] GRIFFITH, MATTHEW, US
[72] NEGUS, NATALIE, US
[72] ROSE, ERIC, US
[72] KARSCHNIK, KODY LEE, US
[71] SLEEP NUMBER CORPORATION, US
[85] 2019-11-18
[86] 2018-08-23 (PCT/US2018/047743)
[87] (WO2019/040741)
[30] US (15/684,503) 2017-08-23

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[13] A1
[51] **Int.Cl. C12P 7/06 (2006.01) C12N 1/16 (2006.01) C12P 7/10 (2006.01)**
[25] EN
[54] **IMPROVED YEAST FOR ETHANOL PRODUCTION**
[54] **LEVURE AMELIOREE POUR LA PRODUCTION D'ETHANOL**
[72] HOGSETT, DAVID, US
[72] TASSONE, MONICA, US
[72] HARRIS, PAUL VINCENT, US
[72] SOONG, CHEE-LEONG, US
[72] CATLETT, MICHAEL GLENN, US
[71] NOVOZYMES A/S, DK
[85] 2019-11-18
[86] 2018-06-01 (PCT/US2018/035596)
[87] (WO2018/222990)
[30] US (62/514,636) 2017-06-02

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[13] A1
[51] **Int.Cl. C10L 5/44 (2006.01) C10L 5/32 (2006.01) C10L 5/36 (2006.01)**
[25] EN
[54] **STRUCTURED COMPOSITE WOOD PELLETS FOR DUST/FINES MITIGATION AND METHOD OF PRODUCING THEM**
[54] **GRANULES DE BOIS COMPOSITES STRUCTURES POUR REDUIRE LA POUSSIERE/FINES ET LEUR PROCEDE DE PRODUCTION**
[72] CHEN, FRANK BOR-HER, US
[72] NAOULI, NABIL, US
[72] WILLIAMS, PAUL A., US
[71] ARR-MAZ PRODUCTS, L.P., US
[85] 2019-11-18
[86] 2018-06-01 (PCT/US2018/035647)
[87] (WO2018/231552)
[30] US (62/518,723) 2017-06-13
[30] US (15/990,205) 2018-05-25

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[13] A1
[51] **Int.Cl. A61B 5/06 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01) A61B 8/13 (2006.01)**
[25] EN
[54] **MULTI-STAGE TRANS-IMPEDANCE AMPLIFIER (TIA) FOR AN ULTRASOUND DEVICE**
[54] **AMPLIFICATEUR TRANSIMPEDANCE (TIA) A ETAGES MULTIPLES POUR UN DISPOSITIF A ULTRASONS**
[72] SINGH, AMANDEEP, US
[72] CHEN, KAILIANG, US
[72] RALSTON, TYLER S., US
[71] BUTTERFLY NETWORK, INC., US
[85] 2019-11-18
[86] 2018-06-19 (PCT/US2018/038147)
[87] (WO2018/236778)
[30] US (62/522,597) 2017-06-20

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[13] A1
[51] **Int.Cl. D21H 11/00 (2006.01) D21H 11/16 (2006.01) D21J 3/00 (2006.01)**
[25] EN
[54] **PULP MIXTURE**
[54] **MELANGE DE PATE A PAPIER**
[72] RAUVANTO, IRINA, FI
[72] HILDEN, LARS, SE
[71] BILLERUDKORSNAS AB, SE
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[54] **EXTRAITS D'ARTHROSPIRA ET LEURS UTILISATIONS**
[72] ILAG, LEODEVICO L., AU
[72] JOHNSTON, PETER OWEN, AU
[71] BIOVITE AUSTRALIA PTY LTD., AU
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[54] **PRIORITIZATION OF GENETIC MODIFICATIONS TO INCREASE THROUGHPUT OF PHENOTYPIC OPTIMIZATION**
[54] **HIERARCHISATION DE MODIFICATIONS GENETIQUES POUR AUGMENTER LE RENDEMENT DE L'OPTIMISATION PHENOTYPIQUE**
[72] CHOWDHURY, ANUPAM, US
[72] ENYEART, PETER, US
[72] FLASHMAN, MICHAEL, US
[72] SHEARER, ALEXANDER, US
[72] THORN, KURT, US
[71] ZYMERGEN INC., US
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[54] **METHODS AND KITS RELATING TO THE CAPTURE OF CA-IX POSITIVE EXOSOMES**
[54] **PROCEDES ET KITS RELATIFS A LA CAPTURE D'EXOSOMES POSITIFS AUX CA-IX**
[72] CHIESI, ANTONIO, IT
[72] ZAROVNI, NATASA, IT
[72] ZOCCO, DAVIDE, IT
[71] EXOSOMICS S.P.A., IT
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[54] **SELECTION ET UTILISATION DE FRACTIONS DE CELLULES DE CORDON OMBILICAL APPROPRIEES POUR LA TRANSPLANTATION**
[72] PELED, TONY, IL
[72] GALAMIDI COHEN, EINAT, IL
[72] SNYDER, DAVID, IL
[71] GAMIDA-CELL LTD., IL
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[54] **AUTO INJECTOR WITH RECONSTITUTION HANDLING SUPPORT**
[54] **AUTO-INJECTEUR A SUPPORT D'EMPLOI DE RECONSTITUTION**
[72] JENSEN, STEEN, DK
[72] EGESBORG, HENRIK, DK
[72] ANDERSEN, BJORN KNUD, DK
[72] LARSEN, MARTIN NORGAARD, DK
[72] ELKJER, JOHNNY, DK
[71] ASCENDIS PHARMA A/S, DK
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[54] **SIGNALISATION D'INDICATEUR DE FORMAT DE CRENEAU DANS DES SYSTEMES DE COMMUNICATION SANS FIL**
[72] LEE, HEECHOON, US
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[72] JI, TINGFANG, US
[71] QUALCOMM INCORPORATED, US
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[54] **SNAP ATTACHMENT FOR CAPS**
[54] **FIXATION PAR ENCLENCHEMENT DESTINEE A DES CAPUCHONS**
[72] ELDRIDGE, MATTHEW RYAN, CA
[72] BAKICH, SYDNEY DIANE, US
[71] SNAPS VENTURES, INC., US
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[54] **APPARATUS, SYSTEM AND METHOD FOR FLUID DELIVERY**
[54] **APPAREIL, SYSTEME ET PROCEDE D'ADMINISTRATION D'UN FLUIDE**
[72] GRANT, KEVIN L., US
[72] LANIGAN, RICHARD J., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[54] **POWDER MIXTURE FOR POWDER METALLURGY AND METHOD OF MANUFACTURING SAME**
[54] **MELANGE DE POUDRE POUR METALLURGIE DES POUDRES ET SON PROCEDE DE FABRICATION**
[72] UNAMI, SHIGERU, JP
[72] OYA, MASATO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2019-11-18
[86] 2018-06-12 (PCT/JP2018/022447)
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[25] EN
[54] **AIRCRAFT PROPULSION SYSTEM, METHOD OF MANUFACTURE AND USE THEREOF**
[54] **SYSTEME DE PROPULSION D'AERONEF, PROCEDE DE FABRICATION ET D'UTILISATION ASSOCIE**
[72] ROTHERHAM, JAMES JOSEPH, GB
[71] ROTHERHAM, JAMES JOSEPH, GB
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[25] EN
[54] **METHODS OF INHIBITING AGING AND TREATING AGING-RELATED DISORDERS**
[54] **METHODES D'INHIBITION DU VIEILLISSEMENT ET DE TRAITEMENT DE TROUBLES LIES AU VIEILLISSEMENT**
[72] BRODIE, CHAYA, US
[72] BRODIE, AHARON, US
[71] EXOSTEM BIOTEC LTD., IL
[85] 2019-11-18
[86] 2018-05-16 (PCT/IL2018/050538)
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[25] EN
[54] **FOOD LOG SLICING APPARATUS FOR SLICING MULTIPLE LAYERS OF STACKED FOOD LOGS**
[54] **APPAREIL DE TRANCHAGE DE BOUDINS DE PRODUIT ALIMENTAIRE DESTINE A TRANCHER DE MULTIPLES COUCHES DE BOUDINS DE PRODUIT ALIMENTAIRE EMPILES**
[72] ERNE, WOUTER BART, US
[72] BIALY, JURGEN RUDOLF, DE
[71] PROVISUR TECHNOLOGIES, INC., US
[85] 2019-11-18
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[54] **BACKPACK WITH MAGNETIC HYDRATION TUBE RETURN**
[54] **SAC A DOS A EAU DOTE D'UN RETOUR DE TUBE D'HYDRATATION MAGNETIQUE**
[72] HASSETT, ERIC, US
[72] NOFFSINGER, DERICK, US
[72] THIBADEAU, MARK, US
[71] THULE, INC., US
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[54] **COMPUTATIONAL IMAGING OF THE ELECTRIC GRID**
[54] **IMAGERIE INFORMATIQUE DU RESEAU ELECTRIQUE**
[72] SHEININ, MARK, IL
[72] SCHECHNER, YOAV, IL
[72] KUTULAKOS, KIRIAKOS NEOKLIS, CA
[72] LEVRON, YOASH, IL
[71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED, IL
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **FATTY ACID AMIDES AND USES THEREOF IN THE TREATMENT OF ADDICTION DISORDER AND ADDICTION RELATED CONDITIONS**
[54] **AMIDES D'ACIDES GRAS ET LEURS UTILISATIONS DANS LE TRAITEMENT DE TROUBLES DE LA DEPENDANCE ET D'ETATS LIES A LA DEPENDANCE**
[72] MECHOULAM, RAPHAEL, IL
[72] DI MARZO, VINCENZO, IT
[72] PISCITELLI, FABIANA, IT
[72] LICHTMAN, ARON H., US
[72] DAMAJ, IMAD M., US
[72] PARKER, LINDA, CA
[72] YAKA, RAMI, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSAM LTD., IL
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
[71] UNIVERSITY OF GUELPH, CA
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[54] **METHODS FOR MODIFYING ENDOPLASMIC RETICULUM PROCESSING OF PROTEIN**
[54] **PROCEDES DE MODIFICATION DU TRAITEMENT D'UNE PROTEINE DANS LE RETICULUM ENDOPLASMIQUE**
[72] GOLDBERG, JONATHAN, US
[72] GOLDBERG, ELENA, US
[72] MA, WENFU, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[54] **METHODS OF TREATMENT FOR CERVICAL DYSTONIA**
[54] **PROCEDES DE TRAITEMENT DE LA DYSTONIE CERVICALE**
[72] RUEGG, CURTIS L., US
[72] WAUGH, JACOB M., US
[71] REVANCE THERAPEUTICS, INC., US
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[54] **SYSTEMS AND METHODS FOR TREATING SKIN**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE LA PEAU**
[72] BOINAGROV, DAVID, US
[72] HOBART, JAMES L., US
[72] NEGUS, DANIEL K., US
[72] HECHT, HARTMUTH, US
[72] GARCIA, FRANK, US
[71] SCITON, INC., US
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[54] **GATE FOR CONTROLLING ONCOMING TRAFFIC ON A ROADWAY**
[54] **PORTE POUR COMMANDER LE TRAFIC ARRIVANT SUR UNE ROUTE**
[72] MENIER, JEAN-FRANCOIS, CA
[72] SHEBIB LOISELLE, VINCENT, CA
[72] GENDRON, NICHOLAS, CA
[71] MENIER, JEAN-FRANCOIS, CA
[71] SHEBIB LOISELLE, VINCENT, CA
[71] GENDRON, NICHOLAS, CA
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[54] **IMAGING SIGNAL EXTRACTION APPARATUS AND METHODS OF USING SAME**
[54] **APPAREIL D'EXTRACTION DE SIGNAL D'IMAGERIE ET SES PROCEDES D'UTILISATION**
[72] VAZIRI, ALIPASHA, US
[72] NOEBAUER, TOBIAS, US
[72] SKOCEK, OLIVER, US
[71] THE ROCKEFELLER UNIVERSITY, US
[85] 2019-11-18
[86] 2018-05-18 (PCT/US2018/033417)
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[54] **CCL2 INHIBITORS**
[54] **INHIBITEURS DE CCL2**
[72] KOVACS, BRUCE, US
[72] SHAHBAHRAMI, KAMRON, US
[72] NICOLA, GEORGE, US
[71] AFECTA PHARMACEUTICALS, INC., US
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[54] **HIGH PRODUCTIVITY METHANE FERMENTATION PROCESSES**
[54] **PROCEDES DE FERMENTATION DU METHANE A HAUTE PRODUCTIVITE**
[72] HICKEY, ROBERT F., US
[72] MORSE, MARGARET CATHERINE, US
[72] PIEJA, ALLISON J., US
[71] MANGO MATERIALS, INC., US
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[86] 2018-05-18 (PCT/US2018/033423)
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[25] EN
[54] **AMINOTHIAZOLE COMPOUNDS AS PROTEIN KINASE INHIBITORS**
[54] **COMPOSES AMINOTHIAZOLES UTILISES COMME INHIBITEURS DE PROTEINE KINASE**
[72] SHIH, CHUAN, US
[72] JIAANG, WEIR-TOM, TW
[72] TSAI, HUI-JEN, TW
[71] SHIH, CHUAN, US
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
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[86] 2018-06-13 (PCT/US2018/037221)
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[13] A1
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[25] EN
[54] **ALGORITHMIC APPROACH FOR ESTIMATION OF RESPIRATION AND HEART RATES**
[54] **APPROCHE ALGORITHMIQUE POUR L'ESTIMATION DES RYTHMES RESPIRATOIRE ET CARDIAQUE**
[72] EL BARDAN, RAGHED A., US
[72] MALAVIYA, DHAVAL, US
[72] DI RIENZO, ALBERT, US
[71] ONE HEALTH GROUP, LLC, US
[85] 2019-11-18
[86] 2018-05-18 (PCT/US2018/033477)
[87] (WO2018/213757)
[30] US (62/508,247) 2017-05-18
[30] US (15/982,890) 2018-05-17

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[13] A1
[51] **Int.Cl. A24D 3/02 (2006.01) A24F 47/00 (2006.01)**
[25] EN
[54] **TOBACCO-CONTAINING CONSUMABLE FOR AEROSOL GENERATING DEVICES**
[54] **CONSOMMABLES CONTENANT DU TABAC POUR DISPOSITIFS DE GENERATION D'AEROSOL**
[72] MCLAUGHLIN, DAVID, GB
[72] HOPPS, JASON, GB
[71] ELUCID8 HOLDINGS LTD., GB
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[54] **SYSTEMS AND METHODS FOR GROWTH OF INTESTINAL CELLS**
[54] **SYSTEMES ET METHODES DE CROISSANCE DE CELLULES INTESTINALES**
[72] BARRETT, ROBERT, US
[72] SVENDSEN, CLIVE, US
[72] TARGAN, STEPHAN R., US
[72] WORKMAN, MICHAEL, US
[72] SAREEN, DHRUV, US
[71] CEDARS-SINAI MEDICAL CENTER, US
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[25] EN
[54] **MICROFABRICATED ULTRASONIC TRANSDUCER HAVING INDIVIDUAL CELLS WITH ELECTRICALLY ISOLATED ELECTRODE SECTIONS**
[54] **TRANSDUCTEUR A ULTRASONS MICROFABRIQUE AYANT DES CELLULES INDIVIDUELLES COMPORTANT DES SECTIONS D'ELECTRODE ELECTRIQUEMENT ISOLEES**
[72] ALIE, SUSAN A., US
[72] FIFE, KEITH G., US
[72] LUTSKY, JOSEPH, US
[72] GROSJEAN, DAVID, US
[71] BUTTERFLY NETWORK, INC., US
[85] 2019-11-18
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[30] US (62/522,875) 2017-06-21

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[25] EN
[54] **A DOWNHOLE GRAVEL PACKING APPARATUS AND METHOD**
[54] **APPAREIL DE FILTRE A GRAVIERS DE FOND ET PROCEDE**
[72] GREEN, ANNABEL, GB
[72] WEBSTER, OLIVER, GB
[71] SWELLFIX UK LIMITED, GB
[85] 2019-11-18
[86] 2018-06-13 (PCT/GB2018/051616)
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[30] GB (1709421.0) 2017-06-14

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[25] EN
[54] **TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS**
[54] **CAPTEURS DE SUBSTANCE A ANALYSER TRANSCUTANES, APPLICATEURS CORRESPONDANTS ET PROCEDES ASSOCIES**
[72] GRAY, JOHN MICHAEL, US
[72] BLACKWELL, JENNIFER, US
[72] NEALE, PAUL V., US
[72] ENGLAND, JUSTEN DEERING, US
[72] JONCICH, ANDREW, US
[72] BROCK, CAMERON, US
[72] SIMPSON, PETER C., US
[72] METZMAKER, THOMAS, US
[72] SHAH, NEEL, US
[72] KEMPKEY, MARK DOUGLAS, US
[72] CASTAGNA, PATRICK JOHN, US
[72] TERRY, WARREN, US
[72] HALAC, JASON, US
[72] GEORGE, CHRISTIAN MICHAEL ANDRE, US
[72] APACIBLE, DANIEL E., US
[72] BARRY, JOHN CHARLES, US
[72] WELLS, MARIA NOEL BROWN, US
[72] PIRONDINI, KENNETH, US
[72] REINHARDT, ANDREW MICHAEL, US
[72] WONG, JASON C., US
[72] GAGNON, REMY E., US
[72] DERENZY, DAVID, US
[72] KOPLIN, RANDALL SCOTT, US
[72] BALDWIN, ALAN, US
[72] LEE, YOUNG WOO, US
[72] KELLER, DAVID A., US
[72] HEUVEL, LOUISE EMMA VAN DEN, US
[72] SUTHERLAND, CAROL WOOD, US
[71] DEXCOM, INC., US
[85] 2019-11-18
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[54] **DYNAMIC PADDING FIELD TO MATCH DOWNLINK AND UPLINK DOWNLINK CONTROL INFORMATION LENGTH**
[54] **CHAMP DE REMPLISSAGE DYNAMIQUE DESTINE A FAIRE CORRESPONDRE DES LONGUEURS DE LIAISON MONTANTE ET DE LIAISON DESCENDANTE D'INFORMATIONS DE COMMANDE DE LIAISON DESCENDANTE**
[72] SUN, JING, US
[72] GUPTA, PIYUSH, US
[72] CHEN, WANSHI, US
[72] LEE, HEECHOON, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-18
[86] 2018-06-22 (PCT/US2018/039124)
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[30] US (62/524,355) 2017-06-23
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[25] EN
[54] **CELLULOSIC PULP INTERNAL CURING AGENT FOR A HYDRAULIC CEMENT-BASED COMPOSITE MATERIAL**
[54] **AGENT DE DURCISSEMENT INTERNE DE PATE CELLULOSIQUE POUR MATERIAU COMPOSITE A BASE DE CIMENT HYDRAULIQUE**
[72] BICHO, PAUL ALEXANDRE, CA
[72] WATSON, PAUL ANDREW, NZ
[72] ONUAGULUCHI, OBINNA, CA
[72] BANTHIA, NEMKUMAR, CA
[71] CANFOR PULP LTD., CA
[85] 2019-11-19
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[51] **Int.Cl. A61N 5/06 (2006.01) A61K 41/00 (2006.01) C12N 13/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **DEVICES AND PROCESSES FOR CHERENKOV-ACTIVATED NUCLEAR-TARGETED PHOTODYNAMIC THERAPY**
[54] **DISPOSITIFS ET PROCEDES POUR UNE THERAPIE PHOTODYNAMIQUE A CIBLAGE NUCLEAIRE ACTIVEE PAR TCHERENKOV**
[72] WILSON, BRIAN C., CA
[72] ALLEN, CHRISTINE, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2019-11-19
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[54] **BRACKET FOR USE WITH WALL OBJECTS**
[54] **SUPPORT DESTINE A ETRE UTILISE AVEC DES OBJETS MURAUX**
[72] KRAKE, KELLY R., CA
[72] TOUSIGNANT, LIETTE, CA
[72] KURTZ, MICHAEL, CA
[72] CAMPANA, IAN MATTHEW, CA
[71] UNDER THE ROOF DECORATING INC., CA
[85] 2019-11-19
[86] 2017-12-19 (PCT/CA2017/051539)
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[25] EN
[54] **SYSTEM AND APPARATUS FOR PERFORMANCE MONITORING**
[54] **SYSTEME ET APPAREIL DE SUIVI DES PERFORMANCES**
[72] LOWE, JOHN, CA
[72] WRIGHT, BRUCE, CA
[72] ABBADI-MACINTOSH, ADILE, CA
[71] SCORCHED ICE INC., CA
[85] 2019-11-19
[86] 2018-06-12 (PCT/CA2018/000116)
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[25] EN
[54] **CELLULOSE FILAMENTS REINFORCED CEMENT COMPOSITE BOARD AND METHOD FOR THE MANUFACTURE OF THE SAME**
[54] **PANNEAU COMPOSITE DE CIMENT RENFORCE PAR DES FILAMENTS DE CELLULOSE ET SON PROCEDE DE PRODUCTION**
[72] CAI, XIAOLIN, CA
[72] BEN, YUXIA, CA
[72] HUA, XUJUN, CA
[72] RICARD, MICHELLE, CA
[72] LAROUCHE, CAROLE, CA
[72] WANG, XIANG-MING, CA
[71] FPINNOVATIONS, CA
[85] 2019-11-19
[86] 2018-05-18 (PCT/CA2018/050586)
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[30] US (62/508,545) 2017-05-19

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[25] EN
[54] **FATTY ACID DERIVATIVES AND THEIR USE**
[54] **DERIVES D'ACIDES GRAS ET UTILISATION ASSOCIEE**
[72] KEYES, GREGORY, US
[72] RAMSDEN, CHRISTOPHER, US
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE PARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2019-11-18
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[54] **SNORKEL WITH BUOYANT SUPPORT**
[54] **SCHNORKEL A SUPPORT FLOTTANT**
[72] SCHEEPERS, ANTHONY, CA
[71] SCHEEPERS, ANTHONY, CA
[85] 2019-11-15
[86] 2018-03-26 (PCT/CA2018/050365)
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[25] EN
[54] **METHOD OF TREATING RESPIRATORY TRACT INFECTION**
[54] **METHODE DE TRAITEMENT D'UNE INFECTION DES VOIES RESPIRATOIRES**
[72] MORAES, THEO, CA
[72] POST, MARTIN, CA
[72] CEN, YUCHEN, CA
[72] LITVACK, MICHAEL, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2019-11-19
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[51] **Int.Cl. H04W 24/10 (2009.01) H04W 88/06 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] YANG, NING, CN
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-19
[86] 2017-06-15 (PCT/CN2017/088485)
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[51] **Int.Cl. C07D 207/12 (2006.01) A61K 31/40 (2006.01) A61P 25/00 (2006.01) C07C 57/15 (2006.01)**
[25] EN
[54] **(+)-3-(2,3-DIFLUOROPHENYL)-3-METHOXYPYRROLIDINE OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF, A PROCESS FOR PREPARATION THEREOF AND USES THEREOF**
[54] **(+)-3-(2,3-DIFLUOROPHENYL)-3-METHOXYPYRROLIDINE OU SES SELS PHARMACEUTIQUEMENT ACCEPTABLES, SON PROCEDE DE PREPARATION ET SES UTILISATIONS**
[72] SONESSON, CLAS, SE
[72] BUKSA, MAIJA, LV
[72] REINE, INESE, LV
[71] INTEGRATIVE RESEARCH LABORATORIES SWEDEN AB, SE
[85] 2019-11-19
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[25] EN
[54] **METHOD AND DEVICE FOR RECOMMENDING INFORMATION**
[54] **PROCEDE ET DISPOSITIF DE RECOMMANDATION D'INFORMATIONS**
[72] XU, JIANGYI, CN
[71] 10353744 CANADA LTD., CA
[85] 2019-11-19
[86] 2017-12-29 (PCT/CN2017/119939)
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[25] EN
[54] **MOUNTING RAIL**
[54] **RAIL DE MONTAGE**
[72] EVANS, JONATHAN, GB
[71] ASH & LACY HOLDINGS LIMITED, GB
[85] 2019-11-18
[86] 2018-06-18 (PCT/GB2018/051685)
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[25] EN
[54] **METHOD FOR MANUFACTURING A COMPOSTABLE PLATE**
[54] **PROCEDE DE FABRICATION D'UNE PLAQUE COMPOSTABLE**
[72] CLARICHETTI, GIANLUCA, IT
[71] CLARICHETTI, GIANLUCA, IT
[85] 2019-11-19
[86] 2018-05-30 (PCT/EP2018/064284)
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[51] **Int.Cl. G07F 17/12 (2006.01)**
[25] EN
[54] **SMART CABINET SYSTEM AND CONTROL METHOD THEREFOR**
[54] **SYSTEME D'ARMOIRE INTELLIGENTE ET SON PROCEDE DE COMMANDE**
[72] WEI, TAO, CN
[72] HUANG, BINWU, CN
[72] WU, HENGYUAN, CN
[71] WEI, TAO, CN
[71] HUANG, BINWU, CN
[71] WU, HENGYUAN, CN
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[51] **Int.Cl. C07K 14/195 (2006.01) A01N 63/02 (2006.01) A01P 1/00 (2006.01) A23L 3/3463 (2006.01) A23L 3/3526 (2006.01) A23L 3/3535 (2006.01) A23L 3/3544 (2006.01) A61K 38/16 (2006.01) A61P 31/04 (2006.01) C07K 1/04 (2006.01) C07K 1/107 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **PROCESS FOR THE LINEAR SYNTHESIS OF GRAM-POSITIVE CLASS II BACTERIOCINS AND COMPOSITIONS AND USES THEREOF**
[54] **PROCEDE DE SYNTHESE LINEAIRE DE BACTERIOCINES DE CLASSE II A GRAM-POSITIF, COMPOSITIONS ET UTILISATIONS ASSOCIEES**
[72] BEDARD, FRANCOIS, CA
[72] BIRON, ERIC, CA
[72] HAMMAMI, RIADH, CA
[72] FLISS, ISMAIL, CA
[71] UNIVERSITE LAVAL, CA
[85] 2019-11-19
[86] 2018-05-23 (PCT/CA2018/050598)
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[30] US (62/509,978) 2017-05-23

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[51] **Int.Cl. A23L 2/02 (2006.01) A23L 17/60 (2016.01) A23L 2/42 (2006.01) A23L 2/52 (2006.01)**
[25] FR
[54] **METHOD FOR OBTAINING A STABILISED FOOD DRINK MADE FROM FRUIT JUICE COMPRISING EXTRACTS OF MICROALGAE AND/OR CYANOBACTERIA**
[54] **PROCEDE D'OBTENTION D'UNE BOISSON ALIMENTAIRE STABILISEE A BASE DE JUS DE FRUITS COMPRENANT DES EXTRAITS DE MICROALGUES ET/OU DES CYANOBACTERIES**
[72] PECQUET, MAXIME, FR
[72] FELICE, THOMAS, FR
[72] GONCALVES ALVES, MATHIEU, FR
[71] ALGAMA, FR
[85] 2019-11-19
[86] 2018-06-15 (PCT/FR2018/000173)
[87] (WO2018/229365)
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[25] EN
[54] **RECOMBINANT YEAST CELL**
[54] **CELLULE DE LEVURE RECOMBINEE**
[72] PAPAPETRIDIS, IOANNIS, NL
[72] PRONK, JACOBUS THOMAS, NL
[71] DSM IP ASSETS B.V., NL
[85] 2019-11-19
[86] 2018-06-04 (PCT/EP2018/064564)
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[25] EN
[54] **HIGH-PERFORMANCE COMPOSITE FILM FOR PACKING**
[54] **FILM COMPOSITE HAUTE PERFORMANCE POUR EMBALLAGE**
[72] XIA, JIALIANG, CN
[72] GAO, XUEWEN, CN
[72] XIA, YU, CN
[72] TANG, MINYAN, CN
[71] JIAPU INNOVATIVE FILM (KUNSHAN) CO., LTD., CN
[85] 2019-11-19
[86] 2018-03-15 (PCT/CN2018/079202)
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[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/64 (2017.01) A61K 47/66 (2017.01) A61P 29/00 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01) C07K 14/195 (2006.01)**
[25] EN
[54] **PEPTIDE COMPOUNDS, CONJUGATE COMPOUNDS AND USES THEREOF FOR TREATING INFLAMMATORY DISEASES**
[54] **COMPOSES PEPTIDIQUES, COMPOSES CONJUGUES ET LEURS UTILISATIONS DANS LE TRAITEMENT DE MALADIES INFLAMMATOIRES**
[72] BELIVEAU, RICHARD, CA
[72] ANNABI, BORHANE, CA
[72] DEMEULE, MICHEL, CA
[72] LAROCQUE, ALAIN, CA
[72] CURRIE, JEAN-CHRISTOPHE, CA
[72] LAMY, SYLVIE, CA
[71] TRANSFERT PLUS, S.E.C., CA
[85] 2019-11-19
[86] 2018-05-24 (PCT/CA2018/050606)
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[30] US (62/510,381) 2017-05-24

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[51] **Int.Cl. A41D 27/28 (2006.01) A41D 3/02 (2006.01)**
[25] EN
[54] **BREATHABLE ITEM OF CLOTHING AND BREATHABLE INSERT FOR ITEMS OF CLOTHING**
[54] **ARTICLE VESTIMENTAIRE PERMEABLE A L'AIR ET INSERT PERMEABLE A L'AIR DESTINE A DES ARTICLES VESTIMENTAIRES**
[72] MATTIONI, BRUNO, IT
[72] BRUNO, MARCO, IT
[72] POLEGATO MORETTI, MARIO, IT
[71] GEOX S.P.A., IT
[85] 2019-11-19
[86] 2018-04-17 (PCT/EP2018/059732)
[87] (WO2018/215138)
[30] IT (102017000056188) 2017-05-24

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[13] A1
[51] **Int.Cl. E05F 5/00 (2017.01)**
[25] EN
[54] **FURNITURE HINGE HAVING A BLOCKING ELEMENT FOR A LINEAR DAMPER**
[54] **CHARNIERE DE MEUBLE POURVUE D'UN ELEMENT DE BLOCAGE POUR UN AMORTISSEUR LINEAIRE**
[72] CAPUR, ERTAC, TR
[72] TANRIVERDI, HIMMET, TR
[71] SAMET KALIP VE MADENI ESYA SAN. VE TIC A.S., TR
[85] 2019-07-26
[86] 2017-02-13 (PCT/TR2017/000027)
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[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/68 (2006.01) E21B 43/22 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **PROPPANT TREATMENT AND ENHANCED WATER IMBIBITION IN TIGHT SUBTERRANEAN FORMATIONS BY USING DENDRIMERS**
[54] **TRAITEMENT D'AGENT DE SOUTENEMENT ET IMBIBITION D'EAU RENFORCEE DANS DES FORMATIONS SOUTERRAINES ETANCHES AU MOYEN DE DENDRIMERES**
[72] QUINTERO, HARVEY, CA
[72] WANG, CHUANZHONG, CA
[72] ZHANG, KEWEI, CA
[72] O'NEIL, BILL, CA
[72] HAWKES, ROBERT, CA
[71] TRICAN WELL SERVICE LTD., CA
[85] 2019-11-19
[86] 2018-05-31 (PCT/CA2018/050645)
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[30] US (62/513,551) 2017-06-01

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[51] **Int.Cl. G01N 29/04 (2006.01) G01N 29/44 (2006.01)**
[25] EN
[54] **ULTRASONIC DETECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DETECTION ULTRASONORE**
[72] HALLEVALL, NICLAS, SE
[72] JONSSON, CECILIA, SE
[71] METSO SWEDEN AB, SE
[85] 2019-11-19
[86] 2018-04-19 (PCT/EP2018/060098)
[87] (WO2018/210525)
[30] EP (PCT/EP2017/062131) 2017-05-19

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[51] **Int.Cl. B25J 9/16 (2006.01) B25J 9/00 (2006.01)**
[25] FR
[54] **METHOD FOR MOVING AN EXOSKELETON**
[54] **PROCEDE DE MISE EN MOUVEMENT D'UN EXOSQUELETTE**
[72] MASSELIN, MATTHIEU, FR
[72] PETRIAUX, MARINE, FR
[71] WANDERCRAFT, FR
[85] 2019-11-19
[86] 2018-06-28 (PCT/FR2018/051586)
[87] (WO2019/002772)
[30] FR (1756007) 2017-06-29

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[13] A1
[51] **Int.Cl. H04W 16/02 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING UPLINK SIGNAL, TERMINAL AND NETWORK DEVICE**
[54] **PROCEDE D'EMISSION DE SIGNAL DE LIAISON MONTANTE, TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-19
[86] 2017-05-26 (PCT/CN2017/086097)
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[51] **Int.Cl. A61C 7/00 (2006.01) A61C 7/08 (2006.01) A61C 13/34 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A DENTAL AID FROM A THERMOPLASTIC FILM OR PLATE**
[54] **PROCEDE DE FABRICATION D'UN AUXILIAIRE DENTAIRE A PARTIR D'UNE FEUILLE OU D'UNE PLAQUE EN MATERIAU SYNTHETIQUE THERMOPLASTIQUE**
[72] SCHMIDT, CHRISTIAN, DE
[72] FORNOFF, PETER, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2019-11-19
[86] 2018-06-04 (PCT/EP2018/064586)
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[30] DE (10 2017 209 403.6) 2017-06-02

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[25] EN
[54] **ORAL CARE COMPOSITION**
[54] **COMPOSITION DE SOINS BUCCO-DENTAIRES**
[72] BENSON, JENNIFER, US
[72] PETROVICOVA, ELENA, US
[72] PLATT, WILLIAM D., US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2019-11-19
[86] 2018-05-25 (PCT/IB2018/053759)
[87] (WO2018/215994)
[30] US (62/511,715) 2017-05-26

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[51] **Int.Cl. B62K 15/00 (2006.01)**
[25] FR
[54] **FOLDING BICYCLE**
[54] **VELO PLIANT**
[72] HENRY, GILLES, FR
[71] HENRY, GILLES, FR
[85] 2019-11-18
[86] 2018-05-18 (PCT/EP2018/063184)
[87] (WO2018/211104)
[30] FR (1754460) 2017-05-19

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[25] EN
[54] **SPIROCYCLIC INDOLINES AS IL-17 MODULATORS**
[54] **INDOLINES SPIROCYCLIQUES UTILISEES COMME MODULATEURS D'IL-17**
[72] BRACE, GARETH NEIL, GB
[72] CHAPPELL, ROSE ELIZABETH, GB
[72] DEBOVES, HERVE JEAN CLAUDE, GB
[72] FOLEY, ANNE MARIE, GB
[72] FOULKES, GREGORY, GB
[72] JONES, ELIZABETH PEARL, GB
[72] LECOMTE, FABIEN CLAUDE, GB
[72] QUINCEY, JOANNA RACHEL, GB
[72] SCHULZE, MONIKA-SARAH ELISABETH DOROTHEA, GB
[72] SELBY, MATTHEW DUNCAN, GB
[72] SMALLEY, ADAM PETER, GB
[72] TAYLOR, RICHARD DAVID, GB
[72] TOWNSEND, ROBERT JAMES, GB
[72] ZHU, ZHAONING, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2019-11-19
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[30] GB (1709456.6) 2017-06-14

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[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **PORTION CAPSULE FOR PREPARING A DRINK IN A DRINKS PRODUCTION MACHINE, AND METHOD FOR PRODUCING A PORTION CAPSULE**
[54] **DOSETTE SOUS FORME DE CAPSULE SERVANT A PREPARER UNE BOISSON DANS UNE MACHINE DE PRODUCTION DE BOISSON ET PROCEDE SERVANT A FABRIQUER UNE DOSETTE SOUS FORME DE CAPSULE**
[72] KRUGER, MARC, DE
[72] EMPL, GUNTER, DE
[71] K-FEE SYSTEM GMBH, DE
[85] 2019-11-19
[86] 2018-05-22 (PCT/EP2018/063396)
[87] (WO2018/211147)
[30] DE (10 2017 208 578.9) 2017-05-19

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[51] **Int.Cl. F41G 7/00 (2006.01) F41G 9/00 (2006.01)**
[25] EN
[54] **MISSION PLANNING FOR WEAPONS SYSTEMS**
[54] **PLANIFICATION DE MISSION POUR SYSTEMES D'ARMES**
[72] REES, GARETH STANLEY, GB
[72] WALLS, ANDREW PHILIP, GB
[72] ROBINSON, ALEX MARTIN, GB
[72] SARGENT, STEPHEN VINCENT, GB
[72] POTTER, NATHAN REES, GB
[72] MOODY, LEIGH, GB
[71] MBDA UK LIMITED, GB
[85] 2019-11-19
[86] 2018-05-17 (PCT/GB2018/051338)
[87] (WO2018/215738)
[30] GB (1708408.8) 2017-05-25
[30] EP (17172972.6) 2017-05-25

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[51] **Int.Cl. A61L 27/16 (2006.01) A61F 2/16 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **HIGH REFRACTIVE INDEX, HIGH ABBE NUMBER INTRAOCULAR LENS MATERIALS**
[54] **MATERIAUX DE LENTILLE INTRAOCULAIRE D'INDICE DE REFRACTION ELEVE ET NOMBRE D'ABBE ELEVE**
[72] SCHLUETER, DOUGLAS, US
[71] ALCON INC., CH
[85] 2019-11-19
[86] 2018-06-01 (PCT/IB2018/053952)
[87] (WO2018/224935)
[30] US (62/515,276) 2017-06-05

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **NOVEL ANTI-HSA ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-HSA**
[72] GUNDE, TEA, CH
[72] MEYER, SEBASTIAN, CH
[72] HESS, CHRISTIAN, CH
[72] BIERI, TESSA, CH
[71] NUMAB THERAPEUTICS AG, CH
[85] 2019-11-19
[86] 2018-06-04 (PCT/EP2018/064622)
[87] (WO2018/224439)
[30] US (62/515,293) 2017-06-05
[30] EP (17195783.0) 2017-10-10

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[13] A1
[51] **Int.Cl. C08F 220/28 (2006.01) A61F 2/16 (2006.01) A61L 27/16 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS COMPOSITIONS**
[54] **COMPOSITIONS DE LENTILLES INTRAOCULAIRES**
[72] JIANG, XUWEI, US
[72] CALLAGHAN, THOMAS A., US
[72] HADBA, AHMAD R., US
[71] ALCON INC., CH
[85] 2019-11-19
[86] 2018-06-12 (PCT/IB2018/054245)
[87] (WO2018/229653)
[30] US (62/518,888) 2017-06-13

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[13] A1
[51] **Int.Cl. F28D 9/00 (2006.01)**
[25] EN
[54] **METHOD OF USING AN INDIRECT HEAT EXCHANGER AND FACILITY FOR PROCESSING LIQUEFIED NATURAL GAS COMPRISING SUCH HEAT EXCHANGER**
[54] **PROCEDE D'UTILISATION D'UN ECHANGEUR DE CHALEUR INDIRECT ET INSTALLATION DE TRAITEMENT DE GAZ NATUREL LIQUEFIE COMPRENANT UN TEL ECHANGEUR DE CHALEUR**
[72] BOTMAN, MAARTEN JOANNES, NL
[72] BRINKERT, JACOB, NL
[72] DE VRIES, MARCEL, DE
[72] NIEKERK, ROY, NL
[72] SCHOLTEN, RUDOLFUS JOHANNES, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2019-11-19
[86] 2018-05-28 (PCT/EP2018/063910)
[87] (WO2018/219855)
[30] EP (17173558.2) 2017-05-30

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[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **NOVEL ANTI-CD3 ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-CD3**
[72] GUNDE, TEA, CH
[72] HESS, CHRISTIAN, CH
[72] MEYER, SEBASTIAN, CH
[72] SIMONIN, ALEXANDRE, FR
[72] BELTRAMETTI, TEDDY, CH
[72] URECH, DAVID, CH
[71] NUMAB THERAPEUTICS AG, CH
[85] 2019-11-19
[86] 2018-06-04 (PCT/EP2018/064630)
[87] (WO2018/224441)
[30] US (62/515,293) 2017-06-05
[30] EP (17203832.5) 2017-11-27

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[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/404 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **MESEMBRENOL AND/OR MESEMBRANOL FOR PROPHYLAXIS AND TREATMENT OF PATIENTS SUFFERING FROM EPILEPSY AND ASSOCIATED DISEASES**
[54] **MESEMBRENOL ET/OU MESEMBRANOL POUR LA PROPHYLAXIE ET LE TRAITEMENT DE PATIENTS SOUFFRANT D'EPILEPSIE ET DE MALADIES ASSOCIEES**
[72] DIMPFEL, WILFRIED, DE
[71] HG&H PHARMACEUTICALS (PTY) LTD, ZA
[85] 2019-11-19
[86] 2018-07-25 (PCT/IB2018/055535)
[87] (WO2019/021196)
[30] ZA (2017/05072) 2017-07-26

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[13] A1
[51] **Int.Cl. D21F 9/00 (2006.01) B31F 1/12 (2006.01) D21F 11/00 (2006.01) D21F 11/14 (2006.01) D21H 27/02 (2006.01)**
[25] EN
[54] **METHODS OF MAKING PAPER PRODUCTS USING A PATTERNED CYLINDER**
[54] **PROCEDES DE FABRICATION DE PRODUITS DE PAPIER METTANT EN □UVRE UN ROULEAU STRUCTURE**
[72] RUTHVEN, PAUL J., US
[72] HARPER, FRANK D., US
[72] ROBINSON, MARK L., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2019-11-19
[86] 2018-07-27 (PCT/IB2018/055644)
[87] (WO2019/030603)
[30] US (62/542,378) 2017-08-08
[30] US (16/023,451) 2018-06-29

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[13] A1
[51] **Int.Cl. B60W 30/16 (2012.01) B60T 7/12 (2006.01) B62D 6/00 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **DRIVING ASSISTANCE DEVICE AND DRIVING ASSISTANCE METHOD**
[54] **DISPOSITIF D'AIDE A LA CONDUITE ET PROCEDE D'AIDE A LA CONDUITE**
[72] AOKI, MOTONOBU, JP
[72] KOJO, NAOKI, JP
[72] YANAGI, TAKURA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-11-19
[86] 2017-05-19 (PCT/JP2017/018904)
[87] (WO2018/211708)

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/12 (2006.01) A61K 9/70 (2006.01) A61K 31/00 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **QUICKLY DISINTEGRATING FOAM WAFER WITH HIGH MASS PER UNIT AREA**
[54] **PASTILLE EN MOUSSE A DECOMPOSITION RAPIDE, PRESENTANT UN POIDS SURFACIQUE ELEVE**
[72] MULLER, MARKUS, DE
[72] BAUER, MARIUS, DE
[72] LINN, MICHAEL, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2019-11-19
[86] 2018-06-07 (PCT/EP2018/065008)
[87] (WO2018/224591)
[30] DE (10 2017 112 527.2) 2017-06-07

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[13] A1
[51] **Int.Cl. F16H 1/46 (2006.01) F16H 1/32 (2006.01)**
[25] EN
[54] **ROTARY ACTUATOR AND LINEAR ACTUATOR**
[54] **ACTIONNEUR ROTATIF ET ACTIONNEUR LINEAIRE**
[72] KIYOSAWA, YOSHIHIDE, JP
[71] HARMONIC DRIVE SYSTEMS INC., JP
[85] 2019-11-19
[86] 2017-06-21 (PCT/JP2017/022926)
[87] (WO2018/235212)

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[13] A1
[51] **Int.Cl. H05B 6/48 (2006.01) A23L 5/10 (2016.01) A47J 37/12 (2006.01) F24C 7/02 (2006.01) A23L 5/30 (2016.01)**
[25] EN
[54] **INGREDIENT CONTROL DEVICE, INGREDIENT CONTROL METHOD, TRANSPORTATION METHOD, COOKING METHOD, AND PROGRAM**
[54] **DISPOSITIF DE COMMANDE DE COMPOSANT, PROCEDE DE COMMANDE DE COMPOSANT, PROCEDE DE TRANSPORT, PROCEDE DE CUISSON ET PROGRAMME**
[72] TANAKA HISAO, JP
[71] EVERTRON HOLDINGS PTE LTD., JP
[85] 2019-11-19
[86] 2018-05-10 (PCT/JP2018/018149)
[87] (WO2018/212068)
[30] JP (2017-100354) 2017-05-19
[30] JP (2017-126102) 2017-06-28
[30] JP (2017-153591) 2017-08-08

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[13] A1
[51] **Int.Cl. G01S 7/495 (2006.01) F41G 3/02 (2006.01) F41G 3/04 (2006.01) F41H 13/00 (2006.01)**
[25] EN
[54] **WEAPON SYSTEM**
[54] **SYSTEME D'ARME**
[72] RIGBY, KEITH ANTONY, GB
[71] BAE SYSTEMS PLC, GB
[85] 2019-11-19
[86] 2018-05-31 (PCT/GB2018/051491)
[87] (WO2018/220382)
[30] GB (1708822.0) 2017-06-02
[30] EP (17174333.9) 2017-06-02

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[13] A1
[51] **Int.Cl. C25B 9/02 (2006.01) C25B 3/04 (2006.01) C25B 9/00 (2006.01) C25B 11/03 (2006.01)**
[25] EN
[54] **ORGANIC HYDRIDE PRODUCTION DEVICE**
[54] **DISPOSITIF DE PRODUCTION D'HYDRURE ORGANIQUE**
[72] MITSUSHIMA, SHIGENORI, JP
[72] NAGASAWA, KENSAKU, JP
[72] NISHIKI, YOSHINORI, JP
[72] OGATA, SETSURO, JP
[72] KATO, AKIHIRO, JP
[72] ZAENAL, AWALUDIN, JP
[72] MATSUOKA, KOJI, JP
[72] SATO, YASUSHI, JP
[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[71] DE NORA PERMELEC LTD, JP
[85] 2019-11-19
[86] 2018-04-02 (PCT/JP2018/014110)
[87] (WO2018/216356)
[30] JP (2017-101419) 2017-05-23

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[13] A1
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **GENETIC IDENTIFICATION OF PISCIRICKETTSIA SALMONIS RESISTANT SALMONIDS**
[54] **IDENTIFICATION GENETIQUE DE SALMONIDES RESISTANTS A PISCIRICKETTSIA SALMONIS**
[72] MOLINA, DANIELA CICHERO, CL
[72] ODEGARD, JORGEN, NO
[72] KORSVOLL, SVEN ARILD, NO
[71] BLUE GENOMICS CHILE SPA., CL
[85] 2019-11-19
[86] 2018-05-31 (PCT/GB2018/051494)
[87] (WO2018/220385)
[30] GB (1708617.4) 2017-05-31

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[13] A1
[51] **Int.Cl. A62C 31/02 (2006.01) B05B 1/00 (2006.01)**
[25] EN
[54] **INJECTION HEAD FOR LIQUEFIED FIRE-EXTINGUISHING AGENT**
[54] **TETE DE PULVERISATION POUR AGENT D'EXTINCTION D'INCENDIE LIQUEFIE**
[72] INOUE, YASUFUMI, JP
[72] YABUSHITA, MASAHIRO, JP
[72] KAMO, MITSUNORI, JP
[71] KOATSU CO., LTD., JP
[85] 2019-11-19
[86] 2018-05-15 (PCT/JP2018/018699)
[87] (WO2018/212160)
[30] JP (2017-099696) 2017-05-19

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[13] A1
[51] **Int.Cl. C07D 239/22 (2006.01) A61K 31/506 (2006.01) A61P 25/08 (2006.01) C07D 239/54 (2006.01)**
[25] EN
[54] **PYRIMIDINE COMPOUND**
[54] **COMPOSE DE PYRIMIDINE**
[72] SHINOHARA, TOMOICHI, JP
[72] IWATA, SHIN, JP
[72] ARAI, KENTA, JP
[72] ITO, NOBUAKI, JP
[72] SUZUKI, MASAKI, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2019-11-19
[86] 2018-05-31 (PCT/JP2018/020997)
[87] (WO2018/221667)
[30] JP (PCT/JP2017/020322) 2017-05-31

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[13] A1
[51] **Int.Cl. C07H 1/02 (2006.01) C07H 19/20 (2006.01)**
[25] EN
[54] **SYNTHESIS OF 3'-DEOXYADENOSINE-5'-0-[PHENYL(BENZYLOXY-L-ALANINYL)]PHOSPHATE (NUC-7738)**
[54] **SYNTHESE DE 3'-DESOXYADENOSINE-5'-0-[PHENYL(BENZYLOXY-L-ALANINYL)]PHOSPHATE (NUC -7738)**
[72] DAMMALAPATI, VENKATA LAKSHMI NARASIMHA RAO, IN
[72] KOTALA, MANI BUSHAN, IN
[71] NUCANA PLC, GB
[85] 2019-11-19
[86] 2018-06-14 (PCT/GB2018/051641)
[87] (WO2018/229495)
[30] GB (1709471.5) 2017-06-14

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[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **AEROSOL-GENERATING SYSTEM WITH FOUR CONTACTS**
[54] **SYSTEME DE PRODUCTION D'AEROSOL A QUATRE CONTACTS**
[72] BILAT, STEPHANE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2019-11-19
[86] 2018-06-14 (PCT/EP2018/065794)
[87] (WO2019/007657)
[30] EP (17180258.0) 2017-07-07

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[13] A1
[51] **Int.Cl. E04F 15/024 (2006.01) E04F 15/00 (2006.01) E04F 15/02 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING THE VENTILATION EFFECTIVENESS OF LARGE CONDITIONED AIR PLENUM ENVIRONMENTS INCLUDING SUCH ENVIRONMENTS IN MULTILEVEL RAISED FLOOR ELECTRO-MECHANICAL DISTRIBUTION SYSTEMS**
[54] **PROCEDE D'AMELIORATION DE L'EFFICACITE DE VENTILATION DE GRANDS ENVIRONNEMENTS DE PLENUM D'AIR CONDITIONNE COMPRENANT DE TELS ENVIRONNEMENTS DANS DES SYSTEMES DE DISTRIBUTION ELECTROMECANIQUE DE FAUX-PLANCHER MULTIN IVEAU**
[72] COLLIER, WILLIAM RANDOLF, CA
[71] COLLIER, WILLIAM RANDOLF, CA
[85] 2019-11-19
[86] 2018-07-17 (PCT/US2018/000121)
[87] (WO2018/217238)
[30] US (62/603,174) 2017-05-20
[30] US (15/932,918) 2018-05-21

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[13] A1
[51] **Int.Cl. G01N 1/28 (2006.01) B01L 3/00 (2006.01) G01N 1/02 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **COMPRESSIBLE EXTRACTION INSTRUMENT FOR PRETREATING A SAMPLE**
[54] **INSTRUMENT D'EXTRACTION COMPRESSIBLE POUR LE PRETRAITEMENT D'UN ECHANTILLON**
[72] WEBER, CHRISTOPH, DE
[72] SCHOEDER, HEINZ, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-11-19
[86] 2018-06-15 (PCT/EP2018/065914)
[87] (WO2018/234168)
[30] DE (10 2017 005 864.4) 2017-06-21

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[13] A1
[51] **Int.Cl. B29C 64/124 (2017.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) B29C 64/209 (2017.01) B29C 64/255 (2017.01) B29C 64/321 (2017.01)**
[25] EN
[54] **CONTAINER FOR USE IN STEREOLITHOGRAPHIC SYSTEMS**
[54] **CONTENANT S'UTILISANT DANS DES INSTALLATIONS DE STEREOLITHOGRAPHIE**
[72] SCHMIDT, CHRISTIAN, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2019-11-19
[86] 2018-06-21 (PCT/EP2018/066528)
[87] (WO2018/234426)
[30] DE (10 2017 210 384.1) 2017-06-21

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[13] A1
[51] **Int.Cl. B01D 61/40 (2006.01) B01D 67/00 (2006.01) B01D 69/02 (2006.01) B01D 71/40 (2006.01) B01D 71/68 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **MODIFIED FILTER MEMBRANE AND THE USE THEREOF**
[54] **MEMBRANE FILTRANTE MODIFIEE ET UTILISATION DE CELLE-CI**
[72] WEBER, CHRISTOPH, DE
[72] SCHOEDER, HEINZ, DE
[72] KIRCHNER, ROLAND, DE
[72] ALTRICHTER, JENS, DE
[72] MARGRAF, STEFAN, DE
[72] SCHOLL, MICHAEL, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2019-11-19
[86] 2018-07-12 (PCT/EP2018/069005)
[87] (WO2019/016080)
[30] EP (17181670.5) 2017-07-17

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[13] A1
[51] **Int.Cl. F16J 15/02 (2006.01) B60J 10/34 (2016.01) B32B 5/02 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **COMPRESSIBLE LIQUID SEALS WITH DISCONTINUOUS ADHESIVES**
[54] **JOINTS LIQUIDES COMPRESSIBLES AVEC ADHESIFS DISCONTINUS**
[72] GARDNER, JOHN, US
[72] WIESEMANN, AMADEUS, DE
[71] W. L. GORE & ASSOCIATES, INC., US
[71] W. L. GORE & ASSOCIATES, GMBH, DE
[85] 2019-11-19
[86] 2017-10-04 (PCT/US2017/055114)
[87] (WO2018/231268)
[30] US (62/520,421) 2017-06-15

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[13] A1
[51] **Int.Cl. B66F 9/06 (2006.01) B66F 11/04 (2006.01) E01D 21/00 (2006.01) E04G 3/30 (2006.01)**
[25] EN
[54] **WORK GONDOLA APPARATUS AND WORK VEHICLE PROVIDED WITH SAME**
[54] **APPAREIL DE NACELLE DE TRAVAIL ET ENGIN DE CHANTIER EQUIPE DE CELUI-CI**
[72] ARAKI, CHIHIRO, JP
[72] KADOWAKI, TOSHIKAZU, JP
[72] MAKISHIMA, NAOKI, JP
[72] ORITA, AKIRA, JP
[71] NIHON BISOH CO., LTD., JP
[85] 2019-11-19
[86] 2018-07-12 (PCT/JP2018/026296)
[87] (WO2019/013275)
[30] JP (2017-136504) 2017-07-12

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[13] A1
[51] **Int.Cl. F41A 23/00 (2006.01) F41A 23/34 (2006.01) F41A 23/36 (2006.01)**
[25] EN
[54] **ATTACHMENT ARRANGEMENT FOR A GUN MODULE ON A CARRIER**
[54] **AGENCEMENT DE FIXATION POUR MODULE DE CANON SUR SUPPORT**
[72] ELIASSON, MARCUS, SE
[72] GARDSIO, PETER, SE
[72] WALL, BERTIL, SE
[71] BAE SYSTEMS BOFORS AB, SE
[85] 2019-11-19
[86] 2018-06-27 (PCT/SE2018/050698)
[87] (WO2019/004916)
[30] SE (1700135-5) 2017-06-30

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[13] A1
[51] **Int.Cl. E21B 7/04 (2006.01) E21B 44/00 (2006.01) E21B 47/022 (2012.01) E21B 47/024 (2006.01) G05B 17/00 (2006.01)**
[25] EN
[54] **AUTOMATIC CONTROLLING OF DRILLING WEIGHT ON BIT**
[54] **COMMANDE AUTOMATIQUE DE POIDS DE FORAGE SUR UN TREPAN**
[72] ZHA, YANG, US
[72] RAMSAY, STACEY C., US
[72] PHAM, SON V., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2019-11-19
[86] 2018-04-13 (PCT/US2018/027591)
[87] (WO2018/212873)
[30] US (62/508,806) 2017-05-19
[30] US (15/953,043) 2018-04-13

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[13] A1
[51] **Int.Cl. F23D 5/12 (2006.01) F23D 5/04 (2006.01)**
[25] FR
[54] **GAS MIXER FOR ETHANOL BURNER**
[54] **MELANGEUR DE GAZ POUR BRULEUR A ETHANOL**
[72] DELAITE, ALAIN MICHEL, FR
[72] DECOURTEIX, JEAN-FRANCOIS, FR
[71] DELAITE, ALAIN MICHEL, FR
[71] DECOURTEIX, JEAN-FRANCOIS, FR
[85] 2019-11-18
[86] 2017-11-22 (PCT/EP2017/080032)
[87] (WO2018/095964)
[30] EP (16306559.2) 2016-11-25

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[13] A1
[51] **Int.Cl. A61K 31/522 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **THEACRINE-BASED SUPPLEMENT AND METHOD OF USE THEREOF IN A SYNERGISTIC COMBINATION WITH CAFFEINE**
[54] **SUPPLEMENT A BASE DE THEACRINE ET SON PROCEDE D'UTILISATION DANS UNE COMBINAISON SYNERGIQUE AVEC DE LA CAFEINE**
[72] LOPEZ, HECTOR L., US
[72] WELLS, SHAWN, US
[72] ZIEGENFUSS, TIM N., US
[71] ORTHO-NUTRA, LLC, US
[85] 2019-11-18
[86] 2018-05-16 (PCT/IB2018/053410)
[87] (WO2018/211425)
[30] US (15/600,371) 2017-05-19

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[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) G01V 1/40 (2006.01) G01V 3/34 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS WITH ESTIMATED SYNCHRONIZATION BETWEEN MODULAR DOWNHOLE LOGGING SYSTEM MODULES**
[54] **PROCEDES ET SYSTEMES AVEC ESTIMATION DE LA SYNCHRONISATION ENTRE MODULES D'UN SYSTEME DE DIAGRAPHIE DE FOND DE TROU MODULAIRE**
[72] WU, HSU-HSIANG, US
[72] GRIFFING, MATTHEW CHASE, US
[72] GOLLA, CHRISTOPHER, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ELECTRIC POWER SUPPLY METHOD AND ARCHITECTURE FOR ON-BOARD DOMESTIC NETWORK**
[54] **PROCEDE ET ARCHITECTURE D'ALIMENTATION ELECTRIQUE DE RESEAU DOMESTIQUE EMBARQUE**
[72] BERENGER, SERGE, FR
[72] LEMIRE, GREGOIRE, FR
[72] REBIERE, YOANN, FR
[71] LATELEC, FR
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[86] 2018-06-19 (PCT/EP2018/066302)
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[54] **SUPPORTED ELASTOMERIC FOAMS AND PROCESSES FOR MAKING SAME**
[54] **MOUSSES ELASTOMERES SUPPORTEES ET LEURS PROCEDES DE FABRICATION**
[72] GARDNER, JOHN, US
[72] WIESEMANN, AMADEUS, DE
[71] W. L. GORE & ASSOCIATES, INC., US
[71] W. L. GORE & ASSOCIATES GMBH, DE
[85] 2019-11-19
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[30] US (62/520,421) 2017-06-15

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/115 (2010.01) C07H 21/04 (2006.01)**
[25] EN
[54] **METHODS FOR USING NUCLEIC ACID APTAMERS FOR DIRECTED TEMPLATED ASSEMBLY**
[54] **PROCEDES D'UTILISATION D'APTAMERES A ACIDES NUCLEIQUES POUR ASSEMBLAGE DIRIGE PAR MATRICES**
[72] DUNN, IAN, US
[72] LAWLER, MATTHEW, US
[71] TRIBIOTICA LLC, US
[85] 2019-11-19
[86] 2017-05-22 (PCT/US2017/033807)
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[30] US (62/339,981) 2016-05-23

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[51] **Int.Cl. G01F 23/284 (2006.01)**
[25] EN
[54] **RADAR LEVEL GAUGE FOR MEASURING THE VOLUME OF BULK PRODUCTS IN TANKS**
[54] **DISPOSITIF DE MESURE DE NIVEAU DE TYPE RADAR POUR MESURER LE VOLUME DE PRODUITS PULVERULENTS DANS DES RESERVOIRS**
[72] LIBERMAN, ALEKSANDR VLADIMIROVICH, RU
[72] TARNOVSKII, ANDREI VALERIEVICH, RU
[72] LICHKOV, GENNADII GENNADIEVICH, RU
[71] JOINT STOCK COMPANY "LIMACO", RU
[85] 2019-11-19
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[54] **COMBINATION RECESS FOR DRIVEN FASTENER**
[54] **EVIDEMENT DE COMBINAISON POUR ELEMENT DE FIXATION ENTRAINE**
[72] FALKENSTEIN, MICHAEL K., US
[72] LAJEWARDI, FARHAD, US
[71] THE HILLMAN GROUP, INC., US
[85] 2019-11-19
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[25] EN
[54] **BRIDGE APPLICATION FOR USER PIN SELECTION**
[54] **APPLICATION DE PASSERELLE POUR SELECTION DE PIN D'UTILISATEUR**
[72] LANTER, ALEC WARREN, US
[72] STELL, ERIK RONALD, US
[71] CPI CARD GROUP-TENNESSEE, INC., US
[85] 2019-11-19
[86] 2018-04-20 (PCT/US2018/028559)
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[30] US (62/489,085) 2017-04-24

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[54] **CARTON AND CARTON BLANK**
[54] **CARTON ET DECOUPE DE CARTON**
[72] PEELER, ANDREW T., US
[72] ZACHERLE, MATTHEW E., US
[72] WALLING, BRADFORD J., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
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[86] 2018-05-14 (PCT/US2018/032498)
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[30] US (62/508,973) 2017-05-19

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[51] **Int.Cl. A45C 1/02 (2006.01) A01K 97/06 (2006.01) A21D 10/02 (2006.01) A45C 13/10 (2006.01) B65D 33/24 (2006.01)**
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[54] **VENTED CONTAINER FOR HOUSING A SCENTED PRODUCT AND RELATED METHODS**
[54] **CONTENANT A EVENT DESTINE A ACCUEILLIR UN PRODUIT PARFUME ET PROCEDES ASSOCIES**
[72] MELVAN, JACK F., US
[72] KUHL, SARAH A., US
[72] ZICKUS, JUSTIN, US
[71] THE GLAD PRODUCTS COMPANY, US
[85] 2019-11-19
[86] 2018-05-15 (PCT/US2018/032663)
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[51] **Int.Cl. G06F 1/04 (2006.01) G06F 1/12 (2006.01)**
[25] EN
[54] **CLOCK FREQUENCY CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE FREQUENCE D'HORLOGE**
[72] MARTIN, ANDREW L., US
[72] PALMER, DAVID W., US
[71] RAYTHEON COMPANY, US
[85] 2019-11-19
[86] 2018-02-06 (PCT/US2018/017054)
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[51] **Int.Cl. A45D 19/00 (2006.01) A45D 19/02 (2006.01) A45D 24/00 (2006.01) A45D 24/22 (2006.01)**
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[54] **HAIR COLORING VARIEGATION DEVICE AND METHOD OF USE**
[54] **DISPOSITIF DE VARIEGATION POUR COLORATION CAPILLAIRE ET PROCEDE D'UTILISATION**
[72] ELLIOTT, FRANKLIN, US
[71] F.G. ELLIOTT LLC, US
[71] ELLIOTT, FRANKLIN, US
[85] 2019-11-15
[86] 2018-05-17 (PCT/US2018/033091)
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[51] **Int.Cl. C12Q 1/6855 (2018.01)**
[25] EN
[54] **HIGH-THROUGHPUT POLYNUCLEOTIDE LIBRARY SEQUENCING AND TRANSCRIPTOME ANALYSIS**
[54] **SEQUENCAGE DE BIBLIOTHEQUE DE POLYNUCLEOTIDES A HAUT RENDEMENT ET ANALYSE DE TRANSCRIPTOME**
[72] GOLDFLESS, STEPHEN JACOB, US
[72] BRIGGS, ADRIAN WRANGHAM, US
[72] CHARI, RAJAGOPAL, US
[72] JIANG, YUE, US
[72] HAUSE, RONALD, US
[72] VIGNEAULT, FRANCOIS, US
[71] ABVITRO LLC, US
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[86] 2018-05-25 (PCT/US2018/034768)
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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
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[54] **DEVICE, SYSTEM, AND METHOD FOR A SOCIAL FIT ASSESSMENT**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DESTINES A UNE EVALUATION D'ADAPTATION SOCIALE**
[72] MARELLA, SASHI, US
[72] MANOHAR, TANMAY, US
[72] BERZIN, DAVID, US
[71] VIACOM INTERNATIONAL INC., US
[85] 2019-11-19
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[87] (WO2018/217514)
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[51] **Int.Cl. A61K 51/12 (2006.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) A61K 49/00 (2006.01) A61K 51/08 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ULTRASMALL NANOPARTICLES LABELED WITH ZIRCONIUM-89 AND METHODS THEREOF**
[54] **NANOPARTICULES ULTRA-PETITES MARQUEES AVEC DU ZIRCONIUM-89 ET LEURS PROCEDES**
[72] BRADBURY, MICHELLE S., US
[72] CHEN, FENG, US
[72] WIESNER, ULRICH, US
[72] MA, KAI, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[71] CORNELL UNIVERSITY, US
[85] 2019-11-19
[86] 2018-05-17 (PCT/US2018/033098)
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[30] US (62/510,859) 2017-05-25

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[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/02 (2012.01) H04B 1/59 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGEMENT OF PERPETUAL INVENTORY VALUES BASED UPON CONFIDENCE LEVEL**
[54] **SYSTEME ET PROCEDE DE GESTION DE VALEURS D'INVENTAIRE PERPETUEL D'APRES UN NIVEAU DE CONFIANCE**
[72] BRYAN, GREG A., US
[72] BROOKS, CRISTY C., US
[72] BRIGHTWELL, DAVID B., US
[72] ENSSLE, BENJAMIN D., US
[71] WALMART APOLLO, LLC, US
[85] 2019-11-19
[86] 2018-05-17 (PCT/US2018/033135)
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[51] **Int.Cl. H04L 9/32 (2006.01) G06F 15/16 (2006.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **SOCIAL MEDIA PLATFORM ENABLING MULTIPLE SOCIAL MEDIA ALIASES**
[54] **PLATE-FORME DE MEDIA SOCIAL PERMETTANT DE MULTIPLES ALIAS DE MEDIAS SOCIAUX**
[72] ALBERTINE, SCOTT HERMAN, US
[72] GOLUBIC, K. VIKTOR, US
[72] HUBER, THOMAS JOSEPH, II, US
[71] BLACKBOOK MEDIA INC., US
[85] 2019-11-19
[86] 2018-05-18 (PCT/US2018/033475)
[87] (WO2018/213756)
[30] US (15/600,000) 2017-05-19

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[51] **Int.Cl. A61K 39/155 (2006.01) C07K 14/115 (2006.01)**
[25] EN
[54] **RECOMBINANT CHIMERIC BOVINE/HUMAN PARAINFLUENZA VIRUS 3 EXPRESSING RSV G AND ITS USE**
[54] **VIRUS PARAINFLUENZA BOVIN/HUMAIN CHIMERE RECOMBINANT DE TYPE 3 EXPRIMANT LA RSV G ET SON UTILISATION**
[72] COLLINS, PETER L., US
[72] BUCHHOLZ, URSULA J., US
[72] LIANG, BO, US
[72] MUNIR, SHIRIN, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES, US
[85] 2019-11-19
[86] 2018-05-29 (PCT/US2018/034848)
[87] (WO2018/222573)
[30] US (62/512,111) 2017-05-29

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[25] EN
[54] **ARTICLES INCORPORATED INTO AN ATTACHED POUCH**
[54] **ARTICLES INCORPORES DANS UNE POCHE FIXEE**
[72] ROMANO, JENNIFER A., US
[71] SHUX ENTERPRISE, INC., US
[85] 2019-11-19
[86] 2018-05-31 (PCT/US2018/035389)
[87] (WO2018/222868)
[30] US (62/513,153) 2017-05-31

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[51] **Int.Cl. C01F 7/47 (2006.01) C02F 11/14 (2019.01) C08J 3/12 (2006.01)**
[25] EN
[54] **WATER SOLUBLE POLYMER DISPERSIONS**
[54] **DISPERSIONS POLYMERES HYDROSOLUBLES**
[72] O'TOOLE, MICHAEL, US
[72] NGUYEN, DANNY, US
[71] KEMIRA OYJ, FI
[85] 2019-11-19
[86] 2018-05-18 (PCT/US2018/033355)
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[30] US (62/508,866) 2017-05-19

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[51] **Int.Cl. B22F 1/00 (2006.01) B22F 1/02 (2006.01) B22F 3/16 (2006.01) B22F 3/22 (2006.01) B22F 9/24 (2006.01)**
[25] EN
[54] **SURFACE MODIFIED METALLIC PARTICULATE IN SINTERED PRODUCTS**
[54] **MATERIAUX PARTICULAIRES METALLIQUES MODIFIES EN SURFACE DANS DES PRODUITS FRITTES**
[72] HEIKKILA, KURT, US
[72] PAUL, LINCOLN, US
[72] WILLIAMS, RODNEY, US
[71] TUNDRA COMPOSITES LLC, US
[85] 2019-11-19
[86] 2018-06-01 (PCT/US2018/035555)
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[30] US (62/514,114) 2017-06-02

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[51] **Int.Cl. C04B 35/628 (2006.01)**
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[54] **SURFACE MODIFIED INORGANIC PARTICULATE IN SINTERED PRODUCTS**
[54] **PARTICULES INORGANIQUES MODIFIEES EN SURFACE DANS DES PRODUITS FRITTES**
[72] HEIKKILA, KURT, US
[72] KROLL, JOHN, US
[72] PAUL, LINCOLN, US
[72] WILLIAMS, RODNEY, US
[71] TUNDRA COMPOSITES, LLC, US
[85] 2019-11-19
[86] 2018-06-01 (PCT/US2018/035606)
[87] (WO2018/222995)
[30] US (62/514,123) 2017-06-02

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[51] **Int.Cl. H04W 16/00 (2009.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR CHANNEL ACCESS IN DYNAMIC SPECTRUM SHARING**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ACCES A UN CANAL DANS UN PARTAGE DE SPECTRE DYNAMIQUE**
[72] DUTTA, SANTANU, US
[72] ZHENG, DUNMIN, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2019-11-19
[86] 2018-06-01 (PCT/US2018/035631)
[87] (WO2018/223016)
[30] US (62/514,512) 2017-06-02
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[54] **NANOPORE SEQUENCERS**
[54] **SEQUENCEURS PAR NANOPORES**
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[72] AKOLKAR, ROHAN N., US
[72] FISHER, JEFFREY S., US
[72] MANDELL, JEFFREY G., US
[72] QIANG, LIANGLIANG, US
[72] BARNARD, STEVEN M., US
[71] ILLUMINA, INC., US
[85] 2019-11-19
[86] 2018-06-19 (PCT/US2018/038337)
[87] (WO2018/236906)
[30] US (62/522,628) 2017-06-20

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[51] **Int.Cl. C07D 457/12 (2006.01) A61K 31/48 (2006.01) A61P 25/06 (2006.01) A61P 25/16 (2006.01)**
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[54] **ERGOLINE DERIVATIVES FOR USE IN MEDICINE**
[54] **DERIVES D'ERGOLINE DESTINES A ETRE UTILISES EN MEDECINE**
[72] ARMER, THOMAS, US
[72] BORLAND, SCOTT, US
[72] GUZMAN, MIGUEL, US
[71] XOC PHARMACEUTICALS, INC., US
[85] 2019-11-19
[86] 2018-06-01 (PCT/US2018/035701)
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[30] US (62/513,998) 2017-06-01

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 11/00 (2006.01) G01N 1/00 (2006.01)**
[25] EN
[54] **ENZASTAURIN AND FRAGILE HISTIDINE TRIAD (FHIT)-INCREASING AGENTS FOR THE TREATMENT OF PULMONARY HYPERTENSION**
[54] **ENZASTAURINE ET AGENTS AUGMENTANT L'ACTIVITE DU GENE FHIT (FRAGILE HISTIDINE TRIAD) POUR LE TRAITEMENT DE L'HYPERTENSION PULMONAIRE (PAH)**
[72] SPIEKERKOETTER, EDDA, US
[72] DANNEWITZ PROSSEDA, SVENJA, US
[72] TIAN, XUEFEI, US
[72] KHATRI, PURVESH, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[86] 2018-05-18 (PCT/US2018/033533)
[87] (WO2018/213800)
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[25] EN
[54] **DEVICES, METHODS, AND SYSTEMS WITH DYNAMIC SPECTRUM SHARING**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES AVEC PARTAGE DYNAMIQUE DE SPECTRE**
[72] ZHENG, DUNMIN, US
[72] DUTTA, SANTANU, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2019-11-19
[86] 2018-06-04 (PCT/US2018/035908)
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[30] US (62/514,518) 2017-06-02

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[13] A1
[51] **Int.Cl. A61K 51/10 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CD206+ MACROPHAGE-SPECIFIC MOLECULAR IMAGING PROBE COMPOSITIONS AND METHODS AND THE NONINVASIVE QUANTIFICATION OF ARTERIAL WALL MACROPHAGE INFILTRATION IN HUMANS**
[54] **COMPOSITIONS DE SONDE MOLECULAIRE D'IMAGERIE SPECIFIQUE DES MACROPHAGES CD206+ ET PROCEDES ASSOCIES, ET QUANTIFICATION NON INVASIVE DE L'INFILTRATION DES MACROPHAGES DE LA PAROI ARTERIELLE CHEZ L'HUMAIN**
[72] COPE, FREDERICK O., US
[72] RALPH, DAVID ALLEN, US
[72] ABBRUZZESE, BONNIE CHANDLER, US
[71] NAVIDEA BIOPHARMACEUTICALS, INC., US
[85] 2019-11-19
[86] 2018-05-18 (PCT/US2018/033545)
[87] (WO2018/213808)
[30] US (62/509,010) 2017-05-19

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[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **COMPRESSION RESISTANT THREADED CONNECTION**
[54] **RACCORD FILETE RESISTANT A LA COMPRESSION**
[72] DEHART, CODY ALLEN, US
[71] MARUBENI-ITOCHU TUBULARS AMERICA INC., US
[85] 2019-11-19
[86] 2018-06-07 (PCT/US2018/036405)
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[30] US (62/516,466) 2017-06-07

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[51] **Int.Cl. G01S 7/52 (2006.01) G01S 7/524 (2006.01) H01L 41/04 (2006.01) H04R 19/00 (2006.01) A61B 8/00 (2006.01) B06B 1/02 (2006.01)**
[25] EN
[54] **DIFFERENTIAL ULTRASONIC TRANSDUCER ELEMENT FOR ULTRASOUND DEVICES**
[54] **ELEMENT DE TRANSDUCTEUR A ULTRASONS DIFFERENTIEL POUR DISPOSITIFS A ULTRASONS**
[72] LUTSKY, JOSEPH, US
[72] SANCHEZ, NEVADA J., US
[72] CHEN, KAILIANG, US
[72] FIFE, KEITH G., US
[72] RALSTON, TYLER S., US
[71] BUTTERFLY NETWORK, INC., US
[85] 2019-11-19
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[87] (WO2018/237267)
[30] US (62/524,285) 2017-06-23

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[51] **Int.Cl. A62C 2/12 (2006.01) A62C 4/00 (2006.01)**
[25] EN
[54] **EXPLOSION FLAP VALVE**
[54] **SOUPAPE A CLAPET ANTI-EXPLOSION**
[72] BRAZIER, GEOFFREY, US
[71] BS&B INNOVATIONS LIMITED, IE
[71] BRAZIER, GEOFFREY, US
[85] 2019-11-19
[86] 2018-05-21 (PCT/US2018/033616)
[87] (WO2018/213820)
[30] US (62/508,426) 2017-05-19

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[13] A1
[51] **Int.Cl. A61J 1/03 (2006.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **INVENTORY ASSURANCE**
[54] **ASSURANCE D'INVENTAIRE**
[72] JACOBS, ALAN JEFFREY, US
[72] SUBRAMANIAN, RAM, US
[71] PERCEPTIMED, INC., US
[85] 2019-11-19
[86] 2018-06-28 (PCT/US2018/040136)
[87] (WO2019/006200)
[30] US (62/526,330) 2017-06-28

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[13] A1
[51] **Int.Cl. G05B 19/048 (2006.01) E21B 47/12 (2012.01) G05B 19/042 (2006.01) G05B 23/02 (2006.01) G06F 9/38 (2018.01) G06F 13/16 (2006.01)**
[25] EN
[54] **WELL CONSTRUCTION COMMUNICATION AND CONTROL**
[54] **COMMUNICATION ET COMMANDE DE CONSTRUCTION DE PUITS**
[72] ZHENG, SHUNFENG, US
[72] ROJAS, JUAN JOSE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2019-11-19
[86] 2018-06-13 (PCT/US2018/037195)
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[30] US (15/621,039) 2017-06-13

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[51] **Int.Cl. H02M 1/32 (2007.01) H02M 3/142 (2006.01) H02M 1/34 (2007.01) H02H 3/087 (2006.01) H02H 7/00 (2006.01) H02H 9/02 (2006.01) H02M 7/515 (2007.01)**
[25] EN
[54] **SOLID STATE REGULATOR AND CIRCUIT BREAKER FOR HIGH-POWER DC BUS DISTRIBUTIONS**
[54] **REGULATEUR MONOLITHIQUE ET DISJONCTEUR DESTINES A DES BARRES OMNIBUS DE DISTRIBUTION DE COURANT CONTINU HAUTE PUISSANCE**
[72] JACOBSON, BORIS S., US
[71] RAYTHEON COMPANY, US
[85] 2019-11-19
[86] 2018-06-13 (PCT/US2018/037212)
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[30] US (15/628,015) 2017-06-20

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[51] **Int.Cl. A01M 1/02 (2006.01) A01M 1/00 (2006.01) A01M 1/10 (2006.01) A01M 1/20 (2006.01)**
[25] EN
[54] **SELECTIVE DETECTION OF BED BUGS**
[54] **DETECTION SELECTIVE DES PUNAISES DES LITS**
[72] BEACH, MARK W., US
[72] SOUKHOJAK, ANDREY N., US
[72] SPOMER, NEIL A., US
[72] MANGOLD, SHANE L., US
[72] SHANKAR, RAVI B., US
[72] MUKHOPADHYAY, SUKRIT, US
[72] REYES, JEREMY CHRIS P., US
[72] JACOBS, BRUCE A., US
[72] WINNIFORD, WILLIAM L., US
[72] HAMM, RHONDA L., US
[72] HOWARD, PHILLIP J., US
[72] PASZTOR, ANDREW J., JR., US
[72] EVENSON, MARY D., US
[72] PATTERSON, THOMAS G., US
[72] GIAMPIETRO, NATALIE C., US
[71] DOW AGROSCIENCES LLC, US
[85] 2019-11-19
[86] 2018-05-21 (PCT/US2018/033679)
[87] (WO2018/217639)
[30] US (62/509,501) 2017-05-22
[30] US (62/577,437) 2017-10-26

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[51] **Int.Cl. F16J 15/02 (2006.01) B60J 10/34 (2016.01) B32B 5/02 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **SUPPORTED ELASTOMERIC FOAMS AND PROCESSES FOR MAKING SAME**
[54] **MOUSSES ELASTOMERES SUPPORTEES ET LEURS PROCEDES DE PREPARATION**
[72] GARDNER, JOHN, US
[72] WIESEMANN, AMADEUS, DE
[71] W. L. GORE & ASSOCIATES, INC., US
[71] W. L. GORE & ASSOCIATES GMBH, DE
[85] 2019-11-19
[86] 2018-06-15 (PCT/US2018/037910)
[87] (WO2018/232347)
[30] US (62/520,421) 2017-06-15
[30] US (PCT/US2017/055111) 2017-10-04

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[51] **Int.Cl. E01B 21/02 (2006.01) E01B 15/00 (2006.01)**
[25] EN
[54] **RAIL ASSEMBLY FOR RAIL VEHICLES HAVING FLANGED WHEELS**
[54] **ENSEMBLE RAIL POUR VEHICULES FERROVIAIRES A ROUES A BOUDIN**
[72] KLUG, MATTHIAS, DE
[72] PAHL, BERND, DE
[72] GARBE, TINO, DE
[72] KLEIN, NICOLA, DE
[72] RUDT, ANDREA, DE
[71] DATWYLER SEALING TECHNOLOGIES DEUTSCHLAND GMBH, DE
[85] 2019-11-20
[86] 2018-05-22 (PCT/DE2018/200052)
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[30] DE (10 2017 111 298.7) 2017-05-23

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[51] **Int.Cl. G01K 1/08 (2006.01) G01K 1/14 (2006.01) G01K 13/00 (2006.01) G01N 1/00 (2006.01)**
[25] EN
[54] **PROCESS INSERTS, ASSEMBLIES, AND RELATED METHODS FOR HIGH VELOCITY APPLICATIONS**
[54] **INSERTS DE PROCESSUS, ENSEMBLES ET PROCEDES ASSOCIES POUR APPLICATIONS A VITESSE ELEVEE**
[72] JOHNSON, MITCHELL, US
[72] IYER, SRINIVASAN, US
[72] MURPHY, BRAD, US
[71] JMS SOUTHEAST, INC., US
[85] 2019-11-19
[86] 2018-05-21 (PCT/US2018/033697)
[87] (WO2018/217644)
[30] US (62/509,120) 2017-05-21
[30] US (62/542,015) 2017-08-07

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[13] A1
[51] **Int.Cl. H04W 16/14 (2009.01)**
[25] EN
[54] **DYNAMIC RECLAMATION OF RESOURCES RESERVED FOR FORWARD COMPATIBILITY**
[54] **RECUPERATION DYNAMIQUE DE RESSOURCES RESERVEES POUR UNE COMPATIBILITE ASCENDANTE**
[72] NAM, WOOSEOK, US
[72] LUO, TAO, US
[72] AKKARAKARAN, SONY, US
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] NAGARAJA, SUMEETH, US
[72] CHAKRABORTY, KAUSHIK, US
[72] CHEN, SHENGBO, US
[72] WANG, XIAO FENG, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-19
[86] 2018-06-22 (PCT/US2018/038900)
[87] (WO2019/005590)
[30] US (62/527,016) 2017-06-29
[30] US (16/014,689) 2018-06-21

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 9/70 (2006.01)**
[25] EN
[54] **ELESTOMERIC FIBROUS HYBRID SCAFFOLD FOR IN VITRO AND IN VIVO TISSUE FORMATION**
[54] **ECHAFAUDAGE HYBRIDE FIBREUX ELASTOMERE POUR FORMATION IN VITRO ET IN VIVO**
[72] MASOUMI, NAFISEH, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2019-11-19
[86] 2018-05-21 (PCT/US2018/033736)
[87] (WO2018/213842)
[30] US (62/508,832) 2017-05-19

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[13] A1
[51] **Int.Cl. A61K 31/4015 (2006.01) A61K 45/06 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **NOVEL USE OF A FORMYL PEPTIDE RECEPTOR 2/ LIPOXIN A4 RECEPTOR (FPR2/ALX) AGONIST FOR TREATMENT OF HEART FAILURE**
[54] **NOUVELLE UTILISATION D'UN AGONISTE DU RECEPTEUR 2 DE PEPTIDE FORMYLE/RECEPTEUR DE LIPOXINE A4 (FPR2/ALX) POUR LE TRAITEMENT DE L'INSUFFISANCE CARDIAQUE**
[72] OSTROWSKI, JACEK, US
[72] GARCIA, RICARDO, US
[72] WURTZ, NICHOLAS R., US
[72] CARSON, NANCY LEIGH, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033783)
[87] (WO2018/217684)
[30] US (62/509,489) 2017-05-22

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[51] **Int.Cl. E04H 4/12 (2006.01) B01D 17/12 (2006.01) E04H 4/16 (2006.01)**
[25] EN
[54] **DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION**
[72] GUY, DAVID, US
[72] GOEMAN, TERRY, US
[72] JOHNSON, JEFFREY, US
[72] FREEBERG, PAUL, US
[72] ENDERSON, LYLE, US
[72] SWAGEL, DARRIN M., US
[72] BARTON, ERIC, US
[71] KING TECHNOLOGY INC., US
[85] 2019-11-19
[86] 2018-08-09 (PCT/US2018/046102)
[87] (WO2019/032892)
[30] US (62/544,173) 2017-08-11
[30] US (62/564,620) 2017-09-28

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[13] A1
[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **COMPUTING AMPLITUDE INDEPENDENT GRADIENT FOR SEISMIC VELOCITY INVERSION IN A FREQUENCY DOMAIN**
[54] **CALCUL D'UN GRADIENT INDEPENDANT DE L'AMPLITUDE POUR INVERSION DE VITESSE SISMIQUE DANS UN DOMAINE DE FREQUENCE**
[72] WU, YAN, CN
[72] MA, YUE, CN
[72] CAO, LEI, CN
[72] LIU, HONGWEI, SA
[72] LUO, YI, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033828)
[87] (WO2018/217706)
[30] US (62/509,300) 2017-05-22
[30] US (15/956,261) 2018-04-18

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[13] A1
[51] **Int.Cl. A61L 27/26 (2006.01) A61F 2/07 (2013.01) A61F 2/06 (2013.01) A61L 27/16 (2006.01) A61L 27/18 (2006.01)**
[25] EN
[54] **VASCULAR GRAFTS HAVING A MODIFIED SURFACE**
[54] **GREFFONS VASCULAIRES AYANT UNE SURFACE MODIFIEE**
[72] HO, JEANNETTE, CA
[72] SANTERRE, J. PAUL, CA
[72] STEEDMAN, MARK A., CA
[72] SWENOR, JAMIE, CA
[71] EVONIK CANADA INC., CA
[85] 2019-11-20
[86] 2018-05-30 (PCT/CA2018/050628)
[87] (WO2018/218347)
[30] US (62/512,230) 2017-05-30

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[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 7/04 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **DRILL HOLE INNER TUBE PLUG**
[54] **BOUCHON DE TUBE INTERIEUR DE TROU DE FORAGE**
[72] JOHNSON, CURTIS, CA
[72] SEILSTAD, MARK, CA
[72] CHRISTIE, ALEX, CA
[71] HY-TECH DRILLING LTD, CA
[85] 2019-11-20
[86] 2018-05-22 (PCT/CA2018/000099)
[87] (WO2018/213917)
[30] US (62/509,642) 2017-05-22

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[51] **Int.Cl. A47K 1/14 (2006.01) B63B 13/00 (2006.01) F16K 15/04 (2006.01) F16L 55/11 (2006.01)**
[25] EN
[54] **MARINE DRAIN VALVE**
[54] **VANNE DE VIDANGE MARINE**
[72] EBERSTADT, RUDOLPH, III, US
[71] EBERSTADT, RUDOLPH, III, US
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033847)
[87] (WO2018/217717)
[30] US (15/603,750) 2017-05-24

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/545 (2015.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) A61L 27/38 (2006.01) A61P 37/06 (2006.01) C07K 14/47 (2006.01) C12N 15/11 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **ALLOGRAFT TOLERANCE WITHOUT THE NEED FOR SYSTEMIC IMMUNE SUPPRESSION**
[54] **TOLERANCE A UNE ALLOGREFFE SANS NECESSITER UNE SUPPRESSION IMMUNITAIRE SYSTEMIQUE**
[72] NAGY, ANDRAS, CA
[72] HARDING, JEFFREY, CA
[72] NAGY, KRISTINA, CA
[71] SINAI HEALTH SYSTEM, CA
[85] 2019-11-20
[86] 2018-06-12 (PCT/CA2018/050706)
[87] (WO2018/227286)
[30] US (62/518,151) 2017-06-12
[30] US (62/666,626) 2018-05-03

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[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/424 (2006.01) A61K 31/435 (2006.01) A61K 31/4353 (2006.01) A61K 31/4355 (2006.01) A61K 31/437 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **TREATMENT OF DEPRESSIVE DISORDERS**
[54] **TRAITEMENT DE TROUBLES DEPRESSIFS**
[72] DURING, MATTHEW, US
[71] OVID THERAPEUTICS INC., US
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033848)
[87] (WO2018/217718)
[30] US (62/510,481) 2017-05-24
[30] US (15/933,673) 2018-03-23

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[13] A1
[51] **Int.Cl. B22D 11/04 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING MG BRASS EDM WIRE**
[54] **PROCEDE DE FABRICATION DE FIL D'USINAGE PAR ELECTROEROSION DE LAITON MG**
[72] DUDAS, DAVID JOSEPH, US
[72] BALON, RICHARD, CA
[71] E. HOLDINGS, INC., US
[85] 2019-11-19
[86] 2019-02-14 (PCT/US2019/017914)
[87] (WO2019/164731)
[30] US (62/724,653) 2018-08-30
[30] US (62/633,631) 2018-02-22

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[13] A1
[51] **Int.Cl. E21B 17/18 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **MITIGATING DRILLING CIRCULATION LOSS**
[54] **ATTENUATION DE PERTE DE CIRCULATION DE FORAGE**
[72] ZHOU, SHAOHUA, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033860)
[87] (WO2018/217727)
[30] US (15/606,501) 2017-05-26

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[13] A1
[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION AND RELATED PRODUCT**
[54] **TRANSMISSION DE DONNEES ET PRODUIT ASSOCIE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-20
[86] 2017-06-15 (PCT/CN2017/088527)
[87] (WO2018/227512)

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY CHARGER WITH DETACHABLE BATTERY**
[54] **CHARGEUR DE BATTERIE AYANT UNE BATTERIE AMOVIBLE**
[72] INSKEEP, MATHEW, US
[72] SHUM, LING TO, US
[71] INSKEEP, MATHEW, US
[71] SHUM, LING TO, US
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033889)
[87] (WO2018/217752)
[30] US (62/510,846) 2017-05-25
[30] US (15/984,789) 2018-05-21

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[13] A1
[51] **Int.Cl. G21C 3/00 (2006.01) G21C 3/02 (2006.01)**
[25] EN
[54] **NUCLEAR POWER GENERATOR, FUEL CARTRIDGES FOR NUCLEAR POWER GENERATOR, AND RELATED METHODS**
[54] **GENERATEUR D'ENERGIE NUCLEAIRE, CARTOUCHES DE COMBUSTIBLES POUR GENERATEUR D'ENERGIE NUCLEAIRE, ET PROCEDES ASSOCIES**
[72] FILIPPONE, CLAUDIO, US
[71] FILIPPONE, CLAUDIO, US
[85] 2019-11-19
[86] 2018-05-22 (PCT/US2018/033979)
[87] (WO2018/217821)
[30] US (62/509,303) 2017-05-22

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[13] A1
[51] **Int.Cl. H04W 76/00 (2018.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, ET DISPOSITIF DE RESEAU**
[72] YANG, NING, CN
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-20
[86] 2017-09-05 (PCT/CN2017/100579)
[87] (WO2019/047024)

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[13] A1
[51] **Int.Cl. C04B 28/14 (2006.01) B02C 19/00 (2006.01) B03B 9/06 (2006.01) C04B 18/16 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A GYPSUM SLURRY FOR FORMING GYPSUM PRODUCTS AND METHOD OF MANUFACTURING A GYPSUM PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UNE PATE DE PLATRE POUR FORMER DES PRODUITS DE PLATRE ET PROCEDE DE FABRICATION D'UN PRODUIT DE PLATRE**
[72] HALBACH, MARTIN, DE
[72] LIU, TONG, CN
[71] KNAUF GIPS KG, DE
[85] 2019-11-20
[86] 2017-06-29 (PCT/EP2017/000772)
[87] (WO2019/001677)

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[13] A1
[51] **Int.Cl. B29C 53/48 (2006.01) B29C 63/06 (2006.01) B32B 1/08 (2006.01)**
[25] EN
[54] **CONSTRUCTION OF TUBULAR ASSEMBLIES**
[54] **CONSTRUCTION D'ENSEMBLES TUBULAIRES**
[72] GRAHAM, ARTHUR DERRICK BRAY, AU
[72] GRAHAM, NEIL DERYCK BRAY, AU
[71] LONG PIPES LIMITED, AU
[85] 2019-11-20
[86] 2017-06-01 (PCT/AU2017/050529)
[87] (WO2017/205927)
[30] AU (2016902118) 2016-06-01

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[13] A1
[51] **Int.Cl. C09K 8/528 (2006.01) C09K 8/532 (2006.01) C09K 8/54 (2006.01)**
[25] EN
[54] **IRON SULFIDE REMOVAL IN OILFIELD APPLICATIONS**
[54] **ELIMINATION DE SULFURE DE FER DANS DES APPLICATIONS DE CHAMP PETROLIFERE**
[72] CHEN, TAO, SA
[72] WANG, QIWEI, SA
[72] CHANG, FAKUEN FRANK, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-11-19
[86] 2018-05-23 (PCT/US2018/034133)
[87] (WO2018/217895)
[30] US (62/511,765) 2017-05-26

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[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01)**
[25] EN
[54] **ASPHALT COMPOSITION COMPRISING THERMOSETTING REACTIVE COMPOUNDS**
[54] **COMPOSITION D'ASPHALTE COMPRENANT DES COMPOSES REACTIFS THERMODURCISSABLES**
[72] FLEISCHEL, OLIVIER, DE
[72] OTERO MARTINEZ, IRAN, DE
[72] SCHATZ, WALDEMAR, DE
[72] WIEBELHAUS, DAG, DE
[72] ELING, BEREND, DE
[72] SCHERZER, DIETRICH, DE
[72] FERBITZ, JENS, BE
[72] PRAW, MICHAEL, US
[72] MALONSON, BERNIE, US
[72] TAYLOR, RYAN, US
[71] BASF SE, DE
[85] 2019-11-20
[86] 2018-06-04 (PCT/EP2018/064602)
[87] (WO2018/228840)
[30] EP (17175976.4) 2017-06-14

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[13] A1
[51] **Int.Cl. B29C 63/06 (2006.01) B29C 70/68 (2006.01) B32B 5/28 (2006.01)**
[25] EN
[54] **CONSTRUCTION OF TUBULAR ASSEMBLIES**
[54] **CONSTRUCTION D'ENSEMBLES TUBULAIRES**
[72] MYERS, ANDREW MORAY, AU
[72] GRAHAM, ARTHUR DERRICK BRAY, AU
[72] GRAHAM, NEIL DERYCK BRAY, AU
[71] LONG PIPES LIMITED, AU
[85] 2019-11-20
[86] 2017-06-01 (PCT/AU2017/050530)
[87] (WO2017/205928)
[30] AU (2016902118) 2016-06-01

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **DIAGNOSTICS OF MILD OR ADVANCED PERIODONTITIS BASED ON SALIVARY IL-1BETA AND MMP-9**
[54] **DIAGNOSTIC D'UNE PARODONTITE LEGERE OU AVANCEE BASEE SUR IL-1 BETA ET MMP-9 SALIVAIRES**
[72] KOOIJMAN, GERBEN, NL
[72] CHATTERJEA, SUPRIYO, NL
[72] DE JAGER, MARINUS KAREL JOHANNES, NL
[72] RMAILE, AMIR HUSSEIN, NL
[72] VAN HARTSKAMP, MICHAEL ALEX, NL
[72] PRESHAW, PHILIP, NL
[72] TAYLOR, JOHN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2019-11-20
[86] 2018-05-23 (PCT/EP2018/063485)
[87] (WO2018/215528)
[30] EP (17172735.7) 2017-05-24
[30] EP (18151696.4) 2018-01-15

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[13] A1
[51] **Int.Cl. C40B 40/06 (2006.01) C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/6869 (2018.01) C12N 15/13 (2006.01) C40B 30/04 (2006.01)**
[25] EN
[54] **HYBRID-CAPTURE SEQUENCING FOR DETERMINING IMMUNE CELL CLONALITY**
[54] **SEQUENCAGE DE CAPTURE HYBRIDE POUR DETERMINER LA CLONALITE DE CELLULES IMMUNITAIRES**
[72] MULDER, DAVID THOMAS, CA
[72] MAHE, ETIENNE RAYMOND G. A., CA
[72] PUGH, TREVOR JOHN, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2019-11-18
[86] 2018-05-29 (PCT/CA2018/000104)
[87] (WO2018/218332)
[30] US (62/512,255) 2017-05-30

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[13] A1
[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **METHOD FOR DETERMINING REFERENCE SIGNAL, NETWORK DEVICE, UE, AND COM PUTER STORAGE MEDIUM**
[54] **PROCEDE DE DETERMINATION DE SIGNAL DE REFERENCE, ET DISPOSITIF RESEAU, UE ET SUPPORT D'INFORMATIONS D'ORDINATEUR**
[72] SHI, ZHIHUA, CN
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-20
[86] 2018-04-02 (PCT/CN2018/081643)
[87] (WO2019/191881)

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[13] A1
[51] **Int.Cl. C08F 222/14 (2006.01) B29C 64/00 (2017.01) C08F 2/50 (2006.01)**
[25] EN
[54] **CURABLE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DURCISSABLES E ET LEURS UTILISATIONS**
[72] GUICHARD, MARGAUX, FR
[72] MC GRAIL, BRENDAN, US
[72] WOLF, WILLIAM, US
[72] KLANG, JEFFREY, US
[71] ARKEMA FRANCE, FR
[85] 2019-11-20
[86] 2018-05-23 (PCT/EP2018/063465)
[87] (WO2018/219729)
[30] US (62/514,204) 2017-06-02

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[13] A1
[51] **Int.Cl. A61K 31/498 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **FGFR2 INHIBITORS FOR THE TREATMENT OF CHOLANGIOCARCINOMA**
[54] **INHIBITEURS DE FGFR2 UTILISES DANS LE TRAITEMENT DU CHOLANGIOCARCINOME**
[72] BUSSOLARI, JACQUELINE CIRILLO, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2019-11-20
[86] 2018-06-01 (PCT/EP2018/064523)
[87] (WO2018/220206)
[30] EP (17174295.0) 2017-06-02
[30] EP (18171315.7) 2018-05-08

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 19/02 (2006.01) C07K 16/40 (2006.01) C07K 16/44 (2006.01)**
[25] EN
[54] **POLYPEPTIDES BINDING ADAMTS5, MMP13 AND AGGRECAN**
[54] **POLYPEPTIDES SE LIANT A ADAMTS5, MMP13 ET A L'AGGRECANE**
[72] STEFFENSEN, SOREN, BE
[72] BESTE, GERALD, BE
[72] GUEHRING, HANS, DE
[72] TOLEIKIS, LARS, DE
[72] LADEL, CHRISTOPH, DE
[72] LINDEMANN, SVEN, DE
[72] KELLNER, ROLAND, DE
[72] GUENTHER, RALF, DE
[71] MERCK PATENT GMBH, DE
[71] ABLYNX N.V., BE
[85] 2019-11-20
[86] 2018-06-04 (PCT/EP2018/064668)
[87] (WO2018/220236)
[30] EP (17174404.8) 2017-06-02

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[13] A1
[51] **Int.Cl. C07K 14/50 (2006.01) A61K 38/19 (2006.01) C07K 14/475 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **MIC-1 COMPOUNDS AND USES THEREOF**
[54] **COMPOSES MIC-1 ET UTILISATIONS ASSOCIEES**
[72] GAO, XIANG, CN
[72] ZHANG, XUJIA, CN
[72] GUAN, HONGTAO, CN
[72] THOGERSEN, HENNING, DK
[72] SASS-ORUM, KRISTIAN, DK
[72] IVERSEN, LARS FOGH, DK
[72] NORGAARD, PER, DK
[72] JORGENSEN, SEBASTIAN BECK, DK
[72] HANSEN, KRISTIAN TAGE, DK
[72] WANG, YI, CN
[72] FRIEBOES, KILIAN WALDEMAR CONDE, DK
[72] WIECZOREK, BIRGIT, DK
[71] NOVO NORDISK A/S, DE
[85] 2019-11-20
[86] 2018-05-23 (PCT/EP2018/063476)
[87] (WO2018/215525)
[30] CN (CN2017/085576) 2017-05-23
[30] CN (CN2017/113335) 2017-11-28

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODIES COMPRISING MODIFIED HEAVY CONSTANT REGIONS**
[54] **ANTICORPS COMPRENANT DES REGIONS CONSTANTES DE CHAINE LOURDE MODIFIEES**
[72] YAMNIUK, AARON P., US
[72] KORMAN, ALAN J., US
[72] SELBY, MARK J., US
[72] BARNHART, BRYAN C., US
[72] LONBERG, NILS, US
[72] SRINIVASAN, MOHAN, US
[72] HENNING, KARLA A., US
[72] HAN, MICHELLE MINHUA, US
[72] LEI, MING, US
[72] SCHWEIZER, LIANG, US
[72] HATCHER, SANDRA V., US
[72] RAJPAL, ARVIND, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2019-11-19
[86] 2018-05-24 (PCT/US2018/034446)
[87] (WO2018/218056)
[30] US (62/511,178) 2017-05-25
[30] US (62/599,221) 2017-12-15

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **RECOMBINANT MEASLES VIRUS EXPRESSING ZIKA VIRUS PROTEINS AND THEIR APPLICATIONS**
[54] **VIRUS DE LA ROUGEOLE RECOMBINANT EXPRIMANT DES PROTEINES DU VIRUS ZIKA ET LEURS APPLICATIONS**
[72] TANGY, FREDERIC, FR
[72] SIMON-LORIERE, ETIENNE, FR
[71] INSTITUT PASTEUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2019-11-20
[86] 2018-06-06 (PCT/EP2018/064943)
[87] (WO2018/224573)
[30] EP (17305676.3) 2017-06-07

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[13] A1
[51] **Int.Cl. G01R 31/08 (2006.01)**
[25] EN
[54] **POWER-OUTAGE-ASSESSMENT APPARATUSES AND METHODS**
[54] **APPAREIL ET PROCEDES D'EVALUATION DE COUPURE DE COURANT**
[72] BONICATTO, DAMIAN, US
[71] LANDIS+GYR TECHNOLOGIES, LLC, US
[85] 2019-11-19
[86] 2018-05-24 (PCT/US2018/034449)
[87] (WO2018/226427)
[30] US (15/615,619) 2017-06-06

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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61M 5/178 (2006.01) A61M 5/42 (2006.01) A61M 5/44 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **MEDICAL FLUID TRANSFER AND INJECTION APPARATUS AND METHOD WITH COMPLIANCE MONITORING**
[54] **APPAREIL ET PROCEDE D'INJECTION ET DE TRANSFERT DE FLUIDE MEDICAL AVEC SURVEILLANCE DE L'OBSERVANCE**
[72] HOOVEN, MICHAEL D., US
[72] HUDDLESTON, MATTHEW J., US
[72] PALMER, JOETTA RENEE, US
[72] STEFANCHIK, DAVID, US
[72] MAROUS, JAMES, US
[71] ENABLE INJECTIONS, INC., US
[85] 2019-11-19
[86] 2018-05-24 (PCT/US2018/034486)
[87] (WO2018/218082)
[30] US (62/511,088) 2017-05-25

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[13] A1
[51] **Int.Cl. A61K 31/64 (2006.01) A61P 43/00 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **SULFONYLUREA COMPOUNDS IN THE TREATMENT OF DISEASE ASSOCIATED WITH UV-INDUCED DAMAGE**
[54] **COMPOSES DE TYPE SULFONYLUREE DANS LE TRAITEMENT D'UNE MALADIE ASSOCIEE A UN DOMMAGE INDUIT PAR UV**
[72] IOANNOU LOIZOU, JOANNA, AT
[72] MAZOUZI, ABDELGHANI, AT
[71] CEMM-FORSCHUNGSZENTRUM FUR MOLEKULARE MEDIZIN GMBH, AT
[85] 2019-11-20
[86] 2018-05-24 (PCT/EP2018/063735)
[87] (WO2018/215628)
[30] EP (17172748.0) 2017-05-24

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[51] **Int.Cl. C07B 33/00 (2006.01) C07B 41/00 (2006.01)**
[25] EN
[54] **OXIDIZING LIQUID MEDIA FOR CHEMICAL TRANSFORMATIONS**
[54] **MILIEU LIQUIDE OXYDANT POUR TRANSFORMATIONS CHIMIQUES**
[72] PERIANA, ROY A., US
[72] HASHIGUCHI, BRIAN G., US
[72] KONNICK, MICHAEL M., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[71] HYCONIX, INC., US
[85] 2019-11-19
[86] 2018-05-25 (PCT/US2018/034698)
[87] (WO2018/218171)
[30] US (62/511,173) 2017-05-25
[30] US (62/654,133) 2018-04-06
[30] US (62/654,119) 2018-04-06

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[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01)**
[25] EN
[54] **IMPLANTABLE TISSUE REPAIR DEVICES AND METHODS FOR MANUFACTURING THE SAME**
[54] **DISPOSITIFS IMPLANTABLES DE REPARATION TISSULAIRE ET PROCEDES DE FABRICATION ASSOCIES**
[72] WALKER, ROBERT ALAN, GB
[72] ARMSTRONG, BEN, GB
[72] SKAER, NICHOLAS JAMES VAVASOUR, GB
[71] ORTHOX LIMITED, GB
[85] 2019-11-20
[86] 2018-05-22 (PCT/GB2018/051381)
[87] (WO2018/215752)
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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **DIAGNOSTICS OF PERIODONTITIS BASED ON SALIVARY HGF AND MMP-8**
[54] **DIAGNOSTIC DE LA PARODONTITE BASE SUR HGF ET MMP-8 SALIVAIRES**
[72] BAKKER, BART JACOB, NL
[72] DE JAGER, MARINUS KAREL JOHANNES, NL
[72] RMAILE, AMIR HUSSEIN, NL
[72] PRESHAW, PHILIP, NL
[72] TAYLOR, JOHN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2019-11-20
[86] 2018-05-24 (PCT/EP2018/063737)
[87] (WO2018/215630)
[30] EP (17172769.6) 2017-05-24
[30] EP (18151632.9) 2018-01-15

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[51] **Int.Cl. A61K 31/20 (2006.01) A61K 31/4412 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **COMBINATION COMPRISING DECANOIC ACID FOR THE TREATMENT OF EPILEPSY**
[54] **COMBINAISON COMPRENANT DE L'ACIDE DECANOIQUE POUR LE TRAITEMENT DE L'EPILEPSIE**
[72] WILLIAMS, ROBIN SIMON BROOKE, GB
[72] WALKER, MATTHEW, GB
[71] UCL BUSINESS LTD, GB
[71] VITAFLO INTERNATIONAL LTD, GB
[85] 2019-11-20
[86] 2018-06-28 (PCT/EP2018/067355)
[87] (WO2019/002435)
[30] EP (17178751.8) 2017-06-29

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[25] EN
[54] **METHOD FOR EXPANDING STEMNESS AND DIFFERENTIATION POTENTIAL OF PLURIPOTENT CELLS**
[54] **PROCEDE D'ACCROISSEMENT DU CARACTERE SOUCHE ET DU POTENTIEL DE DIFFERENCIATION DE CELLULES PLURIPOTENTES**
[72] MALUMBRES, MARCOS, ES
[72] SALAZAR-ROA, MARIA, ES
[72] TRAKALA, MARIANNA, US
[72] ALVAREZ-FERNANDEZ, MONICA, ES
[71] FUNDACION DEL SECTOR PUBLICO ESTATAL CENTRO NACIONAL DE INVESTIGACIONEONCOLOGICAS CARLOS III (F.S.P. CNIO), ES
[85] 2019-11-20
[86] 2018-05-25 (PCT/EP2018/063853)
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[30] EP (17382304.8) 2017-05-26

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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TRIPLE COMBINATION ANTIBODY THERAPIES**
[54] **THERAPIES A BASE D'ANTICORPS A TRIPLE COMBINAISON**
[72] LIANG, SPENCER, IL
[72] LEUNG, LING, IL
[72] WHELAN, SARAH, IL
[72] KOTTURI, MAYA, IL
[72] MACHLENKIN, ARTHUR, IL
[72] OPHIR, ERAN, IL
[72] ALTEBER, ZOYA, IL
[72] AZULAY, MEIR, IL
[72] LOGRONIO, KATHRYN, IL
[72] KUMAR, SANDEEP, IL
[72] DESAI, RADHIKA, IL
[72] CHAN, CHRISTOPHER, IL
[71] COMPUGEN LTD., IL
[85] 2019-11-20
[86] 2018-06-01 (PCT/IB2018/000696)
[87] (WO2018/220446)
[30] US (62/513,960) 2017-06-01
[30] US (62/515,452) 2017-06-05
[30] US (62/538,563) 2017-07-28
[30] US (62/547,051) 2017-08-17
[30] US (62/582,756) 2017-11-07
[30] US (62/618,005) 2018-01-16

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[13] A1
[51] **Int.Cl. B23B 51/04 (2006.01) B23P 15/28 (2006.01)**
[25] EN
[54] **SINGLE-LIP DEEP-HOLE DRILL WITH A CHAMFERED RAKE FACE**
[54] **FORET A UNE LEVRE DE COUPE POUR TROUS PROFONDS, A FA DE COUPE ETAGEE**
[72] WENZELBURGER, JUERGEN, DE
[71] BOTEK PRAEZISIONSBOHRTECHNIK GMBH, DE
[85] 2019-11-20
[86] 2018-05-29 (PCT/EP2018/064036)
[87] (WO2018/219926)
[30] DE (10 2017 111 630.3) 2017-05-29

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **CANCER-ASSOCIATED IMMUNOSUPPRESSION INHIBITOR**
[54] **INHIBITEUR D'IMMUNOSUPPRESSION ASSOCIE AU CANCER**
[72] BARRET, JEAN-MARC, FR
[72] PROST, JEAN-FRANCOIS, FR
[72] LAHMAR, MEHDI, FR
[72] DEGOVE, STEPHANE, FR
[72] BOUGHERARA, HOUCINE, FR
[72] DONNADIEU, EMMANUEL, FR
[71] GAMAMABS PHARMA, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE PARIS DESCARTES, FR
[85] 2019-11-20
[86] 2018-05-29 (PCT/EP2018/064081)
[87] (WO2018/219956)
[30] EP (17305619.3) 2017-05-29

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[13] A1
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 27/00 (2016.01) C07J 17/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS**
[54] **COMPOSITIONS**
[72] SHI, FENG, US
[72] AUGELLI, JENIFER, US
[72] KOHRS, UWE, NL
[72] YUAN, WEI, US
[71] GIVAUDAN SA, CH
[85] 2019-11-20
[86] 2018-05-31 (PCT/EP2018/064324)
[87] (WO2018/220103)
[30] US (62/514,482) 2017-06-02
[30] US (62/549,242) 2017-08-23

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[51] **Int.Cl. C07C 5/42 (2006.01) C07C 11/04 (2006.01) C07C 11/06 (2006.01) C07C 11/08 (2006.01) C07C 15/46 (2006.01)**
[25] EN
[54] **OXIDATION OF ALKANE TO ALKENE**
[54] **OXYDATION D'ALCANE EN ALCENE**
[72] PERIANA, ROY, A., US
[72] HASHIGUCHI, BRIAN, G., US
[72] KONNICK, MICHAEL, M., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[71] HYCONIX, INC., US
[85] 2019-11-19
[86] 2018-05-25 (PCT/US2018/034706)
[87] (WO2018/218176)
[30] US (62/511,173) 2017-05-25
[30] US (62/654,119) 2018-04-06
[30] US (62/654,133) 2018-04-06

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[13] A1
[51] **Int.Cl. C07C 5/42 (2006.01) C07C 11/04 (2006.01) C07C 11/06 (2006.01) C07C 11/08 (2006.01) C07C 15/46 (2006.01)**
[25] EN
[54] **DIRECT OXIDATION OF OLEFINS TO OXYGENATED SPECIES**
[54] **OXYDATION DIRECTE D'OLEFINES EN ESPECES OXYGENEES**
[72] PERIANA, ROY A., US
[72] HASHIGUCHI, BRIAN G., US
[72] KONNICK, MICHAEL M., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[71] HYCONIX, INC., US
[85] 2019-11-19
[86] 2018-05-25 (PCT/US2018/034717)
[87] (WO2018/218186)
[30] US (62/511,173) 2017-05-25
[30] US (62/654,133) 2018-04-06
[30] US (62/654,119) 2018-04-06

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A23F 5/24 (2006.01) A23F 5/26 (2006.01) A23F 5/48 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INCREASING EXTRACTABILITY OF SOLIDS FROM COFFEE BEANS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT D'AUGMENTER L'EXTRACTIBILITE DE SOLIDES EN PROVENANCE DE GRAINS DE CAFE**
[72] MAORI, EYAL, IL
[72] GALANTY, YARON, GB
[72] PIGNOCCHI, CRISTINA, GB
[72] CHAPARRO GARCIA, ANGELA, GB
[72] MEIR, OFIR, GB
[71] TROPIC BIOSCIENCES UK LIMITED, GB
[85] 2019-11-20
[86] 2018-05-31 (PCT/IB2018/053900)
[87] (WO2018/220579)
[30] GB (1708665.3) 2017-05-31

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **LOW TEMPERATURE CURE COATING FORMED VIA POLARITY-FACILITATED CATALYST MIGRATION BETWEEN LAYERS IN A DOUBLE LAYER CURING MECHANISM**
[54] **REVETEMENT DE DURCISSEMENT A BASSE TEMPERATURE FORME PAR MIGRATION DE CATALYSEUR FACILITEE PAR LA POLARITE ENTRE DES COUCHES DANS UN MECANISME DE DURCISSEMENT A DOUBLE COUCHE**
[72] DECEMBER, TIMOTHY S., US
[72] CAMPBELL, DONALD H., US
[72] CLARK, TIMOTHY, CA
[72] OZWALD, ADAM, CA
[72] HARLOW, LISA JEAN, US
[72] TURLEY, KEVIN MICHAEL, US
[72] FA, KEQING, US
[72] MICHEL, KRISTIN, DE
[71] BASF COATINGS GMBH, DE
[85] 2019-11-20
[86] 2018-07-02 (PCT/EP2018/067825)
[87] (WO2019/020324)
[30] EP (17183290.0) 2017-07-26

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[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **CONNECTOR LEASING FOR LONG-RUNNING SOFTWARE OPERATIONS**
[54] **LOCATION DE CONNECTEUR POUR DES OPERATIONS LOGICIELLES A LONG TERME**
[72] KLUDY, THOMAS, US
[72] FEIJOO, RICARDO F., US
[71] CITRIX SYSTEMS, INC., US
[85] 2019-11-20
[86] 2018-06-18 (PCT/IB2018/054465)
[87] (WO2019/021074)
[30] US (15/663,186) 2017-07-28

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[13] A1
[51] **Int.Cl. A61B 1/005 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR AN ELECTROSURGICAL INSTRUMENT**
[54] **DISPOSITIF DE COMMANDE DESTINE A UN INSTRUMENT ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] TURNER, LOUIS, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2019-11-20
[86] 2018-07-03 (PCT/EP2018/067992)
[87] (WO2019/007981)
[30] GB (1710701.2) 2017-07-04

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[13] A1
[51] **Int.Cl. E05B 47/02 (2006.01) E05B 9/04 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **DRIVING DEVICE FOR UNLOCKING AND LOCKING A LOCK**
[54] **DISPOSITIF D'ENTRAINEMENT POUR DEVERROUILLER ET VERROUILLER UNE SERRURE**
[72] LITWINSKI, ARTUR, PL
[71] LITWINSKI, ARTUR, PL
[85] 2019-11-20
[86] 2018-05-29 (PCT/IB2018/053803)
[87] (WO2018/220523)
[30] PL (P.421767) 2017-05-31

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[13] A1
[51] **Int.Cl. A61K 39/21 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING MODIFIED HIV ENVELOPES**
[54] **COMPOSITIONS COMPRENANT DES ENVELOPPES DE VIH MODIFIEES**
[72] HAYNES, BARTON F., US
[72] MONTEFIORI, DAVID, US
[72] WIEHE, KEVIN J., US
[72] SAUNDERS, KEVIN O., US
[72] LABRANCHE, CELIA C., US
[71] DUKE UNIVERSITY, US
[85] 2019-11-19
[86] 2018-05-25 (PCT/US2018/034772)
[87] (WO2018/218225)
[30] US (62/511,226) 2017-05-25
[30] US (62/565,952) 2017-09-29

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[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **DRIVING DEVICE FOR UNLOCKING AND LOCKING A LOCK**
[54] **DISPOSITIF D'ENTRAINEMENT POUR DEVERROUILLER ET VERROUILLER UN VERROU**
[72] LITWINSKI, ARTUR, PL
[71] LITWINSKI, ARTUR, PL
[85] 2019-11-20
[86] 2018-05-29 (PCT/IB2018/053802)
[87] (WO2018/220522)
[30] PL (P.421765) 2017-05-31
[30] PL (P.421766) 2017-05-31

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[13] A1
[51] **Int.Cl. C12M 1/32 (2006.01) C12M 3/00 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **MICROTISSUE COMPARTMENT DEVICE**
[54] **DISPOSITIF COMPARTIMENT A MICROTISSUS**
[72] FREY, OLIVER, CH
[72] BURGEL, SEBASTIAN, CH
[72] FLURI, DAVID, CH
[72] KELM, JENS, CH
[72] KIM, JIN-YOUNG, KR
[71] INSPHERO AG, CH
[71] ETH ZURICH, CH
[85] 2019-11-20
[86] 2018-07-09 (PCT/EP2018/068553)
[87] (WO2019/008189)
[30] GB (1710955.4) 2017-07-07

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[13] A1
[51] **Int.Cl. B65D 21/06 (2006.01) B65D 43/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO LID ARRANGEMENTS**
[54] **PERFECTIONNEMENTS APPORTES OU SE RAPPORTANT A DES AGENCEMENTS DE COUVERCLE**
[72] JOWETT, LEIGH, GB
[72] DAVIS, LUKE, GB
[71] LOADHOG LIMITED, GB
[85] 2019-11-20
[86] 2018-06-28 (PCT/GB2018/000100)
[87] (WO2019/002804)
[30] GB (1710462.1) 2017-06-29
[30] GB (1810524.7) 2018-06-27

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[13] A1
[51] **Int.Cl. A61L 9/00 (2006.01) B05B 12/04 (2006.01) B05B 12/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SELECTING AND RELEASING FLAVOR**
[54] **SYSTEME ET PROCEDE DE SELECTION ET DE LIBERATION D'AROME**
[72] AVIDOR, YOAV, IL
[71] AGAN AROMA & FINE CHEMICALS LTD., IL
[85] 2019-11-20
[86] 2018-05-24 (PCT/IL2018/050576)
[87] (WO2018/216024)
[30] US (62/510,851) 2017-05-25

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[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 38/43 (2006.01) A61P 3/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **USE OF GLUTAMINE SYNTHETASE FOR TREATING HYPERAMMONEMIA**
[54] **UTILISATION DE GLUTAMINE SYNTHETASE POUR LE TRAITEMENT DE L'HYPERAMMONIEMIE**
[72] NICOLSON, TAMARA, GB
[71] THOERIS GMBH, AT
[85] 2019-11-20
[86] 2018-05-24 (PCT/GB2018/051415)
[87] (WO2018/215780)
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[72] WHITE, SIMON, US
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[72] MASKELL, DAN, GB
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[54] **UNITE DE TRAITEMENT**
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[72] MORIKAWA, SATOSHI, JP
[72] DEGUCHI, YUKARI, JP
[72] KOTAKE, YUKA, JP
[72] KURIHARA, HIDESHI, JP
[72] WATANABE, HISAO, JP
[72] KAYAMORI, FUMIHIRO, JP
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[54] **JOINT FILETE POUR TUYAU ET PROCEDE DE FABRICATION D'UN JOINT FILETE POUR TUYAU**
[72] GOTO, KUNIO, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
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[54] **JOINT A VIS POUR TUYAU EN ACIER**
[72] INOSE, KEITA, JP
[72] SUGINO, MASAAKI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
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[54] **THREADED CONNECTION FOR OIL COUNTRY TUBULAR GOODS AND METHOD FOR PRODUCING THREADED CONNECTION FOR OIL COUNTRY TUBULAR GOODS**
[54] **JOINT A VIS DE TUBE POUR PUITS DE PETROLE ET PROCEDE DE FABRICATION DE JOINT A VIS DE TUBE POUR PUITS DE PETROLE**
[72] KIMOTO, MASANARI, JP
[72] OSHIMA, MASAHIRO, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
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[54] **DEVICE FOR CONTROLLING TILT OF TRUCK CARGO BOX BY USING NAVIGATION SYSTEM**
[54] **DISPOSITIF DE COMMANDE DE L'INCLINAISON D'UNE CAISSE DE CHARGEMENT DE CAMION EN UTILISANT UN SYSTEME DE NAVIGATION**
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[71] NEWKOADWIND.,CO.LTD, KR
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[72] NIWA, DAISUKE, JP
[72] TAMIYA, REI, JP
[72] MOTOHARA, SHOSAKU, JP
[72] IGARASHI, SATOSHI, JP
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[54] **METHOD AND SYSTEM FOR HANDLING A CATCH OF FISH IN A FISHING VESSEL**
[54] **PROCEDE ET SYSTEME DE MANIPULATION D'UNE PRISE DE PECHE LORS D'UNE PECHE**
[72] LARSEN, ASBJORN INGEMAR, NO
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[54] **SHEA BASED COCOA SUBSTITUTE**
[54] **SUBSTITUT DE CACAO A BASE DE KARITE**
[72] JUUL, BJARNE, DK
[71] AAK AB (PUBL), SE
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[54] **SYSTEMES DESTINES A UNE ADMINISTRATION VAGINALE COMPORTANT UN MODULATEUR SELECTIF DES RECEPTEURS AUX OESTROGENES (SERM) ET LEURS UTILISATIONS**
[72] CEVA, VALERIE, US
[72] GOLDSTEIN, STEVEN R., US
[72] LEVINSON, SUSAN L., US
[72] THOMPSON, DAVID D., US
[72] BERNKOP-SCHNURCH, ANDREAS, AT
[72] NARDIN, ISABELLE, AT
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[54] **MISE EN □UVRE DU COMPLEXE IL-15/IL-15RA DANS LA GENERATION DE LYMPHOCYTES T SPECIFIQUES D'UN ANTIGENE POUR UNE IMMUNOTHERAPIE ADOPTIVE**
[72] O'REILLY, RICHARD JOHN, US
[72] DUPONT, BO, US
[72] HASAN, AISHA NASREEN, US
[72] SELVAKUMAR, ANNAMALAI, US
[72] LIU, XIAO-RONG, US
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[72] MA, MING, US
[71] LEIA INC., US
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[54] **OPTIMISATION HYBRIDE DE DETECTION ET D'INTERPRETATION DE DEFAUTS**
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[72] PANDYA, RAJA VIKRAM, US
[72] MANDAPAKA, BHASKAR, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] MADASU, SRINATH, US
[72] PRIYADARSHY, SATYAM, US
[72] DEV, ASHWANI, US
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[72] ZINNEN, SHAWN, US
[71] MBC PHARMA, INC., US
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[72] DEFRANKS, MICHAEL S., US
[72] KIRTIKAR, RAHUL, US
[72] MCKENZIE, JOHN S., US
[72] RABBITT, WILLIAM E., US
[72] STEPHAN, GARY R., US
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[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**
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[54] **PROCEDES ET COMPOSITIONS POUR LA STIMULATION DE LA PRODUCTION D'HYDROCARBURES A PARTIR DE FORMATIONS SOUTERRAINES**
[72] HILL, RANDAL M., US
[72] CHAMPAGNE, LAKIA M., US
[72] LETT, NATHAN L., US
[72] GREEN, MARIE ELIZABETH, US
[72] SABOOWALA, HASNAIN, US
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[71] NOX II, LTD., US
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[54] **SYSTEME DE POMPE A PERFUSION**
[72] KAMEN, DEAN, US
[72] KERWIN, JOHN MATTHEW, US
[72] MURPHY, COLIN HOLMES, US
[72] FICHERA, STEPHEN LEWIS, US
[72] GRAY, LARRY BRIAN, US
[72] GUAY, GERALD MICHAEL, US
[72] LANIGAN, RICHARD J., US
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[54] **VETEMENT DE SPORT PROTECTEUR**
[72] CONTANT, MATHIEU, CA
[72] BEAUREGARD, MARCO, CA
[72] GENEREUX, MARIE-CLAUDE, CA
[72] LEBLANC, ALEXANDRE, CA
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[54] **ANTISENSE COMPOUNDS TARGETED TO CONNEXINS AND METHODS OF USE THEREOF**
[54] **COMPOSES ANTISENS CIBLES SUR DES CONNEXINES ET LEURS METHODES D'UTILISATION**
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[71] OCUNEXUS THERAPEUTICS, INC., US
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[54] **METHOD AND SYSTEM FOR INJECTING SLURRY USING CONCENTRATED SLURRY PRESSURIZATION**
[54] **PROCEDE ET SYSTEME D'INJECTION DE BOUE A L'AIDE D'UNE MISE SOUS PRESSION DE BOUE CONCENTREE**
[72] OKLEJAS, ELI, JR., US
[72] OJLEJAS, ROBERT A., US
[72] KITZMILLER, RYAN, US
[71] VECTOR TECHNOLOGIES, LLC, US
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[25] EN
[54] **CONTAINER HAVING SELF-CONTAINED HEATER MATERIAL**
[54] **CONTENANT PRESENTANT UN MATERIAU CHAUFFANT AUTONOME**
[72] HUFFER, SCOTT WILLIAM, US
[72] LAUBACH, ADAM, US
[72] MARQUEZ, DARKO, US
[72] PEDICINI, CHRISTOPHER S., US
[71] SONOCO DEVELOPMENT, INC., US
[71] RECHARGEABLE BATTERY CORPORATION, D/B/A RBC TECHNOLOGIES, US
[22] 2015-02-16
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[51] **Int.Cl. B65D 81/34 (2006.01) F24V 30/00 (2018.01) A47J 36/28 (2006.01) B65D 65/14 (2006.01) B65D 65/40 (2006.01) B65D 75/58 (2006.01) B65D 77/20 (2006.01) A61F 7/03 (2006.01)**
[25] EN
[54] **CONTAINER HAVING SELF-CONTAINED HEATER MATERIAL**
[54]
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[72] LAUBACH, ADAM, US
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[54] **NOVEL FULLY HUMAN ANTI-VAP-1 MONOCLONAL ANTIBODIES**
[54] **NOUVEAUX ANTICORPS MONOCLONAUX ANTI-VAP-1 ENTIEREMENT HUMAINS**
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[54] **NOUVEAUX ANTICORPS MONOCLONAUX ANTI-VAP-1 ENTIEREMENT HUMAINS**
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[54] **SYSTEME DE CONDITIONNEMENT POUR DISTRIBUTEUR PHARMACEUTIQUE ET PROCEDE ASSOCIE**
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[54] **PROCEDE ET APPAREIL POUR UTILISATION EFFICACE DE BITS DAI POUR EIMTA DANS LA TECHNOLOGIE LTE**
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[54] **CONCENTRATEUR D'ALIMENTATION DE VEHICULE ELECTRIQUE ET MODES DE FONCTIONNEMENT DE CELUI-CI**
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[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[72] HAGER, JORGEN, SE
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[54] **POLYNUCLEOTIDES ADN/ARN CRISPR HYBRIDES ET LEURS PROCEDES D'UTILISATION**
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[54] **CONFIGURATION DYNAMIQUE D'UNE TRAME FLEXIBLE DE DONNEES DE TRANSPORT/PHY A MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE**
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[54] **HYDROLASE, ACIDES NUCLEIQUES LES CODANT ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
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[72] WILMES, LAUREN, US
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[72] GALLO, GUILLERMO, US
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[54] **MISE AU POINT DE MUTATIONS UTILES POUR L'ATTENUATION DES VIRUS DE LA DENGUE ET DES VIRUS DE LA DENGUE CHIMERIQUES**
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[72] HANLEY, KATHRYN A., US
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[54] **MOTEUR DE LUMIERE A DEL A MELANGE DE LUMIERE COMPACT, ET LAMPE A DEL BLANCHE PRESENTANT UN FAISCEAU ETROIT ET UN INDICE DE RENDU DES COULEURS ELEVE UTILISANT CELUI-CI**
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[72] RABBANI, ELAZAR, US
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[72] SCHAEFER, SHELLY H., US
[71] GLOVE FIRST, LLC, US
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[72] GONZALEZ BUENROSTRO, ANA, US
[72] CHEN, XIAOQI, US
[72] CONNORS, RICHARD VICTOR, US
[72] DEIGNAN, JEFFREY, US
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[72] EKSTEROWICZ, JOHN, US
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[72] FOX, BRIAN MATTHEW, US
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[72] GONZALEZ LOPEZ DE TURISO, FELIX, US
[72] GRIBBLE, MICHAEL WILLIAM, JR., US
[72] GUSTIN, DARIN JAMES, US
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[72] KAYSER, FRANK, US
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[72] MA, ZHIHUA, US
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[72] MCMINN, DUSTIN, US
[72] MEDINA, JULIO CESAR, US
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[72] ROVETO, PHILIP MARLEY, US
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[54] **PROCEDES ET SYSTEMES DE CULTURE DE PLANTES UTILISANT DES SUBSTRATS A BASE DE SILICATE, CULTURE A PRODUCTIVITE PHOTOSYNTHETIQUE ET PHOTOPROTECTION AMELIOREES PAR UTILISATION DE GLYCOPYRANOSIDES EXOGENES POUR DES DERIVES DE PROTEINES DE TYPE GLYCOPYRANOSYLE ENDOGENES, ET PREPARATIONS, PROCEDES ET SYSTEMES ASSOCIES**
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[54] **SYSTEMES OPTIQUES DE DETECTION D'ANALYTES ET LEURS PROCEDES D'UTILISATION**
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[72] QAVI, ABRAHAM J., US
[72] KINDT, JARED T., US
[72] BYEON, JI-YEON, US
[72] LUCHANSKY, MATTHEW S., US
[72] MCCLELLAN, MELINDA S., US
[72] WASHBURN, ADAM L., US
[72] OWEN, TATE, US
[72] GLEESON, MARTIN ANTHONY, US
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[72] MAZIADE, MICHEL, CA
[72] MERETTE, CHANTAL, CA
[71] UNIVERSITE LAVAL, CA
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[54] **FILM MULTICOUCHE AVEC PROPRIETES DE MODULE AMELIOREES**
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[72] MEYER, KLAUS, DE
[72] WINKLER, JURGEN, DE
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[72] PEHLERT, CRAIG, US
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[72] LU, FANG, US
[72] GREENE, THOMAS W., US
[72] MOORE, ROBERT E., JR., US
[72] KUMPATLA, SIVA P., US
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[54] **FILTRE OPTIQUE ET PROCEDE DE FABRICATION D'UN FILTRE OPTIQUE**
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[71] FIELDPOINT (CYPRUS) LTD., CY
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[54] **SYSTEME ET PROCEDE POUR CREER ET UTILISER UNE CARTE DE RECHERCHE**
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[72] DALESSIO, JOHN ALEXANDER, US
[72] MULDER, JEREMY JACOB, US
[72] MEHRA, GAURAV, US
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