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. 149 No. 10 March 9, 2021

Vol. 149 No. 10 le 9 mars 2021

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES 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
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[54] - Title of Invention
[60] - Related by Supplementary Disclosure
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[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1961***
For each additional sheet over 30	**$22**
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 3 juin 2020

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
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*))	**$295**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

- **$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$442** 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*))	**295 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** 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.

Notices

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

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

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

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

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

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

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

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

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

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

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

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

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

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

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

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

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

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

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

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

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

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

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Prolongations de délais prévus au Traité de coopération en matière de brevets

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of March 9, 2021 contains applications open to public inspection from February 21, 2021 to February 27, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 9 mars 2021 contient les demandes disponibles au public pour consultation pour la période du 21 février 2021 au 27 février 2021.

Canadian Patents Issued

March 9, 2021

Brevets canadiens délivrés

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[54] **PRODUCTION DE POLYPEPTIDES GLYCOSYLES DANS DES MICRO-ALGUES**
[72] CADORET, JEAN-PAUL, FR
[72] CARLIER, AUDE, FR
[72] LEROUGE, PATRICE, FR
[72] BARDOR, MURIEL, FR
[72] BUREL, CAROLE, FR
[72] MAURY, FLORIAN, FR
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[73] UNIVERSITE DE ROUEN, FR
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[54] **PEPTIDES MODULANT L'ACTIVITE DE L'IGF-1 ET LEURS APPLICATIONS**
[72] CARELLI, CLAUDE, FR
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[72] MAOR, GILA, IL
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[72] GAWLITZEK, MARTIN, US
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[72] LUO, SHUN, US
[73] GENENTECH, INC., US
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[54] **ONLINE SYSTEM AND METHOD OF INSURANCE UNDERWRITING**
[54] **SYSTEME ET PROCEDE DE SOUSCRIPTION D'ASSURANCE EN LIGNE**
[72] MULLINS, KIERAN, US
[73] METROPOLITAN LIFE INSURANCE COMPANY, US
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[72] MUFF, DAN, US
[73] 360 YIELD CENTER, LLC, US
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[54] **PROCEDE, SYSTEME ET PROGRAMME D'ORDINATEUR DESTINES A ATTIRER DES ENTREPRISES LOCALES ET REGIONALES DANS UN ENVIRONNEMENT DE MERCATIQUE ENGAGEE AUTOMATIQUE**
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[54] **CONTENANT ET METHODE DE FABRICATION CONNEXE**
[72] BARRETT, ROBERT, CA
[72] COLLINS, JASON, CA
[72] FEKETE, GABRIEL, CA
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[54] **METHOD AND SYSTEM FOR REMOVING HYDROCARBON DEPOSITS FROM HEAT EXCHANGER TUBE BUNDLES**
[54] **METHODE ET SYSTEME POUR RETIRER LES DEPOTS D'HYDROCARBURES DANS LES FAISCEAUX TUBULAIRES D'ECHANGEUR DE CHALEUR**
[72] TOMKINS, MICHAEL, CA
[72] LARSEN, ROBERT, CA
[72] GARDNER, GARY L., SR., US
[73] T5 TECHNOLOGIES, INC., CA
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[54] **INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF GLUTAMINYL-TRNA SYNTHETASES**
[54] **DECOUVERTE INNOVANTE DE COMPOSITIONS THERAPEUTIQUES, DE DIAGNOSTIC ET D'ANTICORPS LIEES A FRAGMENTS PROTEIQUES DE GLUTAMINYL-ARNT SYNTHETASES**
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[72] CHIANG, KYLE P., US
[72] HONG, FEI, US
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[72] LO, WING-SZE, CN
[72] WATKINS, JEFFRY D., US
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[72] BRENNER, MICHAEL BARRY, US
[72] NOSS, ERIKA HEIDI, US
[72] CHANG, SOOK KYUNG, US
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[73] JOHNSON & JOHNSON VISION CARE, INC., US
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[54] **ESTIMATION DE TEMPERATURE ET DETECTION DE TISSU PAR UN DISSECTEUR ULTRASONIQUE A PARTIR DE LA SURVEILLANCE DE REPONSE EN FREQUENCE**
[72] ROSS, ANTHONY B., US
[72] VAN TOL, DAVID J., US
[72] PRICE, DAVID, US
[73] COVIDIEN LP, US
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[54] **ABRASION RESISTANT STEEL, METHOD OF MANUFACTURING AN ABRASION RESISTANT STEEL AND ARTICLES MADE THEREFROM**
[54] **ACIER RESISTANT A L'ABRASION, PROCEDE DE FABRICATION D'UN ACIER RESISTANT A L'ABRASION ET ARTICLES REALISES A PARTIR DE CE DERNIER**
[72] MOODY, VANCE, US
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[54] **RUBAN DE COUTURE DE TAPIS ET PROCEDE DE RACCORDEMENT DE TAPIS**
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[73] BENNETT, ANNETTE R., US
[73] BENNETT, CHARLES L., US
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[72] LEFEBVRE, GUY, CA
[73] PRATT & WHITNEY CANADA CORP., CA
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[72] MAJOR, DANIEL JONAS, CA
[72] GOODMAN, KEVIN, CA
[72] NAGARAJAN, SIVAKUMAR, CA
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[54] **LATEX PARTICLE FOR MEASUREMENT REAGENT, COATED LATEX PARTICLE, AND MEASUREMENT REAGENT FOR IMMUNOTURBIDIMETRIC METHOD**
[54] **PARTICULE DE LATEX POUR REACTIF DE MESURE, PARTICULE DE LATEX SENSIBILISEE ET REACTIF DE MESURE POUR IMMUNO-NEPHELOMETRIE**
[72] KITAHARA, SHINICHIRO, JP
[72] TAKAHASHI, YUKI, JP
[73] SEKISUI MEDICAL CO., LTD., JP
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[54] **STATOR REFINER PLATE ELEMENT HAVING CURVED BARS AND SERRATED LEADING EDGES**
[54] **ELEMENT PLAQUE DE RAFFINEUR A STATOR POURVU DE BARRES COURBES ET DE BORDS D'ATTAQUE DENTELES**
[72] GINGRAS, LUC, GB
[73] ANDRITZ INC., US
[86] (2832372)
[87] (2832372)
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[25] EN
[54] **METHOD AND PRODUCT FOR LOCALISED OR SPATIAL DETECTION OF NUCLEIC ACID IN A TISSUE SAMPLE**
[54] **PROCEDE ET PRODUIT POUR LA DETECTION LOCALISEE OU SPATIALE D'ACIDE NUCLEIQUE DANS UN ECHANTILLON DE TISSU**
[72] FRISEN, JONAS, SE
[72] LUNDEBERG, JOAKIM, SE
[72] STAHL, PATRIK, SE
[73] SPATIAL TRANSCRIPTOMICS AB, SE
[85] 2013-10-08
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[25] EN
[54] **PASSIVELY VARIABLE EMITTANCE DEVICE AND METHOD FOR MAKING THE SAME**
[54] **DISPOSITIF A EMITTANCE VARIABLE DE MANIERE PASSIVE ET SON PROCEDE DE FABRICATION**
[72] HENDAOUI, ALI, CA
[72] CHAKER, MOHAMED, CA
[72] HADDAD, EMILE, CA
[73] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE (INRS), CA
[73] MPB COMMUNICATIONS INC., CA
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[87] (2833862)
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[25] EN
[54] **AUTONOMOUS WIRELESS ANTENNA SENSOR SYSTEM**
[54] **SYSTEME DE CAPTEURS D'ANTENNE SANS FIL AUTONOME**
[72] DALMAZZO, ENZO, US
[73] 3Z TELECOM, INC., US
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[54] **COMPOSITIONS AND METHODS COMPRISING SERINE PROTEASE VARIANTS**
[54] **PROCEDES ET COMPOSITIONS COMPRENANT DES VARIANTS DE LA SERINE PROTEASE**
[72] AMIN, NEELAM S., US
[72] AUGUSTYN, KATHERINE, US
[72] BASLER, JOSHUA R., US
[72] CASCAO-PEREIRA, LUIS G., US
[72] COLLIER, KATHERINE D., US
[72] CONCAR, EDWARD M., US
[72] ESTELL, DAVID A., US
[72] KELLIS, JAMES T., JR., US
[72] MAGENNIS, EUAN JOHN, US
[72] PISARCHIK, ALEXANDER, US
[72] POULOSE, AYROOKARAN J., US
[72] SOUTER, PHILIP FRANK, US
[72] WARD, GLENN STEVEN, US
[72] YAO, JIAN, US
[73] DANISCO US INC., US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **ISOLATION OF NUCLEIC ACIDS**
[54] **ISOLEMENT D'ACIDES NUCLEIQUES**
[72] BRUINSMA, JANELLE J., US
[72] DOMANICO, MICHAEL J., US
[72] LIDGARD, GRAHAM P., US
[72] ZOU, HONGZHI, US
[72] WEISBURG, WILLIAM G., US
[72] SHENOI, HEMANTH D., US
[72] LIGHT, JAMES P., II, US
[73] EXACT SCIENCES CORPORATION, US
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[25] EN
[54] **OPTICAL DATA CAPTURE OF EXERCISE DATA IN FURTHERANCE OF A HEALTH SCORE COMPUTATION**
[54] **CAPTURE DE DONNEES OPTIQUES DE DONNEES D'EXERCICE DANS LE BUT DE CALCULER UN SCORE DE SANTE**
[72] OHNEMUS, PETER, CH
[72] NAEF, ANDRE, CH
[73] DACADOO AG, CH
[85] 2013-11-15
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[54] **METHOD, SYSTEM AND APPARATUS FOR PROCESSING ALERTS AND ACKNOWLEDGMENTS**
[54] **METHODE, SYSTEME ET APPAREIL POUR TRAITER DES ALERTES ET DES ACCUSES DE RECEPTION**
[72] CHURCH, MARK EDWARD, CA
[73] BLACKBERRY LIMITED, CA
[86] (2838076)
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[54] **DRAWBAR APPARATUS OF AN AGRICULTURAL IMPLEMENT**
[54] **APPAREIL A BARRE D'ATTELAGE D'UN INSTRUMENT AGRICOLE**
[72] CASPER, ROBERT T., US
[72] KRANTZ, JEREMY D., US
[72] BLAUWET, BRYAN D., US
[72] SCHWEITZER, JOHN M., US
[72] CONNELL, RICHARD J., US
[73] DEERE & COMPANY, US
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[54] **MEASURING CIRCUIT**
[54] **CIRCUIT DE MESURE**
[72] BROILLET, BERNARD, CH
[73] MEGGITT SA, CH
[86] (2839742)
[87] (2839742)
[22] 2014-01-10
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[54] **WIRELESS SENSOR NETWORKS**
[54] **RESEAUX DE CAPTEURS SANS FIL**
[72] AAKVAAG, NIELS, NO
[72] SANDVEN, KNUT, NO
[73] DRAGER SAFETY AG & CO. KGAA, DE
[85] 2013-12-19
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[25] EN
[54] **SNOW PLOW EQUIPMENT CARRYING SYSTEM**
[54] **SYSTEME DE TRANSPORT D'EQUIPEMENT DE CHASSE-NEIGE**
[72] COLLINGS, DAVID ANTHONY, CA
[73] COLLINGS, DAVID ANTHONY, CA
[86] (2840306)
[87] (2840306)
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[51] **Int.Cl. G06F 13/00 (2006.01) G06F 3/08 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **MEMORY CARD DEVICE**
[54] **DISPOSITIF DE CARTE DE MEMOIRE**
[72] OIZUMI, HIROSHI, JP
[73] FREEBIT CO., LTD., JP
[85] 2014-01-08
[86] 2012-01-05 (PCT/JP2012/050104)
[87] (WO2012/093696)
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[25] EN
[54] **ANTI-FOLATE RECEPTOR ALPHA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-RECEPTEURS ALPHA DU FOLATE ET LEURS UTILISATIONS**
[72] O'SHANNESSY, DANIEL JOHN, US
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2014-01-14
[86] 2012-07-13 (PCT/US2012/046672)
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[30] US (61/508,444) 2011-07-15
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[25] EN
[54] **N- (6- ((2R,3S) -3,4-DIHYDROXYBUTAN-2-YLOXY) - 2- (4 - FLUOROBENZYLTHIO)PYRIMIDIN- 4 - YL) -3- METHYLAZETIDINE- 1 - SULFONAMIDE AS CHEMOKINE RECEPTOR MODULATOR**
[54] **N-(6-((2R,3S)-3,4-DIHYDROXYBUTAN-2-YLOXY)-2-(4-FLUOROBENZYLTHIO) PYRIMIDIN-4-YL)-3-METHYLAZETIDINE-1-SULFONAMIDE UTILISE EN TANT QUE MODULATEUR DU RECEPTEUR DE CHIMIOKINE**
[72] CONNOLLY, STEPHEN, GB
[72] EBDEN, MARK RICHARD, GB
[72] LANGER, THOMAS, GB
[72] STEVEN, ALAN ROBERT, GB
[72] STEWART, CRAIG ROBERT, GB
[72] TOMLIN, PAULA MARGARET, GB
[72] WALTERS, IAIN ALASTAIR STEWART, GB
[72] WILLIAMS, ANDREW JOHN, GB
[73] ASTRAZENECA AB, SE
[85] 2014-01-09
[86] 2012-07-10 (PCT/GB2012/051620)
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[30] US (61/506,737) 2011-07-12

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[51] **Int.Cl. A61J 17/00 (2006.01) A41D 11/00 (2006.01) A41D 19/01 (2006.01) A41D 20/00 (2006.01)**
[25] EN
[54] **TWO-STAGE TEETHING MITTEN**
[54] **MOUFLE DE DENTITION A DEUX ETAPES**
[72] STEWARD, JULIE, CA
[73] STEWARD, JULIE, CA
[86] (2843572)
[87] (2843572)
[22] 2014-02-25
[30] US (61/933,245) 2014-01-29

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF AUTOIMMUNE AND INFLAMMATORY DISEASES**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES ET INFLAMMATOIRES**
[72] LAURY-KLEINTOP, LISA, US
[72] MANDIK-NAYAK, LAURA, US
[72] PRENDERGAST, GEORGE C., US
[72] DUHADAWAY, JAMES, US
[73] LANKENAU INSTITUTE FOR MEDICAL RESEARCH, US
[85] 2014-02-07
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[51] **Int.Cl. G05D 1/02 (2020.01) B60L 15/00 (2006.01) G08G 1/16 (2006.01) H04L 12/58 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GATHERING VIDEO DATA RELATED TO OPERATION OF AN AUTONOMOUS INDUSTRIAL VEHICLE**
[54] **SYSTEME ET PROCEDE POUR RECUEILLIR DES DONNEES VIDEO LIEES AU FONCTIONNEMENT D'UN VEHICULE INDUSTRIEL AUTONOME**
[72] KUSS, JEFFREY J., US
[72] PAGE, STEPHEN L., US
[72] MCCABE, PAUL P., US
[72] DONAHUE, TIMOTHY E., US
[73] THE RAYMOND CORPORATION, US
[86] (2845229)
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[54] **AIR SUSPENSION CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE SUSPENSION PNEUMATIQUE**
[72] ZAWACKI, JEFFREY R., US
[72] KEELER, MICHAEL J., US
[72] DUDDING, ASHLEY THOMAS, US
[73] HENDRICKSON USA, L.L.C., US
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[25] EN
[54] **HIGH FREQUENCY FLUIDPRESSURE DRIVEN DRILL HAMMER FOR PERCUSSION DRILLING IN HARD FORMATIONS**
[54] **FORAGE PAR MARTEAU A PERCUSSIONS A HAUTE FREQUENCE ET ENTRAINE PAR FLUIDE DANS DES FORMATIONS DURES**
[72] VATNE, PER A., NO
[73] HAMMERGY AS, NO
[85] 2014-02-19
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[54] **NH3 FAULT AND DISTRIBUTION VARIANCE DETECTION SYSTEM**
[54] **ERREUR ET DISTRIBUTION DE NH3 ET SYSTEME DE DETECTION D'ECARTS**
[72] KOCER, JARED E., US
[72] GRABOW, JOSHUA D., US
[72] THOMPSON, WARREN L., US
[72] JENSEN, STEVE S., US
[72] HANSEN, PATRICK A., US
[72] MICHAEL, NICHOLAS O., US
[72] PORTER, SCOTT, US
[72] FOWLER, CLARENCE WALT, US
[72] FOWLER, DAVID A., US
[73] RAVEN INDUSTRIES, INC., US
[86] (2846020)
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[25] EN
[54] **RUBBER-BASED ELASTOMERIC COMPOSITIONS AND ARTICLES OF MANUFACTURE PRODUCED THEREWITH**
[54] **COMPOSITIONS ELASTOMERES A BASE DE CAOUTCHOUC ET ARTICLES MANUFACTURES PRODUITS A L'AIDE DE CELLES-CI**
[72] WILLIAMS, WILLIAM ANDRUS, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2846614)
[87] (2846614)
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[25] EN
[54] **CABLE PASS THROUGH SEALING SYSTEMS**
[54] **DISPOSITIFS D'ETANCHEISATION DE PASSE-CABLE**
[72] COX, MARTIN, CA
[72] JUNG, SYDNEY, CA
[73] SUPERIOR TRAY SYSTEMS INC., CA
[86] (2847606)
[87] (2847606)
[22] 2014-03-26

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[25] EN
[54] **INDAZOLE-3-CARBOXAMIDES AND THEIR USE AS WNT/B-CATENIN SIGNALING PATHWAY INHIBITORS**
[54] **INDAZOLE-3-CARBOXAMIDES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LA VOIE DE SIGNALISATION PAR WNT/B-CATENINE**
[72] HOOD, JOHN, US
[72] KC, SUNIL KUMAR, US
[73] SAMUMED, LLC, US
[85] 2014-03-13
[86] 2012-09-13 (PCT/US2012/055172)
[87] (WO2013/040215)
[30] US (61/534,601) 2011-09-14
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[13] C
[51] **Int.Cl. B61F 5/12 (2006.01) B61B 9/00 (2006.01) B61B 12/00 (2006.01) B61F 5/24 (2006.01)**
[25] EN
[54] **CABLE TRANSPORTATION SYSTEM BOGIE, AND CABLE TRANSPORTATION SYSTEM COMPRISING SUCH A BOGIE**
[54] **BOGIE DE SYSTEME DE TRANSPORT PAR CABLE ET SYSTEME DE TRANSPORT PAR CABLE COMPORTANT UN TEL BOGIE**
[72] BAVARESCO, FEDERICO, IT
[72] COCO, FRANCO, IT
[72] MOLLET, ALAIN, FR
[72] CONTE, GIUSEPPE, IT
[73] LEITNER S.P.A., IT
[86] (2848797)
[87] (2848797)
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[13] C
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[25] EN
[54] **DISC MOUNTING ASSEMBLY FOR A VERTICAL TILLAGE IMPLEMENT**
[54] **DISPOSITIF D'INSTALLATION DE DISQUE POUR UN INSTRUMENT ARATOIRE VERTICAL**
[72] REDEKOP, JOHAN, CA
[73] REDEKOP, JOHAN, CA
[86] (2849220)
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[51] **Int.Cl. F16L 3/12 (2006.01) A62C 35/68 (2006.01) F16L 3/24 (2006.01)**
[25] EN
[54] **SWAY BRACE RETAINING CLIP**
[54] **ETRIER DE RETENUE DE PATTE CALANTE**
[72] RADZIK, JOSEPH G., US
[73] ANVIL INTERNATIONAL, LLC, US
[86] (2851569)
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[30] US (13/917,455) 2013-06-13

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[51] **Int.Cl. A63B 21/22 (2006.01) A63B 21/02 (2006.01) A63B 23/02 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **EXERCISE DEVICE**
[54] **DISPOSITIF D'EXERCICE PHYSIQUE**
[72] JONES, DYLAN, US
[73] JONES, DYLAN, US
[86] (2851835)
[87] (2851835)
[22] 2014-05-13
[30] US (61/822,697) 2013-05-13
[30] US (14/275,635) 2014-05-12

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[13] C
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[25] EN
[54] **DRIVE COUPLER FOR A RECIPROCATING KNIFE**
[54] **RACCORD D'ENTRAINEMENT POUR UN COUTEAU ALTERNATIF**
[72] RITTER, AARON S., US
[72] HUGHES, AUSTIN, US
[73] DEERE & COMPANY, US
[86] (2854403)
[87] (2854403)
[22] 2014-06-16
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[51] **Int.Cl. E21B 43/30 (2006.01) E21B 43/24 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **BOTTOM-UP GRAVITY-ASSISTED PRESSURE DRIVE**
[54] **SYSTEME D'ENTRAINEMENT A PRESSION ASCENDANT ASSISTE PAR LA GRAVITE**
[72] YUAN, YANGUANG, CA
[72] DONG, MINGZHE, CA
[73] BITCAN GEOSCIENCES & ENGINEERING INC., CA
[86] (2854523)
[87] (2854523)
[22] 2014-06-18

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[13] C
[51] **Int.Cl. A01N 61/00 (2006.01) A01N 25/30 (2006.01) A01N 33/12 (2006.01) A01N 37/00 (2006.01) A01N 43/40 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS COMPRISING BIOCIDE, PH BUFFER AND SURFACTANT**
[54] **COMPOSITIONS ANTIMICROBIENNES COMPRENANT UN BIOCIDE, UN TAMPON POUR PH ET UN SURFACTIF**
[72] SOOKRAM, BURT R., US
[72] VEENSTRA, JOHN W., US
[73] NBIP, LLC, US
[85] 2014-05-06
[86] 2012-11-06 (PCT/US2012/063670)
[87] (WO2013/067544)
[30] US (61/556,264) 2011-11-06
[30] US (61/556,241) 2011-11-06
[30] US (61/556,247) 2011-11-06

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[54] **METHOD AND CONSTRUCT FOR SYNTHETIC BIDIRECTIONAL SCBV PLANT PROMOTER**
[54] **PROCEDE ET CONSTRUCTION POUR UN PROMOTEUR BIDIRECTIONNEL SYNTHETIQUE DE PLANTE SCBV**
[72] KUMAR, SANDEEP, US
[72] ALABED, DIAA, US
[72] BENNETT, SARA, US
[72] GUPTA, MANJU, US
[72] JAYNE, SUSAN, US
[72] WRIGHT, TERRY R., US
[73] DOW AGROSCIENCES LLC, US
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[54] **ELEMENT DE COUVERTURE, PROCEDE ET MODULE DE TRAITEMENT POUR TRAITER UN ECHANTILLON BIOLOGIQUE SUR UN SUBSTRAT**
[72] DOCKRILL, MARK BRIAN, AU
[72] FAVALORO, ANTHONY, AU
[72] NG, KENNETH HENG-CHONG, AU
[72] LIMON, MARTIN, AU
[72] TOOGOOD, PETER, AU
[72] BAGNATO, STEPHEN JOHN, AU
[73] LEICA BIOSYSTEMS MELBOURNE PTY LTD, AU
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[73] SMITHS HEIMANN GMBH, DE
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[54] **ELECTROCATALYST FOR FUEL CELLS AND METHOD FOR PRODUCING SAID ELECTROCATALYST**
[54] **ELECTROCATALYSEUR POUR PILES A COMBUSTIBLE ET SON PROCEDE DE FABRICATION**
[72] KLOSE-SCHUBERT, BARBARA, DE
[72] HEREIN, DANIEL, DE
[72] LOPEZ, MARCO, DE
[72] BECKER, CARSTEN, DE
[73] UMICORE AG & CO. KG, DE
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[72] SWANNIE, KARL ALEXANDER, CA
[72] TURNER, NICHOLAS JAMES NICKERSON, CA
[72] ANDERSON, MICHAEL ROBERT, CA
[72] JUBINVILLE, JASON PAUL JAMES, CA
[73] ECHOSEC SYSTEMS LTD., CA
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[54] **STARTING A SMELTING PROCESS**
[54] **DEMARRAGE D'UN PROCESSUS DE FUSION**
[72] PILOTE, JACQUES, AU
[72] DRY, RODNEY JAMES, AU
[72] MEIJER, HENDRIKUS KOENRAAD ALBERTUS, NL
[73] TATA STEEL LIMITED, IN
[85] 2014-06-04
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[54] **SYSTEM FOR IMAGING LESIONS ALIGNING TISSUE SURFACES**
[54] **SYSTEME POUR L'IMAGERIE DE LESIONS ALIGNANT DES SURFACES DE TISSU**
[72] SHACHAF, CATHERINE M., US
[72] SHACHAF, AMIT, US
[73] SHACHAF, CATHERINE M., US
[73] SHACHAF, AMIT, US
[85] 2014-06-06
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[54] **THERMAL BREAK FOR CURTAIN WALL**
[54] **ISOLANT THERMIQUE POUR PAROI A RIDEAU**
[72] MAGOON, ROBERT D., US
[72] HUGHES, JAMES ALAN, US
[72] SMITH, CHRIS, US
[73] PELLA CORPORATION, US
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[54] **LOCOMOTIVE-TO-WAYSIDE DEVICE COMMUNICATION SYSTEM AND METHOD AND WAYSIDE DEVICE THEREFOR**
[54] **MECANISME DE COMMUNICATION LOCOMOTIVE-VOIE ET METHODE ET DISPOSITIF DE VOIE ASSOCIES**
[72] KERNWEIN, JEFFREY D., US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[86] (2858798)
[87] (2858798)
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[54] **UTILISATION DE MODULATEURS DES CANAUX TRPC4 DANS LE TRAITEMENT ET LA PREVENTION DE LA DOULEUR**
[72] OSTERAG, ERIC M., US
[72] CRAWFORD, JOHN STEWART, US
[73] TRANSPOSAGEN BIOPHARMACEUTICALS, INC., US
[85] 2014-06-13
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[54] **METHODS FOR MODULATING METASTASIS-ASSOCIATED-IN-LUNG-ADENOCARCINOMA-TRANSCRIPT-1(MALAT-1) EXPRESSION**
[54] **PROCEDES POUR LA MODULATION D'UNE EXPRESSION D'UN TRANSCRIT 1 D'ADENOCARCINOME ASSOCIE A LA METASTASE (MALAT-1)**
[72] BENNETT, C. FRANK, US
[72] FREIER, SUSAN M., US
[72] MARCUSSON, ERIC G., US
[72] HSU, SSUCHENG J., US
[72] MACLEOD, ROBERT A., US
[73] IONIS PHARMACEUTICALS, INC., US
[85] 2014-06-17
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[54] **A PROCESS FOR PREPARING COLOR DISPERSIONS AND THE COLOR DISPERSIONS MADE THEREOF**
[54] **PROCEDE DE PREPARATION DE DISPERSIONS DE COULEUR ET DISPERSIONS DE COULEUR AINSI PREPAREES**
[72] YUN, DONG, CN
[72] LIU, HUI, CN
[72] WANG, YUJIANG, CN
[72] JIANG, SIYUAN, CN
[73] ROHM AND HAAS COMPANY, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[86] (2860049)
[87] (2860049)
[22] 2014-08-21
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[54] **METHOD FOR STABILIZING LIGNIN FIBER FOR FURTHER CONVERSION TO CARBON FIBER**
[54] **PROCEDE DE STABILISATION DE FIBRE DE LIGNINE POUR LA CONVERSION ULTERIEURE EN FIBRE DE CARBONE**
[72] SJOHOLM, ELISABETH, SE
[72] GELLERSTEDT, GORAN, SE
[72] DROUGGE, RICKARD, SE
[72] NORBERG, IDA, SE
[73] RISE INNVENTIA AB, SE
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[54] **MODULAR CONSTRUCTION SYSTEM FOR REINFORCING FOUNDATION, PILLARS, ISOLATED FOOTINGS AND ANTI-SEISMIC SEPARATORS, INTENDED FOR VARIABLE-GEOMETRY HEAT-INSULATION FORMWORK**
[54] **SYSTEME DE CONSTRUCTION MODULAIRE DESTINE A RENFORCER DES FONDATIONS, DES PILIERS, DES SEMELLES ISOLEES ET DES SEPARATEURS ANTISISMIQUES CONCUS POUR COFFRAGE THERMO-ISOLANT A GEOMETRIE VARIABLE**
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[73] CABONI, MICHELE, IT
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[54] **OPTIMIZING AND CONTROLLING THE ENERGY CONSUMPTION OF A BUILDING**
[54] **PROCEDES ET SYSTEMES POUR OPTIMISER ET CONTROLER LA CONSOMMATION D'ENERGIE D'UN BATIMENT**
[72] SLOOP, CHRISTOPHER, DALE, US
[72] OBERHOLZER, DAVID, US
[72] MARSHALL, ROBERT, S., US
[72] KIM, JUNGHO, US
[72] SIEMANN, MICHAEL, US
[73] UNIVERSITY OF MARYLAND, COLLEGE PARK, US
[73] ADEMCO INC., US
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[54] **IMAGE DECODING DEVICE, IMAGE ENCODING DEVICE, AND DATA STRUCTURE OF ENCODED DATA**
[54] **DISPOSITIF DE DECODAGE D'IMAGE, DISPOSITIF DE CODAGE D'IMAGE ET STRUCTURE DE DONNEES DE DONNEES CODEES**
[72] YAMAMOTO, TOMOYUKI, JP
[72] IKAI, TOMOHIRO, JP
[72] YASUGI, YUKINOBU, JP
[72] TSUKUBA, TAKESHI, JP
[73] SHARP KABUSHIKI KAISHA, JP
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[54] **SYSTEMS AND METHODS FOR PRIORITY BASED SESSION AND MOBILITY MANAGEMENT DUAL- PRIORITY MTC DEVICES**
[54] **SYSTEMES ET PROCEDES DE GESTION PAR PRIORITE DE SESSIONS ET DE MOBILITE DE DISPOSITIFS MTC A DOUBLE PRIORITE**
[72] STUPAR, PATRICK, US
[72] GRIOT, MIGUEL, US
[72] SUBRAMANIAN, RAMACHANDRAN, US
[73] QUALCOMM INCORPORATED, US
[85] 2014-07-09
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[54] **SYSTEMS AND METHODS FOR DETERMINING CONTAINER CONTENTS, LOCATIONS, AND SURROUNDINGS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETERMINER LE CONTENU, LA LOCALISATION, ET L'ENVIRONNEMENT D'UN RECIPIENT**
[72] STEIN, JOSHUA, US
[72] LANGHAUSER, JOHN, US
[72] MORENA, MICHAEL, US
[72] JOVANOV, EMIL, US
[73] DIGITAL MEDICAL TECHNOLOGIES, LLC (D/B/A ADHERETECH), US
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, FOR AND ON BEHALF OF THE UNIVERSITY OF ALABAMA IN HUNTSVILLE, US
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[54] **PYRIMIDINEDIAMINES 2,4-SUBSTITUEES POUR APPLICATION AU TRAITEMENT DU LUPUS DISCOIDE**
[72] MAGILAVY, DANIEL, US
[72] PINE, POLLY, US
[73] RIGEL PHARMACEUTICALS, INC., US
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[54] **SELS D'INHIBITEUR DE KINASES DU RECEPTEUR DE FACTEUR DE CROISSANCE EPIDERMIQUE**
[72] LAI, MEI, US
[72] WITOWSKI, STEVEN RICHARD, US
[72] TESTER, RICHLAND WAYNE, US
[72] LEE, KWANGHO, US
[73] CELGENE CAR LLC, BM
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[54] **TREATMENT OF RESPIRATORY DEPRESSION**
[54] **TRAITEMENT DE LA DEPRESSION RESPIRATOIRE**
[72] CAVALLA, DAVID, GB
[73] NUMEDICUS LIMITED, GB
[85] 2014-09-23
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[54] **PRODUCTION OF NEAR MONODISPERSE PARTICLES USING MILLING AND MEMBRANE SEPARATION**
[54] **PRODUCTION DE PARTICULES PRESQUE MONODISPERSEES A L'AIDE D'UN BROYAGE ET D'UNE SEPARATION A MEMBRANE**
[72] SANTOS, JOSE LUIS, PT
[72] GASPAR, FILIPE, PT
[73] HOVIONE INTERNATIONAL LTD, CN
[85] 2014-09-26
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[72] REBER, LARRY F., US
[73] REBER, LARRY F., US
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[25] EN
[54] **METHOD FOR PREPARING A MEMBRANE FROM FIBRIL CELLULOSE AND FIBRIL CELLULOSE MEMBRANE**
[54] **PROCEDE DE PREPARATION D'UNE MEMBRANE A PARTIR DE CELLULOSE SOUS FORME DE FIBRILLES ET MEMBRANE EN CELLULOSE SOUS FORME DE FIBRILLES**
[72] BESSONOFF, MARKO, FI
[72] PALTAKARI, JOUNI, FI
[72] LAUKKANEN, ANTTI, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2014-10-03
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[25] EN
[54] **ACYL-HYDRAZONE AND OXADIAZOLE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME AND USES THEREOF**
[54] **COMPOSES ACYL-HYDRAZONES ET OXADIAZOLS, COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT ET UTILISATIONS CORRESPONDANTES**
[72] NUNES, RICARDO JOSE, BR
[72] MASCARELLO, ALESSANDRA, BR
[72] YUNES, ROSENDO AUGUSTO, BR
[72] STUMPF, TAISA REGINA, BR
[72] LEAL, PAULO CESAR, BR
[72] YUNES, JOSE ANDRES, BR
[72] PEREIRA DE SOUZA MELO, CAROLINA, BR
[72] CANEVAROLO, RAFAEL RENATINO, BR
[72] DOMENEGHINI CHIARADIA, LOUISE, BR
[72] BORTOLINI SILVEIRA, ANDRE, BR
[72] LARANJEIRA, ANGELO BRUNELLI ALBERTONI, BR
[73] UNIVERSIDADE FEDERAL DE SANTA CATARINA, BR
[73] CENTRO INFANTIL DE INVESTIGACOES HEMATOLOGICAS DR. DOMINGOS A. BOLDRINI, BR
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[25] EN
[54] **INTEGRATED, WATER TIGHT, LED ARRAY HOLDER ASSEMBLY**
[54] **ENSEMBLE SUPPORT DE RESEAU DE DEL INTEGRE ETANCHE A L'EAU**
[72] LESHNIAK, ITAI, US
[72] POPPENHEIMER, TORI, US
[73] AMERLUX LLC, US
[85] 2014-10-14
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[30] US (61/623,440) 2012-04-12
[30] US (13/839,147) 2013-03-15

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[25] EN
[54] **FOLDOVER SENSORS AND METHODS FOR MAKING AND USING THEM**
[54] **CAPTEURS AVEC REPLIS ET LEURS PROCEDES DE REALISATION ET D'UTILISATION**
[72] LITTLE, MEGAN E., US
[72] WOLFE, KATHERINE T., US
[72] RAGHAVENDHAR, GAUTHAM, US
[72] LIANG, BRADLEY CHI, US
[72] SHAH, RAJIV, US
[73] MEDTRONIC MINIMED, INC., US
[85] 2014-10-14
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[30] US (61/651,889) 2012-05-25
[30] US (13/779,271) 2013-02-27

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[25] EN
[54] **SMALL MODULAR REACTOR FUEL ASSEMBLY**
[54] **ENSEMBLE COMBUSTIBLE POUR PETIT REACTEUR MODULAIRE**
[72] WALTON, LEWIS A., US
[72] PABIS, GEORGE S., US
[72] ULLMANN, JULIUS M., US
[72] RAAS, JEAN H., US
[72] GILLIAM, MARTHA A., US
[72] AUSTIN, ANNE R., US
[72] BARRINGER, ERIC A., US
[73] BWXT MPOWER, INC., US
[85] 2014-10-15
[86] 2013-04-17 (PCT/US2013/036888)
[87] (WO2013/158711)
[30] US (61/625,448) 2012-04-17
[30] US (13/864,315) 2013-04-17

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[25] EN
[54] **POWER DISTRIBUTION PLATE FOR POWERING INTERNAL CONTROL ROD DRIVE MECHANISM (CRDM) UNITS**
[54] **PLAQUE DE DISTRIBUTION DE PUISSANCE D'ALIMENTATION D'UNITES MECANISMES DE COMMANDE DE GRAPPES (CRDM) INTERNES**
[72] SHARGOTS, SCOTT J., US
[73] BWXT MPOWER, INC., US
[85] 2014-10-16
[86] 2013-04-10 (PCT/US2013/035907)
[87] (WO2013/176791)
[30] US (61/625,200) 2012-04-17
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[54] **GOUPILLES DE POSITION POUR RACCORD D'EXTREMITE INFERIEUR**
[72] ULLMANN, JULIUS M., US
[72] WALTON, LEWIS A., US
[72] JOHNSON, MARY W., US
[73] BWXT MPOWER, INC., US
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[25] EN
[54] **PERMEABLE GLYCOSIDASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE GLYCOSIDASE PERMEABLES ET LEURS UTILISATIONS**
[72] SELNICK, HAROLD G., US
[72] LI, WENPING, US
[72] HOSTETLER, ERIC, US
[72] LIU, KUN, CN
[72] MCEACHERN, ERNEST J., CA
[72] ZHOU, YUANXI, CA
[72] WEI, ZHONGYONG, CN
[72] MU, CHANGWEI, CN
[72] WANG, YAODE, CN
[72] CHANG, JIANG, CN
[73] MERCK SHARP & DOHME CORP., US
[73] ALECTOS THERAPEUTICS INC., CA
[85] 2014-10-28
[86] 2013-05-03 (PCT/US2013/039377)
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[54] **MODULAR CONSTANT CURRENT REGULATOR**
[54] **REGULATEUR A COURANT CONSTANT MODULAIRE**
[72] DELLACORNA, LORENZO, IT
[72] CANETTA, FEDERICO, IT
[73] ADB SAFEGATE BVBA, BE
[85] 2014-10-30
[86] 2013-06-26 (PCT/EP2013/063421)
[87] (WO2014/001402)
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[25] EN
[54] **AQUEOUS ALKANOLAMINE ABSORBENT COMPOSITION COMPRISING PIPERAZINE FOR ENHANCED REMOVAL OF HYDROGEN SULFIDE FROM GASEOUS MIXTURES AND METHOD FOR USING THE SAME**
[54] **COMPOSITION AQUEUSE ABSORBANTE D'ALCANOLAMINE COMPRENANT DE LA PIPERAZINE POUR UNE ELIMINATION AMELIOREE DE SULFURE D'HYDROGENE A PARTIR DE MELANGES GAZEUX ET SON PROCEDE D'UTILISATION**
[72] LAROCHE, CHRISTOPHE R., US
[72] PADILLA, GERARDO, US
[72] HALNON, TIMOTHY D., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2014-10-31
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[30] US (61/666,332) 2012-06-29

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[51] **Int.Cl. A61B 17/88 (2006.01) A61B 1/317 (2006.01)**
[25] EN
[54] **ILLUMINATED ENDOSCOPIC PEDICLE PROBE WITH REPLACEABLE TIP**
[54] **SONDE DE PEDICULE ENDOSCOPIQUE ECLAIREE AYANT UNE POINTE REMPLACABLE**
[72] JACKSON, AVERY M., III, US
[73] JACKSON, AVERY M., III, US
[85] 2014-11-06
[86] 2012-12-28 (PCT/US2012/072175)
[87] (WO2013/172869)
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[25] EN
[54] **FLUID DISPENSER**
[54] **DISTRIBUTEUR DE FLUIDE**
[72] KELLY, NIGEL, US
[73] KELLY, NIGEL, US
[85] 2014-11-13
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[25] EN
[54] **PRODUCT ORIENTOR**
[54] **ORIENTEUR DE PRODUIT**
[72] MORENCY, SYLVAIN-PAUL, CA
[72] METIVIER, REGIS, CA
[72] DUCHARME, MARC, CA
[72] JODOIN, ROBERT, CA
[72] SIMON, CHRISTIAN, CA
[72] FORGET, JEAN-FRANCOIS, CA
[73] SYMBOTIC CANADA, ULC, CA
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[87] (2873752)
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[51] **Int.Cl. B29C 70/08 (2006.01) B29C 70/52 (2006.01) B29C 70/86 (2006.01)**
[25] EN
[54] **PUL-CORE METHOD WITH A PMI FOAM CORE**
[54] **PROCEDE "PUL-CORE" AVEC NOYAU DE MOUSSE PMI**
[72] KRAATZ, ARNIM, DE
[72] SEMLITSCH, KARL-HEINZ, AT
[73] SECAR TECHNOLOGIE GMBH, AT
[73] EVONIK OPERATIONS GMBH, DE
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[25] EN
[54] **OXIDIZED REGENERATED CELLULOSE HEMOSTATIC POWDERS AND METHODS OF MAKING**
[54] **POUDRES HEMOSTATIQUES DE CELLULOSE REGENEREE OXYDEE ET PROCEDES DE FABRICATION**
[72] WANG, YI-LAN, US
[72] ZHANG, GUANGHUI, US
[73] ETHICON, INC., US
[85] 2014-11-24
[86] 2013-05-22 (PCT/US2013/042149)
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[51] **Int.Cl. A01K 1/015 (2006.01)**
[25] EN
[54] **LOW-DUST ANIMAL LITTERS AND METHODS FOR MAKING SAME**
[54] **LITIERES ANIMALES QUASI EXEMPTES DE POUSSIERE ET LEURS PROCEDES DE FABRICATION**
[72] ZHANG, YIMIN, US
[72] JEMMOTT, EMILY ALISON, US
[72] VERA, GUSTAVO, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2014-11-26
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[51] **Int.Cl. B65B 35/00 (2006.01)**
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[54] **PHARMACY PACKAGING SYSTEM**
[54] **SYSTEME DE CONDITIONNEMENT DE PHARMACIE**
[72] HOLMES, WILLIAM K., US
[73] RXSAFE LLC, US
[85] 2014-11-27
[86] 2013-05-30 (PCT/US2013/043402)
[87] (WO2013/181416)
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[51] **Int.Cl. F24H 3/04 (2006.01) F24F 11/70 (2018.01) F23N 5/00 (2006.01) F24C 15/20 (2006.01) F24F 7/08 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **METHODS FOR OPERATING HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS**
[54] **PROCEDES D'UTILISATION DE SYSTEMES DE CHAUFFAGE, DE VENTILATION ET D'AIR CONDITIONNE**
[72] BERNARD, PHILIPPE E.J., CA
[72] GRETILLAT, MARC, CA
[72] ROUSSEAU, ALEXANDRE, CA
[72] ROUSSEAU, MARIO, CA
[73] INTELLINOX INC., CA
[85] 2014-12-04
[86] 2013-06-07 (PCT/CA2013/050437)
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[25] EN
[54] **METHOD FOR DETECTING NUCLEIC ACID AND NUCLEIC ACID DETECTION KIT**
[54] **PROCEDE DE DETECTION D'UN ACIDE NUCLEIQUE ET KIT DE DETECTION AFFERENT**
[72] NAKAMURA, FUMIO, JP
[72] UEDA, YOJI, JP
[72] ARIKE, TAKAFUMI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2014-12-18
[86] 2013-06-19 (PCT/JP2013/066799)
[87] (WO2013/191197)
[30] JP (2012-138336) 2012-06-20

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[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **METHOD FOR ENGINEERING PROTEASES AND PROTEIN KINASES**
[54] **PROCEDE POUR L'INGENIERIE DE PROTEASES ET DE PROTEINE KINASES**
[72] IVERSON, BRENT, US
[72] GEORGIOU, GEORGE, US
[72] TAFT, JOSEPH M., US
[72] YI, LI, US
[73] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2014-12-18
[86] 2013-06-25 (PCT/US2013/047663)
[87] (WO2014/004540)
[30] US (61/663,685) 2012-06-25
[30] US (61/720,461) 2012-10-31
[30] US (61/731,196) 2012-11-29

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[13] C
[51] **Int.Cl. H04W 48/08 (2009.01) H04W 4/80 (2018.01) H04W 76/15 (2018.01)**
[25] EN
[54] **HOST DEVICE, CLIENT DEVICE AND METHOD FOR WIRELESS DOCKING IN A DYNAMIC ENVIRONMENT FOR MULTIPLE CLIENTS**
[54] **DISPOSITIF HOTE, DISPOSITIF CLIENT ET PROCEDE DE CONNEXION SANS FIL DANS UN ENVIRONNEMENT DYNAMIQUE POUR DE MULTIPLES CLIENTS**
[72] DEES, WALTER, NL
[72] BERNSEN, JOHANNES ARNOLDUS CORNELIS, NL
[73] KONINKLIJKE PHILIPS N.V., NL
[85] 2014-12-30
[86] 2013-10-11 (PCT/IB2013/059303)
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[51] **Int.Cl. A45F 3/04 (2006.01) A44B 11/25 (2006.01) A45F 3/12 (2006.01) A45F 3/14 (2006.01)**
[25] EN
[54] **CARRYING SYSTEM**
[54] **SYSTEME DE TRANSPORT**
[72] BERGKVIST, CLAES, SE
[73] COXA CARRY AB, SE
[85] 2015-01-06
[86] 2013-07-11 (PCT/EP2013/064732)
[87] (WO2014/009493)
[30] SE (1250825-5) 2012-07-12

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[13] C
[51] **Int.Cl. A61L 15/28 (2006.01) A61L 15/44 (2006.01) A61L 15/64 (2006.01) C08L 1/02 (2006.01) C08L 5/08 (2006.01)**
[25] EN
[54] **METHOD OF PREPARATION OF HAEMOSTATIC PATCH COMPRISING NEUTRALIZING CHITOSAN FILM**
[54] **PROCEDE DE PREPARATION D'UN TIMBRE HEMOSTATIQUE COMPRENANT UN FILM NEUTRALISE A BASE DE CHITOSANE**
[72] SERRERO, AURELIE, FR
[72] MONTANARI, SUZELEI, FR
[73] SOFRADIM PRODUCTION, FR
[85] 2015-01-21
[86] 2013-09-25 (PCT/EP2013/069957)
[87] (WO2014/048982)
[30] FR (12/58965) 2012-09-25

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[13] C
[51] **Int.Cl. B29C 65/76 (2006.01) B65B 7/28 (2006.01) B65D 17/50 (2006.01)**
[25] EN
[54] **METAL CANS WITH PEELABLE LIDS**
[54] **CANETTES METALLIQUES A COUVERCLES PELABLES**
[72] COMBE, FLORIAN CHRISTIAN GREGORY, GB
[73] CROWN PACKAGING TECHNOLOGY, INC., US
[85] 2015-01-21
[86] 2013-08-06 (PCT/GB2013/052093)
[87] (WO2014/027180)
[30] GB (1214716.1) 2012-08-17

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[13] C
[51] **Int.Cl. E21B 43/243 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **IN SITU COMBUSTION FOR STEAM RECOVERY INFILL**
[54] **COMBUSTION IN SITU POUR UN REMPLISSAGE DE RECUPERATION DE VAPEUR**
[72] SULTENFUSS, DANIEL RAY, CA
[72] DREHER, WAYNE REID, US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2015-02-05
[86] 2013-08-22 (PCT/US2013/056152)
[87] (WO2014/035788)
[30] US (61/693,923) 2012-08-28
[30] US (13/973,036) 2013-08-22

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[13] C
[51] **Int.Cl. A61C 9/00 (2006.01) A61C 7/00 (2006.01)**
[25] EN
[54] **A METHOD AND A SYSTEM USABLE IN CREATING A SUBSEQUENT DENTAL APPLIANCE**
[54] **PROCEDE ET SYSTEME POUVANT ETRE UTILISES POUR CREER UN APPAREIL DENTAIRE SUBSEQUENT**
[72] KUO, ERIC, US
[73] ALIGN TECHNOLOGY, INC., US
[85] 2015-02-10
[86] 2013-08-23 (PCT/IB2013/001832)
[87] (WO2014/037778)
[30] US (13/605,949) 2012-09-06

[11] **2,881,702**
[13] C
[51] **Int.Cl. C08L 23/04 (2006.01)**
[25] EN
[54] **ETHYLENE-BASED POLYMER COMPOSITIONS, AND ARTICLES PREPARED FROM THE SAME**
[54] **COMPOSITIONS DE POLYMERE A BASE D'ETHYLENE ET ARTICLES PREPARES A PARTIR DE CELLES-CI**
[72] KAPUR, MRIDULA, US
[72] TAMBLING, TROY M., US
[72] WHITED, STEPHANIE M., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-02-10
[86] 2013-09-12 (PCT/US2013/059484)
[87] (WO2014/043364)
[30] US (61/700,372) 2012-09-13

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[13] C
[51] **Int.Cl. A47B 46/00 (2006.01) A47B 88/60 (2017.01) A47B 49/00 (2006.01)**
[25] EN
[54] **CONTAINER ORGANIZING APPARATUS AND SYSTEM**
[54] **SYSTEME ET APPAREIL D'ORGANISATION DE CONTENANTS**
[72] PRESENTY, TAL, IL
[73] PRESENTY, TAL, IL
[85] 2015-02-17
[86] 2012-08-30 (PCT/IL2012/000325)
[87] (WO2013/030826)
[30] US (61/530,151) 2011-09-01

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[13] C
[51] **Int.Cl. B67D 7/04 (2010.01) B67D 7/32 (2010.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LIMITING ACIDIC CORROSION IN FUEL DELIVERY SYSTEMS**
[54] **PROCEDE ET APPAREIL PERMETTANT DE LIMITER LA CORROSION ACIDE DANS DES SYSTEMES DE DISTRIBUTION DE CARBURANT**
[72] SABO, LORRAINE VANDER WIELEN, US
[72] NELSON, WILLIAM, US
[73] FRANKLIN FUELING SYSTEMS, INC., US
[85] 2015-02-19
[86] 2013-08-13 (PCT/US2013/054734)
[87] (WO2014/031389)
[30] US (61/691,994) 2012-08-22

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[13] C
[51] **Int.Cl. A61K 31/7024 (2006.01) A61K 31/7004 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01)**
[25] EN
[54] **TREATMENT OF SICKLE CELL DISEASE AND INFLAMMATORY CONDITIONS**
[54] **TRAITEMENT DE LA DREPANOCYTOSE ET DE TROUBLES INFLAMMATOIRES**
[72] BENJAMIN, DENNIS R., US
[72] OKELEY, NICOLE, US
[72] VERCELLOTTI, GREGORY M., US
[72] BELCHER, JOHN D., US
[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[73] SEATTLE GENETICS, INC., US
[85] 2015-02-20
[86] 2013-08-22 (PCT/US2013/056223)
[87] (WO2014/031875)
[30] US (61/692,567) 2012-08-23
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[51] **Int.Cl. B25B 13/50 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **TOOL FOR INSTALLING AND REMOVING THREADED MEMBERS**
[54] **OUTIL D'INSTALLATION ET DE RETRAIT D'ELEMENTS FILETES**
[72] KROLL, PETER, US
[73] KROLL, PETER, US
[85] 2015-02-23
[86] 2013-08-23 (PCT/US2013/056415)
[87] (WO2014/031969)
[30] US (61/692,479) 2012-08-23

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[13] C
[51] **Int.Cl. G01S 13/90 (2006.01) H01Q 21/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR SYNTHETIC IMAGING OF AN OBJECT**
[54] **APPAREIL D'IMAGERIE DE SYNTHESE D'UN OBJET**
[72] SHEEN, DAVID M., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2015-02-25
[86] 2013-07-25 (PCT/US2013/051970)
[87] (WO2014/058512)
[30] US (13/629,849) 2012-09-28

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[51] **Int.Cl. B01J 27/051 (2006.01) B01J 27/043 (2006.01) B01J 27/047 (2006.01) B01J 27/049 (2006.01) B01J 27/24 (2006.01) B01J 31/00 (2006.01)**
[25] EN
[54] **HYDROCONVERSION MULTI-METALLIC CATALYSTS AND METHOD FOR MAKING THEREOF**
[54] **CATALYSEUR MULTIMETALLIQUE D'HYDROCONVERSION ET PROCEDE POUR LE PREPARER**
[72] HAN, JINYI, US
[72] KUPERMAN, ALEXANDER E., US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[72] TREVINO, HORACIO, US
[73] CHEVRON U.S.A. INC., US
[85] 2015-02-27
[86] 2013-09-05 (PCT/US2013/058346)
[87] (WO2014/039735)
[30] US (61/697,063) 2012-09-05
[30] US (61/801,683) 2013-03-15

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[25] EN
[54] **SYNERGISTIC WEED CONTROL FROM APPLICATIONS OF AMINOCYCLOPYRACHLOR AND AMINOPYRALID**
[54] **LUTTE SYNERGIQUE CONTRE LES MAUVAISES HERBES PAR DES APPLICATIONS D'AMINOCYCLOPYRACHLORE ET D'AMINOPYRALIDE**
[72] BRINKWORTH, LOUISE A., GB
[72] MANN, RICHARD K., US
[72] FISHER, MARC L., US
[72] PETERSON, VANELLE F., US
[72] LANGSTON, VERNON B., US
[72] MASTERS, ROBERT A., US
[72] HALSTVEDT, MARY B., US
[73] DOW AGROSCIENCES LLC, US
[85] 2015-03-10
[86] 2013-09-27 (PCT/US2013/062264)
[87] (WO2014/052805)
[30] US (61/707,430) 2012-09-28

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[13] C
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[25] EN
[54] **FUNGICIDAL COMPOSITION COMPRISING MANCOZEB AND CHLOROTHALONIL**
[54] **COMPOSITION FONGIQUE RENFERMANT DU MANCOZEB ET DU CHLOROTHALONIL**
[72] SHROFF, JAIDEV RAJNIKANT, IN
[72] SHROFF, VIKRAM RAJNIKANT, IN
[72] ROBINSON, PHILIP WAYNE, US
[72] SEARS, BETH ERRICKSON, US
[72] JADHAV, PRAKASH MAHADEV, IN
[73] UPL LIMITED, IN
[85] 2015-03-11
[86] 2013-09-25 (PCT/IB2013/058833)
[87] (WO2014/060880)
[30] IN (1194/KOL/2012) 2012-10-18

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[13] C
[51] **Int.Cl. B05B 1/32 (2006.01) A23B 7/158 (2006.01) A47F 3/00 (2006.01) A47F 3/04 (2006.01) A47F 7/00 (2006.01) B05B 1/14 (2006.01) B05B 1/26 (2006.01) B05B 7/00 (2006.01) F24F 6/14 (2006.01)**
[25] FR
[54] **FOG DISTRIBUTION HEAD FOR A FOGGING APPARATUS**
[54] **TETE DE DIFFUSION DE BROUILLARD POUR UNE INSTALLATION DE NEBULISATION**
[72] GSCHWIND, MICHEL, FR
[72] RICHARD, FREDERIC, FR
[73] ARECO FINANCES ET TECHNOLOGIE - ARFITEC, FR
[85] 2015-03-13
[86] 2013-09-18 (PCT/FR2013/052155)
[87] (WO2014/044971)
[30] FR (1258806) 2012-09-19

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[13] C
[51] **Int.Cl. D21J 1/00 (2006.01) D21J 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING BIODEGRADABLE MOULDINGS, IN PARTICULAR TABLEWARE AND PACKAGES**
[54] **PROCEDE DE FABRICATION DE CORPS MOULES BIODEGRADABLES, EN PARTICULIER DES ARTICLES DE TABLE ET DES EMBALLAGES**
[72] WYSOCKI, JERZY, PL
[73] ASTON INVESTMENT SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2015-03-24
[86] 2013-09-27 (PCT/PL2013/000123)
[87] (WO2014/051447)
[30] PL (P.400981) 2012-09-28

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[13] C
[51] **Int.Cl. A61K 35/36 (2015.01) A61K 31/7012 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 25/04 (2006.01) A61P 27/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **EXTRACT AND FORMULATION INCLUDING EXTRACT**
[54] **EXTRAIT, ET PREPARATION COMPRENANT CET EXTRAIT**
[72] NAKAZAWA, YOSHITAKA, JP
[72] SHIBAYAMA, YOJI, JP
[72] NAKAMURA, KO, JP
[73] NIPPON ZOKI PHARMACEUTICAL CO., LTD., JP
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[54] **A COMBINATION OF ADRENALIN WITH AN ANTIDEPRESSANT FOR USE IN THE TREATMENT OF SHOCKS**
[54] **COMBINAISON D'ADRENALINE ET D'ANTIDEPRESSEUR POUR SON UTILISATION DANS LE TRAITEMENT DES CHOCS**
[72] SCHWARTZ, JEAN-CHARLES, FR
[72] LIGNEAU, XAVIER, FR
[72] LANDAIS, LAURENT FRANCOIS GERARD, FR
[72] PERRIN, DAVID, FR
[72] LECOMTE, JEANNE-MARIE, FR
[73] BIOPROJET, FR
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[54] **CONFIGURATION AND SPATIAL PLACEMENT OF FRONTAL ELECTRODE SENSORS TO DETECT PHYSIOLOGICAL SIGNALS**
[54] **CONFIGURATION ET PLACEMENT SPATIAL DE CAPTEURS D'ELECTRODE FRONTAUX POUR DETECTER DES SIGNAUX PHYSIOLOGIQUES**
[72] COLEMAN, TODD PRENTICE, US
[72] MA, RUI, US
[72] BAJEMA, MICHAEL, US
[72] GIL DA COSTA, RICARDO, US
[72] FUNG, RAYNARD, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] THE SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
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[54] **PATCH FOR TREATMENT OF EYELID DISEASES CONTAINING CLOBETASOL**
[54] **TIMBRE POUR LE TRAITEMENT DE MALADIES DES PAUPIERES CONTENANT DU CLOBETASOL**
[72] OGAWA, TAKAHIRO, US
[72] ISOWAKI, AKIHARU, US
[72] KAWAHARA, KOJI, JP
[72] HIRAOKA, TAKAO, JP
[72] TANAKA, MARIKO, JP
[72] KENMOCHI, CHIHIRO, JP
[73] SENJU USA, INC., US
[73] NICHIBAN CO., LTD., JP
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[54] **SUSPENSION CALCO-MAGNESIENNE MANIABLE**
[72] LAURENT, BERNARD, BE
[73] S.A. LHOIST RECHERCHE ET DEVELOPPEMENT, BE
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[54] **ROD HANDLER IMPROVEMENTS**
[54] **AMELIORATIONS DE DISPOSITIF DE MANIPULATION DE TIGE**
[72] RENTON, TIM, SE
[72] VAN DER LOOS, JACOB, SE
[72] HOWARD, WILLIAM, SE
[72] FRITH, ROBERT, SE
[72] MEEHAN, PATRICK, SE
[72] LAIRD, SEAN, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
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[54] **ANTIVIRAL PHOSPHONATE ANALOGUES AND PROCESS FOR PREPARATION THEREOF**
[54] **ANALOGUES DE PHOSPHONATE ANTIVIRAUX ET LEUR PROCEDE DE PREPARATION**
[72] PHULL, MANJINDER SINGH, IN
[72] KANKAN, RAJENDRA NARAYANRAO, IN
[72] RAO, DHARMARAJ RAMACHANDRA, IN
[73] CIPLA LIMITED, IN
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[54] **TOPICAL DAPSONE AND DAPSONE/ADAPALENE COMPOSITIONS AND METHODS FOR USE THEREOF**
[54] **COMPOSITIONS TOPIQUES DE DAPSONE ET DE DAPSONE/ADAPALENE ET LEURS METHODES D'UTILISATION**
[72] WARNER, KEVIN S., US
[72] PARASHAR, AJAY P., US
[72] SWAMINATHAN, VIJAYA, US
[72] BHATT, VARSHA, US
[73] ALLERGAN, INC., US
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[25] EN
[54] **METHOD FOR PRODUCING, ISOLATING AND PURIFYING RECOMBINANT HUMAN ANTITRYPTASE (OSRAAT) FROM RICE SEEDS**
[54] **PROCEDE POUR PRODUIRE, ISOLER ET PURIFIER DE L'ANTITRYPTASE HUMAINE RECOMBINANTE (OSRAAT) A PARTIR DE SEMENCES DE RIZ**
[72] YANG, DAICHANG, CN
[72] SHI, QIANNI, CN
[72] ZHANG, LIPING, CN
[73] WUHAN HEALTHGEN BIOTECHNOLOGY CORP, CN
[85] 2015-05-06
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[25] FR
[54] **AIR EXHAUST TUBE HOLDER IN A TURBOMACHINE**
[54] **SUPPORT DE TUBE D'EVACUATION D'AIR DANS UNE TURBOMACHINE**
[72] SULTANA, PATRICK, FR
[72] BENSALAH, BOUCIF, FR
[72] DURAND, YANNICK, FR
[72] RENON, OLIVIER, FR
[73] SNECMA, FR
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[54] **MULTI-ROW PANEL ACTIVE BLAST SYSTEM**
[54] **SYSTEME EXPLOSIF ACTIF A PANNEAU MULTI-RANGEE**
[72] SAGEBIEL, ERICK JAMES, US
[72] HANSEN, ANDREW ROGER, GB
[72] SCHWARZ, ROBERT, US
[72] SVANE, JOERGEN LEIF, DK
[72] DOBRISKI, JOSEF STEFAN, US
[73] TENCATE ADVANCED ARMOR DESIGN, INC., US
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[54] **APPAREIL VIBRANT DE FOND DE TROU**
[72] SCHULTZ, ROGER, US
[72] WATSON, BROCK, US
[73] THRU TUBING SOLUTIONS, INC., US
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[25] EN
[54] **TWO COMPONENT COMPOSITIONS CONTAINING TETRABASIC ZINC-AMINO ACID HALIDE COMPLEXES AND CYSTEINE**
[54] **COMPOSITIONS A DEUX CONSTITUANTS CONTENANT DES COMPLEXES D'HALOGENURE D'ACIDE AMINE DE ZINC TETRABASIQUE ET DE LA CYSTEINE**
[72] LIU, ZHIQIANG, US
[72] PAN, LONG, US
[72] CONVERY, JOSEPH, US
[72] YUAN, SHAOTANG, US
[72] TRIVEDI, HARSH M., US
[73] COLGATE-PALMOLIVE COMPANY, US
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[25] EN
[54] **PERSONAL CLEANSING COMPOSITIONS CONTAINING ZINC AMINO ACID/TRIMETHYLGLYCINE HALIDE**
[54] **COMPOSITIONS D'HYGIENE PERSONNEL COMPRENANT UN HALOGENURE D'ACIDE AMINE/TRIMETHYLGLYCINE DE ZINC**
[72] HARDY, EUGENE, US
[72] PAN, LONG, US
[72] NAWROCKI, SHIRI, US
[72] ARVANITIDOU, EVANGELIA, US
[72] DU-THUMM, LAURENCE D., US
[73] COLGATE-PALMOLIVE COMPANY, US
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[54] **TISSU LISSE ET VOLUMINEUX**
[72] BURAZIN, MARK ALAN, US
[72] COLLINS, LYNDA ELLEN, US
[72] HOLZ, JEFFREY DEAN, US
[72] SACHS, MARK WILLIAM, US
[72] ALLEN, PETER JOHN, US
[72] VOGT, KEVIN JOSEPH, US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
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[25] EN
[54] **CORROSION AND FOULING MITIGATION USING NON-PHOSPHORUS BASED ADDITIVES**
[54] **ATTENUATION DE LA CORROSION ET DE L'ENCRASSEMENT AU MOYEN D'ADDITIFS A BASE SANS PHOSPHORE**
[72] GILL, JASBIR S., US
[73] ECOLAB USA INC., US
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[54] **BITUMINOUS COMPOSITION IN THE FORM OF GRANULES AND METHOD FOR PREPARING SAME**
[54] **COMPOSITION BITUMINEUSE SOUS FORME DE GRANULES ET SON PROCEDE DE PREPARATION.**
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[72] LOUP, FREDERIC, FR
[73] EIFFAGE TRAVAUX PUBLICS, FR
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[54] **SEMIFLUOROCARBON COMPOUND CONTAINING CONTRAST AGENT**
[54] **COMPOSE SEMIFLUOROCARBONE CONTENANT UN AGENT DE CONTRASTE**
[72] KELLER, THORSTEN, DE
[72] ROTHLEIN, DORIS, DE
[72] SCHMITT, JURGEN, DE
[72] DIETRICH, THORE, DE
[72] STAWOWY, PHILIPP, DE
[72] FLECK, ECKART, DE
[73] B. BRAUN MELSUNGEN AG, DE
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[54] **PEG-MEDIATED ASSEMBLY OF NUCLEIC ACID MOLECULES**
[54] **ASSEMBLAGE A MEDIATION PAR PEG DE MOLECULES D'ACIDE NUCLEIQUE**
[72] URANO, JUN, US
[72] GIBSON, DANIEL G., US
[72] CAIAZZA, NICKY C., US
[72] QI, ZHIQING, US
[73] SYNTHETIC GENOMICS, INC., US
[85] 2015-06-03
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[54] **STAY-IN-PLACE FASCIA FORMS AND METHODS AND EQUIPMENT FOR INSTALLATION THEREOF**
[54] **COFFRAGES D'ENSEIGNE PERMANENTS ET PROCEDES ET EQUIPEMENT POUR LEUR INSTALLATION**
[72] DINMORE, GARY MICHAEL, US
[72] DEERKOSKI, JOHN STANLEY, US
[73] PRECASTEEL LLC, US
[85] 2015-06-08
[86] 2013-12-07 (PCT/US2013/073754)
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[25] EN
[54] **VINYL CHLORIDE RESIN COMPOSITION FOR POWDER MOLDING, VINYL CHLORIDE RESIN MOLDED ARTICLE AND LAMINATE**
[54] **COMPOSITION DE RESINE DE CHLORURE DE VINYLE POUR UN MOULAGE DE POUDRE, ARTICLE ET STRATIFIE MOULES DE RESINE DE CHLORURE DE VINYLE**
[72] IWAHORI, TAKAHISA, JP
[72] KITAGAWA, YUYA, JP
[73] ZEON CORPORATION, JP
[85] 2015-06-09
[86] 2013-11-15 (PCT/JP2013/080861)
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[54] **METHODS AND COMPOSITIONS FOR INHIBITING CNKSR1**
[54] **PROCEDES ET COMPOSITIONS POUR L'INHIBITION DE CNKSR1**
[72] KIRKPATRICK, D. LYNN, US
[72] INDARTE, MARTIN, US
[72] IHLE, NATHAN T., US
[73] PHUSIS THERAPEUTICS, INC., US
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[54] **MILIEU DE TRANSFERT AMELIORE**
[72] MARTINOVIC, ZVONIMIR, HR
[73] MARTINOVIC, ZVONIMIR, HR
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[54] **METHOD FOR TREATING SUSPENSIONS OF SOLID PARTICLES IN WATER USING POST HYDROLYZED POLYMERS**
[54] **PROCEDE DE TRAITEMENT DE SUSPENSIONS DE PARTICULES SOLIDES DANS L'EAU FAISANT APPEL A DES POLYMERES POST-HYDROLYSES**
[72] FAVERO, CEDRICK, FR
[72] RAMEY, SCOTT, US
[72] DANG-VU, TRONG, CA
[73] S.P.C.M. SA, FR
[85] 2015-06-18
[86] 2014-01-31 (PCT/EP2014/051928)
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[25] EN
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[54] **FILTRE INTRAVASCULAIRE BIODEGRADABLE**
[72] PIGOTT, JOHN P., US
[73] PROMEDICA HEALTH SYSTEM, INC., US
[85] 2015-06-19
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[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[73] THE BOEING COMPANY, US
[86] (2896122)
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[25] EN
[54] **HIGHLY CONCENTRATED, ANHYDROUS AMINE SALTS OF HYDROCARBON ALKOXY SULFATES, USE THEREOF AND METHOD USING AQUEOUS DILUTIONS THEREOF**
[54] **SELS AMINE ANHYDRES, A CONCENTRATION ELEVEE, DE SULFATES ALCOXY D'HYDROCARBURE, UTILISATION ASSOCIEE ET METHODE D'UTILISATION DE LEURS DILUTIONS AQUEUSES**
[72] JAKOBS-SAUTER, BRITTA, DE
[72] KALTWASSER, UWE, DE
[72] NAPIERALA, HEINZ, DE
[72] KOCH, HERBERT, DE
[72] ENNEKING, MEINOLF, DE
[73] SASOL GERMANY GMBH, DE
[85] 2015-12-14
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[30] DE (10 2013 100 789.9) 2013-01-25

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[54] **OFF-CENTER SENSOR TARGET REGION**
[54] **REGION CIBLE D'UN CAPTEUR EXCENTRE**
[72] STEUER, PAUL R., US
[72] MERRELL, THOMAS Y., US
[73] GOOGLE TECHNOLOGY HOLDINGS LLC, US
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[86] 2014-02-20 (PCT/US2014/017257)
[87] (WO2014/158488)
[30] US (13/803,771) 2013-03-14

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[54] **FLUID-PERMEABLE PRIMARY DRESSING HAVING A SILICONE COATING**
[54] **PANSEMENT PRIMAIRE PERMEABLE AUX LIQUIDES ET REVETU DE SILICONE**
[72] RIESINGER, BIRGIT, DE
[73] BSN MEDICAL GMBH, DE
[85] 2015-07-09
[86] 2014-01-09 (PCT/EP2014/050331)
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[25] EN
[54] **METHOD FOR THE PRODUCTION OF A CURVED CERAMIC SOUND ATTENUATION PANEL**
[54] **PROCEDE DE FABRICATION D'UN PANNEAU CERAMIQUE D'ATTENUATION ACOUSTIQUE DE FORME COURBEE**
[72] FOUQUET, STEPHANIE, FR
[72] JIMENEZ, SEBASTIEN, FR
[72] PHILIPPE, ERIC, FR
[72] GOULLIANE, EDDY, FR
[73] HERAKLES, FR
[85] 2015-07-14
[86] 2014-01-29 (PCT/EP2014/051698)
[87] (WO2014/118216)
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[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING THE CRANE OF A WORKING MACHINE BY USING BOOM TIP CONTROL**
[54] **PROCEDE ET SYSTEME POUR COMMANDER LA GRUE D'UN ENGIN DE CHANTIER A L'AIDE D'UNE COMMANDE DE TETE DE FLECHE**
[72] PALMROTH, MIKKO, FI
[72] LAITINEN, SIMO, FI
[72] SILTANEN, VESA, FI
[72] KAPPI, TIMO, FI
[73] JOHN DEERE FORESTRY OY, FI
[85] 2015-07-15
[86] 2014-01-27 (PCT/FI2014/050063)
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[25] EN
[54] **GARMENT AND COVER COMBINATION TO AID IN USER MOBILITY**
[54] **COMBINAISON VETEMENT ET HOUSSE D'ASSISTANCE A LA MOBILITE D'UN UTILISATEUR**
[72] MCGOVERN, NANCY, CA
[73] MCGOVERN, NANCY, CA
[85] 2015-07-15
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[25] EN
[54] **BENZOTHIOPHENE DERIVATIVES AND COMPOSITIONS THEREOF AS SELECTIVE ESTROGEN RECEPTOR DEGRADERS**
[54] **DERIVES DE BENZOTHIOPHENE ET COMPOSITIONS CORRESPONDANTES EN TANT QU'AGENTS DE DEGRADATION SELECTIFS DES RECEPTEURS DES □STROGENES**
[72] BURKS, HEATHER ELIZABETH, US
[72] DECHANTSREITER, MICHAEL A., US
[72] HE, GUO, US
[72] NUNEZ, JILL, US
[72] PEUKERT, STEFAN, US
[72] SPRINGER, CLAYTON, US
[72] SUN, YINGCHUAN, US
[72] THOMSEN, NOEL MARIE-FRANCE, US
[72] TRIA, GEORGE SCOTT, US
[72] YU, BING, US
[73] NOVARTIS AG, CH
[85] 2015-07-22
[86] 2014-02-12 (PCT/US2014/015938)
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[30] US (61/766,439) 2013-02-19

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[25] EN
[54] **FLUORINATED .ALPHA..NU.INTEGRIN ANTAGONISTS**
[54] **ANTAGONISTES D'INTEGRINE.NU.ALPHA FLUOREE**
[72] ASKEW, BEN C., US
[72] HEIDEBRECHT, RICHARD W., US
[72] FURUYA, TAKERU, US
[72] DUGGAN, MARK E., US
[72] EDWARDS, D. SCOTT, US
[73] SCIFLUOR LIFE SCIENCES, INC, US
[85] 2015-07-24
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[30] US (61/762,087) 2013-02-07
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[51] **Int.Cl. B01F 15/00 (2006.01) B01F 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING A CONCENTRATE**
[54] **PROCEDE POUR PREPARER UN CONCENTRE**
[72] KOCH, MICHAEL, DE
[72] EBERLEIN, ACHIM, DE
[72] NOACK, JOACHIM, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2015-07-30
[86] 2014-01-28 (PCT/EP2014/000215)
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[30] DE (10 2013 001 628.2) 2013-01-30
[30] US (61/758,470) 2013-01-30

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[51] **Int.Cl. G01R 21/06 (2006.01) G01R 21/00 (2006.01)**
[25] EN
[54] **VA METERING IN DELTA-WIRED ELECTRICAL SERVICE**
[54] **COMPTAGE VA DANS UN SERVICE ELECTRIQUE CONNECTE EN TRIANGLE**
[72] MONDOT, DANIEL, US
[73] LANDIS+GYR LLC, US
[85] 2015-08-06
[86] 2014-04-14 (PCT/US2014/034033)
[87] (WO2014/169282)
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[51] **Int.Cl. G01D 1/16 (2006.01)**
[25] EN
[54] **FAST FREQUENCY ESTIMATOR**
[54] **ESTIMATEUR DE FREQUENCE RAPIDE**
[72] WIBERG, DONALD M., US
[72] PEDROTTI, KENNETH D., US
[72] XU, CHENGCHENG, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2015-08-11
[86] 2014-03-14 (PCT/US2014/029212)
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[30] US (61/790,295) 2013-03-15

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[25] EN
[54] **DIRECTIONAL MEASUREMENTS USING NEUTRON SOURCES**
[54] **MESURES DIRECTIONNELLES AU MOYEN DE SOURCES DE NEUTRONS**
[72] KRAMER, HERMANN, CA
[73] ROKE TECHNOLOGIES LTD., CA
[85] 2015-08-17
[86] 2014-02-18 (PCT/CA2014/000118)
[87] (WO2014/127453)
[30] US (61/766,825) 2013-02-20
[30] US (61/766,823) 2013-02-20
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[13] C
[51] **Int.Cl. B62D 7/15 (2006.01) B66F 9/075 (2006.01)**
[25] EN
[54] **CONTROLLED WHEEL DRIVING FOR LOAD CARRYING TRUCKS**
[54] **ENTRAINEMENT DE ROUE COMMANDE POUR CHARIOTS PORTEURS DE CHARGE**
[72] MCVICAR, MARTIN, IE
[72] MOFFETT, ROBERT, IE
[73] COMBILIFT, IE
[85] 2015-08-17
[86] 2014-02-18 (PCT/EP2014/053066)
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[51] **Int.Cl. F04B 47/00 (2006.01) E21B 34/06 (2006.01) F04B 47/02 (2006.01) F04B 47/12 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **MODULAR TOP LOADING DOWNHOLE PUMP**
[54] **POMPE DE FOND A CHARGEMENT PAR LE HAUT MODULAIRE**
[72] BLANKENSHIP, HOWARD, US
[73] LPS SPECIALTY PRODUCTS, INC., US
[85] 2015-08-18
[86] 2014-02-22 (PCT/US2014/017858)
[87] (WO2014/130907)
[30] US (13/773,826) 2013-02-22

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[13] C
[51] **Int.Cl. G07D 3/14 (2006.01) G07D 9/00 (2006.01)**
[25] EN
[54] **COIN SEPARATION DEVICE**
[54] **DISPOSITIF SEPARATEUR DE PIECES DE MONNAIE**
[72] LINDBICHLER, MARKUS, AT
[72] FISCHER, ARNO, AT
[72] ECKLMAYR, HANNES, AT
[73] WINCOR NIXDORF INTERNATIONAL GMBH, DE
[85] 2015-08-19
[86] 2014-01-22 (PCT/EP2014/051222)
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[30] EP (13154378.7) 2013-02-07

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[25] EN
[54] **2-ACYLAMINOTHIAZOLE DERIVATIVE OR SALT THEREOF**
[54] **DERIVE DE 2-ACYLAMINOTHIAZOLE OU SON SEL**
[72] TAKAHASHI, TAISUKE, JP
[72] MAEDA, JUN, JP
[72] INAGAKI, YUSUKE, JP
[72] NEGORO, KENJI, JP
[72] TANAKA, HIROAKI, JP
[72] YOKOYAMA, KAZUHIRO, JP
[72] TAKAMATSU, HAJIME, JP
[72] KOIKE, TAKANORI, JP
[72] TSUKAMOTO, ISSEI, JP
[73] ASTELLAS PHARMA INC., JP
[85] 2015-08-24
[86] 2014-02-27 (PCT/JP2014/054803)
[87] (WO2014/133056)
[30] JP (2013-039964) 2013-02-28

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[51] **Int.Cl. C01B 32/00 (2017.01) H01G 11/24 (2013.01) H01G 11/34 (2013.01) C01B 32/05 (2017.01) C01B 32/20 (2017.01) C01B 32/30 (2017.01) C01B 32/312 (2017.01) B01D 53/02 (2006.01) B01D 53/62 (2006.01) H01M 4/96 (2006.01)**
[25] EN
[54] **CARBON MATERIAL, FUEL CELL, ELECTRIC DOUBLE LAYER CAPACITOR, CARBON DIOXIDE ADSORBING DEVICE AND METHOD FOR PRODUCING CARBON MATERIAL**
[54] **MATERIAU DE CARBONE, PILE A COMBUSTIBLE, CONDENSATEURS A DOUBLE COUCHE, DISPOSITIF D'ABSORPTION DE GAZ CARBONIQUE ET METHODE DE PRODUCTION DU MATERIAU DE CARBONE**
[72] WATANABE, MASAYOSHI, JP
[72] DOKKO, KAORU, JP
[72] ZHANG, SHIGUO, JP
[73] NISSHINBO HOLDINGS INC., JP
[85] 2015-08-25
[86] 2014-02-19 (PCT/JP2014/053879)
[87] (WO2014/132853)
[30] JP (2013-036840) 2013-02-27

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[13] C
[51] **Int.Cl. B64C 25/42 (2006.01) B64C 25/44 (2006.01) B64C 25/58 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING GEAR ASSEMBLY**
[54] **MECANISME DE TRAIN D'ATTERRISSAGE D'AERONEF**
[72] HILLIARD, MATTHEW, GB
[72] SEXTON, MATTHEW, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[86] (2902586)
[87] (2902586)
[22] 2015-08-31
[30] EP (14183602.3) 2014-09-04

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[13] C
[51] **Int.Cl. H04N 21/414 (2011.01) H04N 21/426 (2011.01) H04N 21/488 (2011.01)**
[25] EN
[54] **SYSTEM FOR VISUALIZING DATA**
[54] **SYSTEME DE VISUALISATION DE DONNEES**
[72] VAN DEN WOUWER, DIRK, BE
[72] VANHAUWAERT, WOUTER, BE
[73] TELEVIC RAIL NV, BE
[85] 2015-08-26
[86] 2014-02-28 (PCT/EP2014/053969)
[87] (WO2014/131893)
[30] EP (13157138.2) 2013-02-28

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[51] **Int.Cl. A61K 51/08 (2006.01)**
[25] EN
[54] **POSITRON EMITTING RADIONUCLIDE LABELED PEPTIDES FOR HUMAN UPAR PET IMAGING**
[54] **PEPTIDES MARQUES PAR UN RADIONUCLEIDE EMETTANT DES POSITRONS POUR UNE IMAGERIE PAR TOMOGRAPHIE PAR EMISSION DE POSITRONS (PET) D'UPAR HUMAIN**
[72] KJAER, ANDREAS, DK
[72] PERSSON, MORTEN, DK
[72] MADSEN, JACOB, DK
[73] CURASIGHT APS, DK
[85] 2015-05-29
[86] 2013-11-29 (PCT/DK2013/050402)
[87] (WO2014/086364)
[30] DK (PA 2012 70751) 2012-12-03
[30] US (61/732,443) 2012-12-03

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[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/31 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **SYRINGE-IV ACCESS LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE D'ACCES DE SERINGUE IV**
[72] WITT, ERIK K., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-09-02
[86] 2014-03-06 (PCT/US2014/021245)
[87] (WO2014/138413)
[30] US (61/774,673) 2013-03-08
[30] US (14/198,802) 2014-03-06

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[25] EN
[54] **LIGATION-BASED DETECTION OF GENETIC VARIANTS**
[54] **DETECTION A BASE DE LA LIGATURE DE VARIANTS GENETIQUES**
[72] OLIPHANT, ARNOLD, US
[72] SPARKS, ANDREW, US
[72] STUELPNAGEL, JOHN, US
[72] SONG, KEN, US
[73] ARIOSA DIAGNOSTICS, INC., US
[85] 2015-09-02
[86] 2014-03-03 (PCT/US2014/019811)
[87] (WO2014/149599)
[30] US (13/840,383) 2013-03-15

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[25] EN
[54] **SUPERPLASTIC FORMING/DIFFUSION BONDING STRUCTURE FOR ATTENUATION OF NOISE FROM AIR FLOW**
[54] **STRUCTURE DE SOUDAGE PAR DIFFUSION/FORMATION SUPERPLASTIQUE POUR ATTENUATION DU BRUIT PROVENANT DU DEBIT D'AIR**
[72] RUNYAN, MAX R., US
[72] SANDERS, DANIEL G., US
[72] HEFTI, LARRY D., US
[72] PAPENFUSS, DAVID R., US
[72] MAULDIN, JACK W., US
[72] LEON, LUIS R., US
[73] THE BOEING COMPANY, US
[85] 2015-09-04
[86] 2013-06-13 (PCT/US2013/045727)
[87] (WO2014/200499)

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[13] C
[51] **Int.Cl. H01M 8/2484 (2016.01) H01M 8/1004 (2016.01)**
[25] EN
[54] **FUEL CELL, FLUID DISTRIBUTION DEVICE FOR FUEL CELL, AND VEHICLE PROVIDED WITH FUEL CELL**
[54] **PILE A COMBUSTIBLE, DISPOSITIF DE DISTRIBUTION DE COMBUSTIBLE POUR UNE PILE A COMBUSTIBLE ET VEHICULE EQUIPE D'UNE PILE A COMBUSTIBLE**
[72] HASEGAWA, TAKUYA, JP
[72] FUJIEDA, RYUJI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2015-09-04
[86] 2014-03-07 (PCT/JP2014/056051)
[87] (WO2014/136965)
[30] JP (2013-046984) 2013-03-08

[11] **2,904,222**
[13] C
[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS, COMPOSITIONS, AND METHODS FOR CORROSION INHIBITION**
[54] **SYSTEMES, COMPOSITIONS ET PROCEDES ANTI-CORROSION**
[72] KINLEN, PATRICK JOHN, US
[72] SAPPER, ERIK DAVID, US
[73] THE BOEING COMPANY, US
[85] 2015-09-04
[86] 2014-02-19 (PCT/US2014/017066)
[87] (WO2014/172004)
[30] US (13/866,805) 2013-04-19

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[13] C
[51] **Int.Cl. B65D 5/36 (2006.01) B65D 5/44 (2006.01) B65D 77/02 (2006.01)**
[25] EN
[54] **RECLOSABLE PACKING CASE AND METHOD OF MAKING SAME**
[54] **CAISSE D'EMBALLAGE REFERMABLE ET SON PROCEDE DE PRODUCTION**
[72] WEAVER, J. MICHAEL, US
[72] REILLY, JEFFREY, US
[73] STANDARD KNAPP INC., US
[85] 2015-09-04
[86] 2014-03-07 (PCT/US2014/021829)
[87] (WO2014/159069)
[30] US (13/826,004) 2013-03-14
[30] US (13/804,931) 2013-03-14

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[13] C
[51] **Int.Cl. C08F 4/6592 (2006.01) C08F 8/04 (2006.01) C08F 10/14 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING A-OLEFIN POLYMER AND HYDROGENATED A-OLEFIN POLYMER**
[54] **PROCEDES DE PRODUCTION D'UN POLYMERE A-OLEFINIQUE ET POLYMERE A-OLEFINIQUE HYDROGENE**
[72] KATAYAMA, KIYOKAZU, JP
[72] NODA, HIDEAKI, JP
[73] IDEMITSU KOSAN CO., LTD., JP
[85] 2015-09-10
[86] 2014-03-12 (PCT/JP2014/056579)
[87] (WO2014/142206)
[30] JP (2013-052154) 2013-03-14

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[13] C
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/10 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED GATE ASSEMBLY FOR AN AGRICULTURAL PRODUCT DISTRIBUTION SYSTEM**
[54] **DISPOSITIF DE VOLET DE DISTRIBUTION DE SEMENCES POUR UN MECANISME DE DISTRIBUTION DE PRODUIT AGRICOLE**
[72] ROBERGE, MARTIN J., CA
[72] ZACHARIAS, DARWIN L., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2905309)
[87] (2905309)
[22] 2015-09-21
[30] US (62/074,826) 2014-11-04

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[13] C
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[25] EN
[54] **GUANIDINO BENZOIC ACID ESTERS USEFUL IN TREATING RENAL DISORDERS**
[54] **ESTERS D'ACIDE GUANIDINOBENZOIQUE UTILISES DANS LE TRAITEMENT DE TROUBLES RENAUX**
[72] FUJIYASU, JIRO, JP
[72] ASANO, TORU, JP
[72] YAMAKI, SUSUMU, JP
[72] KANEKO, OSAMU, JP
[72] KOIKE, YUKA, JP
[72] IMAIZUMI, TOMOYOSHI, JP
[72] URANO, YASUHARU, JP
[72] SATOU, TOMOHKI, JP
[72] SASAMURA, SATOSHI, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2015-09-11
[86] 2014-03-13 (PCT/JP2014/056601)
[87] (WO2014/142219)
[30] JP (2013-050011) 2013-03-13

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[13] C
[51] **Int.Cl. C08F 10/02 (2006.01) C08J 3/24 (2006.01)**
[25] EN
[54] **RADICALLY COUPLED RESINS AND METHODS OF MAKING AND USING SAME**
[54] **RESINES COUPLEES PAR VOIE RADICALAIRE ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLES-CI**
[72] YANG, QING, US
[72] MCDANIEL, MAX P., US
[72] MARTIN, JOEL L., US
[72] CRAIN, TONY R., US
[72] WHARRY, STEVE M., US
[72] CRUZ, CARLOS A., US
[72] BARR, JARED L., US
[72] YU, YOULU, US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2015-09-11
[86] 2014-03-10 (PCT/US2014/022605)
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[30] US (13/799,471) 2013-03-13

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[13] C
[51] **Int.Cl. B66F 11/04 (2006.01)**
[25] EN
[54] **BUCKET STEP INSERT**
[54] **INSERT DE MARCHE DE SEAU**
[72] PELLETIER, MARCEL, US
[73] PLASTIC TECHNIQUES, INC., US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/027798)
[87] (WO2014/152803)
[30] US (61/781,930) 2013-03-14

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[13] C
[51] **Int.Cl. B66C 1/12 (2006.01)**
[25] EN
[54] **MULTI PART SYNTHETIC EYE AND EYE SLING**
[54] **ELINGUE A DEUX BOUCLES SYNTHETIQUE EN PLUSIEURS PARTIES**
[72] YALE, THOMAS L., US
[72] HILDEBRAND, RICHARD W., US
[73] YALE CORDAGE INC., US
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[54] **PROCEDE POUR RENDRE DES STRUCTURES SOUTERRAINES IMPERMEABLES A L'EAU**
[72] PASTOR, MARIAPIA, IT
[72] BIRTELE, ANDREA, IT
[73] THUR S.R.L., IT
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[54] **WRITING INSTRUMENT AND INK CARTRIDGE**
[54] **OUTIL D'ECRITURE ET CARTOUCHE D'ENCRE**
[72] HOSHINO, TAKANORI, JP
[73] KABUSHIKI KAISHA PILOT CORPORATION (ALSO TRADING AS PILOT CORPORATION), JP
[85] 2015-09-18
[86] 2014-03-17 (PCT/JP2014/057196)
[87] (WO2014/148445)
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[25] EN
[54] **A PRESSURISED REFILL CANISTER WITH AN OUTLET VALVE**
[54] **BIDON DE RECHARGE PRESSURISE MUNI D'UNE VALVE DE SORTIE**
[72] HEARN, ALEX, GB
[72] GUPTA, RITIKA, GB
[72] GONZALEZ CAMPOS, RENE MAURICIO, GB
[72] NYEIN, KHINE ZAW, GB
[73] KIND CONSUMER LIMITED, GB
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[86] 2014-03-25 (PCT/GB2014/050935)
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[51] **Int.Cl. A61K 6/71 (2020.01)**
[25] EN
[54] **DENTAL FILLER COMPRISING A CORE AND A SHELL AND COMPOSITIONS THEREOF**
[54] **MATERIAU D'OBTURATION DENTAIRE COMPRENANT UN NOYAU ET UNE COUCHE ET LEURS COMPOSITIONS**
[72] CAI, YANG, US
[72] JIN, XIAOMING, US
[72] HUO, XIN, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2015-09-30
[86] 2014-03-14 (PCT/US2014/026971)
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[51] **Int.Cl. B65H 75/14 (2006.01) B65H 75/24 (2006.01)**
[25] FR
[54] **DEVICE FOR ADJUSTING THE INTER-FLANGE SPACE OF A BOBBIN**
[54] **DISPOSITIF DE REGLAGE DE L'ENTREFLASQUE D'UNE BOBINE**
[72] BERGER, JEAN-MICHEL, FR
[72] PARSEIHIAN, BRUNO, FR
[73] CONDUCTIX WAMPFLER FRANCE, FR
[85] 2015-09-30
[86] 2014-04-11 (PCT/EP2014/057405)
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[51] **Int.Cl. A61K 38/19 (2006.01) A61K 9/00 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING A CYCLIC PEPTIDE OF FORMULA X1-GQRETPEGAEAKPWY-X2 AND USE FOR EXTRACORPOREAL LUNG TREATMENT**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN PEPTIDE CYCLIQUE DE FORMULE X1-GQRETPEGAEAKPWY-X2 ET UTILISATION POUR LE TRAITEMENT EXTRACORPOREL DES POUMONS**
[72] FISCHER, HENDRIK, AT
[72] PIETSCHMANN, HELMUT, AT
[72] TZOTZOS, SUSAN JANE, AT
[72] FISCHER, BERNHARD, AT
[72] LUCAS, RUDOLF, US
[73] APEPTICO FORSCHUNG UND ENTWICKLUNG GMBH, AT
[85] 2015-09-21
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[51] **Int.Cl. C07C 2/36 (2006.01) C07C 11/02 (2006.01) C07C 11/107 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **TETRAMERISATION OF ETHYLENE**
[54] **TETRAMERISATION D'ETHYLENE**
[72] MOKHADINYANA, MOLISE STEPHEN, ZA
[72] MAUMELA, MUNAKA CHRISTOPHER, ZA
[72] MOGOROSI, MOSES MOKGOLELA, ZA
[72] OVERETT, MATTHEW JAMES, ZA
[72] VAN DEN BERG, JAN-ALBERT, ZA
[72] JANSE VAN RENSBURG, WERNER, ZA
[72] BLANN, KEVIN, ZA
[73] SASOL TECHNOLOGY (PROPRIETARY) LIMITED, ZA
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[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING A LIQUEFIED HYDROCARBON STREAM**
[54] **PROCEDE ET APPAREIL DE PRODUCTION D'UN FLUX D'HYDROCARBURE LIQUEFIE**
[72] VAN AMELSVOORT, JAN, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2015-10-15
[86] 2014-03-25 (PCT/EP2014/055960)
[87] (WO2014/173599)
[30] EP (13164691.1) 2013-04-22

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[51] **Int.Cl. F16L 11/08 (2006.01) F16L 25/00 (2006.01)**
[25] EN
[54] **AN ASSEMBLY OF A FLEXIBLE PIPE AND AN END-FITTING**
[54] **ENSEMBLE TUYAU FLEXIBLE ET RACCORD D'EXTREMITE**
[72] MOLLER ANDERSEN, BO ASP, DK
[72] JUUL, NIELS, DK
[73] NATIONAL OILWELL VARCO DENMARK I/S, DK
[85] 2015-10-30
[86] 2014-04-28 (PCT/DK2014/050112)
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[30] DK (PA 2013 70245) 2013-05-02

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[51] **Int.Cl. H02G 3/04 (2006.01)**
[25] FR
[54] **PROTECTIVE SHEATH FOR AN ELECTRICAL HARNESS IN ORDER TO PREVENT THE DETERIORATION OF SAME**
[54] **GAINE DE PROTECTION D'UN HARNAIS ELECTRIQUE AFIN DE PREVENIR SA DETERIORATION**
[72] GENOULAZ, JEROME, FR
[72] BRENDLE, STEPHANE, FR
[72] DUNAND, MICHEL, FR
[73] LABINAL POWER SYSTEMS, FR
[85] 2015-11-03
[86] 2014-05-07 (PCT/FR2014/051067)
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[51] **Int.Cl. A61G 3/02 (2006.01) B60N 2/24 (2006.01)**
[25] EN
[54] **POWER TRANSFER SEAT**
[54] **SIEGE DE TRANSFERT DE PUISSANCE**
[72] SAUCIER, STANTON D., US
[72] CERVERA, LLUNO, US
[73] RICON CORP., US
[85] 2015-11-03
[86] 2014-06-26 (PCT/US2014/044355)
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[30] US (61/839,635) 2013-06-26

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[25] EN
[54] **SEAL ELEMENT**
[54] **ELEMENT D'ETANCHEITE**
[72] AKULICHEV, ANTON, RU
[72] THORKILDSEN, BREDE, NO
[73] FMC KONGSBERG SUBSEA AS, NO
[85] 2015-11-04
[86] 2014-05-20 (PCT/EP2014/060289)
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[30] NO (20130708) 2013-05-22

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[51] **Int.Cl. B65G 15/60 (2006.01) B65G 41/00 (2006.01)**
[25] EN
[54] **DEFLECTION DEVICE FOR A BELT CONVEYOR COMPRISING AN ENDLESS CONVEYOR BELT**
[54] **DISPOSITIF DE DEVIATION POUR TRANSPORTEUR A BANDE COMPRENANT UNE BANDE TRANSPORTEUSE SANS FIN**
[72] RIEGER, HUBERT, AT
[73] SANDVIK MINING AND CONSTRUCTION MATERIALS HANDLING GMBH & CO KG, AT
[85] 2015-11-13
[86] 2014-05-13 (PCT/EP2014/059713)
[87] (WO2014/191195)
[30] AT (A 442/2013) 2013-05-28

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[51] **Int.Cl. H04N 19/51 (2014.01) H04N 19/597 (2014.01)**
[25] EN
[54] **DEPTH ORIENTED INTER-VIEW MOTION VECTOR PREDICTION**
[54] **PREDICTION D'UN VECTEUR DE MOUVEMENT INTERVUE ORIENTEE SUR LA PROFONDEUR**
[72] THIRUMALAI, VIJAYARAGHAVAN, US
[72] ZHANG, LI, US
[72] CHEN, YING, US
[73] QUALCOMM INCORPORATED, US
[85] 2015-11-12
[86] 2014-06-27 (PCT/US2014/044600)
[87] (WO2014/210473)
[30] US (61/840,400) 2013-06-27
[30] US (61/847,942) 2013-07-18
[30] US (61/890,107) 2013-10-11
[30] US (14/316,145) 2014-06-26

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[51] **Int.Cl. A61L 2/07 (2006.01) A61L 2/18 (2006.01) A61L 2/20 (2006.01) B65B 55/02 (2006.01)**
[25] EN
[54] **AUTOMATED STERILIZATION PROCESS INTEGRATED WITH A BLOW FILL SEAL MACHINE**
[54] **PROCEDE DE STERILISATION AUTOMATIQUE INTEGRE A UNE MACHINE DE FORMAGE-REMPLISSAGE-SCELLAGE**
[72] FOREMAN, JAMES MICHAEL, US
[72] BARAN, ARTHUR, US
[72] AMIR, MUHAMMAD, US
[73] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2015-11-20
[86] 2014-05-15 (PCT/US2014/038183)
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[30] US (13/902,385) 2013-05-24

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[51] **Int.Cl. B23K 9/04 (2006.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B23P 17/00 (2006.01) B23Q 33/00 (2006.01)**
[25] EN
[54] **3D METAL PRINTING DEVICE AND PROCESS**
[54] **DISPOSITIF D'IMPRESSION 3D SUR DU METAL ET PROCEDE**
[72] MCQUEEN, JAMES, US
[72] ZIEMER, DANIEL T., US
[72] ZIEMER, MATTHEW W., US
[72] IVES, JACOB THOMAS, US
[72] IKONOMOV, PAVEL, US
[73] THE BOARD OF TRUSTEES OF WESTERN MICHIGAN UNIVERSITY, US
[86] (2913288)
[87] (2913288)
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[51] **Int.Cl. C21B 5/06 (2006.01) C21B 7/00 (2006.01)**
[25] EN
[54] **BLAST FURNACE AND PROCESS FOR OPERATING A BLAST FURNACE**
[54] **HAUT FOURNEAU ET PROCEDE SERVANT A FAIRE FONCTIONNER UN HAUT FOURNEAU**
[72] KUHL, OLAF, DE
[73] CAPHENIA GMBH, DE
[85] 2015-11-26
[86] 2014-06-05 (PCT/EP2014/061725)
[87] (WO2014/198635)
[30] DE (10 2013 009 993.5) 2013-06-14

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[25] EN
[54] **METHOD FOR CROSSLINKING HYALURONIC ACID; METHOD FOR PREPARING AN INJECTABLE HYDROGEL; HYDROGEL OBTAINED; USE OF THE OBTAINED HYDROGEL**
[54] **PROCEDE DE RETICULATION DE L'ACIDE HYALURONIQUE, PROCEDE DE PREPARATION D'UN HYDROGEL INJECTABLE, HYDROGEL OBTENU ET UTILISATION DE L'HYDROGEL OBTENU**
[72] TAUZIN, BENEDICTE VINCENTE, FR
[73] ANTEIS S.A., CH
[85] 2015-12-03
[86] 2014-06-10 (PCT/EP2014/001573)
[87] (WO2014/198406)
[30] FR (13 01332) 2013-06-11
[30] FR (PCT/FR2013/000328) 2013-12-10

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **THROMBUS MANAGEMENT AND STRUCTURAL COMPLIANCE FEATURES FOR PROSTHETIC HEART VALVES**
[54] **CARACTERISTIQUES DE GESTION DE THROMBUS ET DE CONFORMITE STRUCTURELLE POUR VALVULES CARDIAQUES PROTHETIQUES**
[72] PERRIN, CHAD, US
[72] TEGELS, ZACHARY, US
[72] EKVALL, CRAIG, US
[72] VIDLUND, ROBERT, US
[72] MAI, SON, US
[72] EVANS, MICHAEL, US
[72] CHRISTIANSON, MARK, US
[73] TENDYNE HOLDINGS, INC., US
[85] 2015-12-08
[86] 2014-06-25 (PCT/US2014/044047)
[87] (WO2014/210124)
[30] US (61/839,237) 2013-06-25
[30] US (61/840,313) 2013-06-27
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[25] EN
[54] **HEAT-SHRINKABLE POLYESTER FILM AND PACKAGES**
[54] **FILM A BASE DE POLYESTER THERMORETRACTABLE ET PRODUIT EMBALLE**
[72] HARUTA, MASAYUKI, JP
[72] INOUE, MASAFUMI, JP
[73] TOYOBO CO., LTD., JP
[85] 2015-12-08
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[87] (WO2014/199787)
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[51] **Int.Cl. G01F 1/82 (2006.01) A01D 41/127 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS, AND METHODS FOR YIELD SENSOR INSTALLATION**
[54] **APPAREIL, SYSTEMES ET PROCEDES POUR INSTALLATION DE DETECTION DE RENDEMENT**
[72] KOCH, JUSTIN, US
[72] STRNAD, MICHAEL, US
[72] MULLINS, BRAD, US
[73] PRECISION PLANTING LLC, US
[85] 2015-12-15
[86] 2014-06-24 (PCT/US2014/043963)
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[30] US (61/838,787) 2013-06-24

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[13] C
[51] **Int.Cl. D04H 1/4209 (2012.01) D04H 1/559 (2012.01) E04D 5/02 (2006.01)**
[25] EN
[54] **SUBSTRATE FOR A SUPPORT FOR BITUMINOUS MEMBRANE AND METHOD FOR THE PREPARATION THEREOF**
[54] **SUBSTRAT POUR UN SUPPORT D'UNE MEMBRANE BITUMINEUSE ET SON PROCEDE DE PREPARATION**
[72] FAGGION, GILBERTO, IT
[72] MENNA, GERARDO SALVATORE, IT
[73] POLITEX S.A.S. DI FREUDENBERG POLITEX S.R.L., IT
[85] 2015-12-17
[86] 2014-07-02 (PCT/EP2014/064091)
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[30] IT (MI2013A 001114) 2013-07-03

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[51] **Int.Cl. B62D 53/08 (2006.01) B60D 1/48 (2006.01)**
[25] EN
[54] **UPPER COUPLER ASSEMBLY**
[54] **ENSEMBLE D'ACCOUPLEMENT SUPERIEUR**
[72] WYLEZINSKI, ANDRZEJ, US
[73] WABASH NATIONAL, L.P., US
[86] (2916111)
[87] (2916111)
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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **MACHINE AND SYSTEM FOR THE PREPARATION OF LIQUID PRODUCTS USING CAPSULES**
[54] **MACHINE ET SYSTEME POUR LA PREPARATION DE PRODUITS LIQUIDES AU MOYEN DE CAPSULES**
[72] BUGNANO, LUCA, IT
[72] CABILLI, ALBERTO, IT
[73] LUIGI LAVAZZA S.P.A., IT
[85] 2015-12-17
[86] 2014-06-17 (PCT/IB2014/062285)
[87] (WO2015/004551)
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[51] **Int.Cl. A61K 31/4965 (2006.01) A61K 31/495 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING RENAL DISEASES, CONTAINING DPP-IV INHIBITOR**
[54] **COMPOSITION POUR PREVENIR OU TRAITER DES MALADIES RENALES CONTENANT UN INHIBITEUR DE DPP-IV**
[72] CHA, DAE RYONG, KR
[72] KANG, YOUNG SUN, KR
[72] CHA, JIN JOO, KR
[72] LEE, JI EUN, KR
[72] KIM, HYUN WOOK, KR
[72] LEE, MI HWA, KR
[72] KIM, JUNG EUN, KR
[72] KIM, MI-KYUNG, KR
[72] SON, MOON-HO, KR
[72] KIM, SOON HOE, KR
[73] DONG-A ST CO., LTD, KR
[73] KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION, KR
[85] 2015-12-22
[86] 2014-06-17 (PCT/KR2014/005302)
[87] (WO2014/208921)
[30] KR (10-2013-0073711) 2013-06-26

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[25] EN
[54] **SULFATED POLYGULONIC ACID POLYSACCHARIDE OR PHARMACEUTICAL SALT THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **POLYSACCHARIDE D'ACIDE POLYGLUCONIQUE SULFATE OU SEL PHARMACEUTIQUE DE CELUI-CI, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] DING, JIAN, CN
[72] AI, JING, CN
[72] CHEN, YI, CN
[72] HUANG, XUN, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA CHINESE ACADEMY OF SCIENCES, CN
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[86] 2014-07-02 (PCT/CN2014/081472)
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[30] CN (201310275323.7) 2013-07-02

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[51] **Int.Cl. B25G 1/10 (2006.01)**
[25] EN
[54] **URBAN OR INDUSTRIAL ASPIRATOR**
[54] **ASPIRATEUR URBAIN OU INDUSTRIEL**
[72] BERTRAND, DAMIEN, BE
[72] LANGE, CHRISTIAN, BE
[72] BUDDEKER, FRANCK, BE
[72] LANGOUCHE, JEAN-BENOIT, BE
[73] GLUTTON CLEANING MACHINES DIVISION DE LANGE CHRISTIAN SA, BE
[85] 2015-12-23
[86] 2014-06-25 (PCT/EP2014/063450)
[87] (WO2014/207070)
[30] BE (2013/0445) 2013-06-25
[30] BE (2013/0519) 2013-08-02
[30] BE (2013/0597) 2013-09-10

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[51] **Int.Cl. F16L 21/08 (2006.01) F16L 25/00 (2006.01)**
[25] EN
[54] **CONNECTION SYSTEM OF PIPING**
[54] **SYSTEME DE RACCORDEMENT DE TUYAUTERIE**
[72] GUZZONI, PAOLO, IT
[73] TESEO S.R.L., IT
[85] 2016-01-06
[86] 2014-07-11 (PCT/IB2014/063035)
[87] (WO2015/008203)
[30] IT (BS2013A000107) 2013-07-19

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[51] **Int.Cl. D04B 21/06 (2006.01)**
[25] FR
[54] **COMPOSITE MATERIAL COMPRISING A WARP-KNITTED TEXTILE PANEL AND METHOD FOR THE PRODUCTION THEREOF**
[54] **MATERIAU COMPOSITE COMPRENANT UN PANNEAU TEXTILE TRICOTE A MAILLES JETEES ET PROCEDE POUR SON OBTENTION**
[72] AVIO, BRUNO, FR
[73] CARPENTIER & PREUX, FR
[85] 2016-01-07
[86] 2014-07-10 (PCT/FR2014/051768)
[87] (WO2015/007978)
[30] FR (1356962) 2013-07-15

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[51] **Int.Cl. C07C 51/44 (2006.01) C07C 51/48 (2006.01) C07C 59/76 (2006.01)**
[25] EN
[54] **PROCESS FOR THE ISOLATION OF LEVULINIC ACID**
[54] **PROCEDE D'ISOLEMENT DE L'ACIDE LEVULINIQUE**
[72] WOESTENBORGHS, PIERRE LOUIS, NL
[72] ALTINK, RINKE MARCEL, NL
[73] DSM IP ASSETS B.V., NL
[85] 2016-01-12
[86] 2014-07-10 (PCT/EP2014/064796)
[87] (WO2015/007602)
[30] EP (13176808.7) 2013-07-17

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[51] **Int.Cl. G03F 7/16 (2006.01) G03F 7/20 (2006.01)**
[25] EN
[54] **METERING APPARATUS FOR THE MANUALLY-CONTROLLED METERING OF A LIGHT-CURING MATERIAL**
[54] **APPAREIL DOSEUR SERVANT A DISTRIBUER MANUELLEMENT UN MATERIAU PHOTODURCISSANT**
[72] OFFERMAN, THOMAS (DECEASED), IT
[73] VIERING, ANKE, DE
[73] OFFERMAN, THOMAS (DECEASED),
[85] 2016-01-15
[86] 2014-07-16 (PCT/EP2014/065291)
[87] (WO2015/007792)
[30] DE (10 2013 107 548.7) 2013-07-16

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[25] EN
[54] **CLOUD-OFFLOADED GLOBAL SATELLITE POSITIONING**
[54] **LOCALISATION MONDIALE PAR SATELLITE DELESTEE PAR LE NUAGE**
[72] LIU, JIE, US
[72] JIN, YUZHE, US
[72] HART, TED C., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[86] 2014-08-24 (PCT/US2014/052429)
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[25] EN
[54] **COILED TUBING INJECTOR WITH HYDRAULIC TRACTION SLIP MITIGATION CIRCUIT**
[54] **INJECTEUR DE TUBE SPIRALE A CIRCUIT D'ATTENUATION DE GLISSEMENT A TRACTION HYDRAULIQUE**
[72] STEFFENHAGEN, TIMOTHY S., US
[72] WHITE, WILLIAM B., US
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2016-01-22
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[25] EN
[54] **METHOD FOR DETERMINING HYDRAULIC PARAMETERS IN A DISPLACEMENT PUMP**
[54] **PROCEDE DE DETERMINATION DE PARAMETRES HYDRAULIQUES DANS UNE POMPE VOLUMETRIQUE**
[72] LIU, STEVEN, DE
[72] KENNEL, FABIAN, DE
[73] PROMINENT GMBH, DE
[85] 2016-02-02
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[54] **CHROMIUM METAL POWDER FOR THE PRODUCTION OF BODIES WITH HIGH GREEN STRENGTH**
[54] **POUDRE DE METAL AU CHROME POUR LA PRODUCTION DE CORPS AVEC SOLIDITE ELEVEE A L'ETAT VERT**
[72] O'SULLIVAN, MICHAEL, AT
[72] SIGL, LORENZ, AT
[73] PLANSEE SE, AT
[85] 2016-02-11
[86] 2014-08-19 (PCT/AT2014/000160)
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[25] EN
[54] **SYSTEMS AND METHODS OF COOLING A GALLEY OF AN AIRCRAFT**
[54] **SYSTEMES ET METHODE DE REFROIDISSEMENT D'UN OFFICE DANS UN AERONEF**
[72] GARCIA, EMMANUEL, US
[72] LEE, JOSHUA, US
[73] THE BOEING COMPANY, US
[86] (2921105)
[87] (2921105)
[22] 2016-02-17
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[25] EN
[54] **ELECTRICAL SUBMERSIBLE PUMP AND PUMP SYSTEM INCLUDING ADDITIVELY MANUFACTURED STRUCTURES AND METHOD OF MANUFACTURE**
[54] **POMPE ELECTRIQUE SUBMERSIBLE ET SYSTEME DE POMPE COMPRENANT DES STRUCTURES FABRIQUEES PAR ADDITION DE MATIERE ET PROCEDE DE FABRICATION**
[72] SHILPIEKANDULA, VIJAY, US
[72] SEARS, JAMES WILLIAM, US
[72] YANG, YANZHE, US
[72] SUN, HONGQING, US
[72] GHASRIPOOR, FARSHAD, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-02-18
[86] 2014-08-12 (PCT/US2014/050660)
[87] (WO2015/031038)
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[54] **COLOR APPLICATIONS FOR AERODYNAMIC MICROSTRUCTURES**
[54] **APPLICATIONS DE COULEUR DESTINEES A DES MICROSTRUCTURES AERODYNAMIQUES**
[72] RAWLINGS, DIANE C., US
[73] THE BOEING COMPANY, US
[86] (2923478)
[87] (2923478)
[22] 2016-03-10
[30] US (14/705564) 2015-05-06

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[25] EN
[54] **METHODS AND SYSTEMS FOR SEED VARIETY SELECTION**
[54] **PROCEDES ET SYSTEMES DE SELECTION DE VARIETE DE SEMENCE**
[72] SAUDER, DEREK (DECEASED), XX
[72] KOCH, DALE, US
[72] SAUDER, DOUG, US
[73] PRECISION PLANTING LLC, US
[85] 2016-03-21
[86] 2014-09-30 (PCT/US2014/058488)
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[25] EN
[54] **BICYCLE TRAINER**
[54] **VELO D'ENTRAINEMENT**
[72] KALOGIROS, JAMES, CH
[72] YASSMIN, FADI, CH
[72] BERLOWITZ, PETER, CH
[73] SBI MEDIA HOLDING SA, CH
[85] 2016-03-23
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[25] EN
[54] **DAMPER, INSTALLATION KIT FOR DAMPER AND DAMPER KIT INSTALLATION METHOD FOR COOKING OPERATIONS**
[54] **REGISTRE, KIT D'INSTALLATION POUR REGISTRE ET PROCEDE D'INSTALLATION DE KIT DE REGISTRE POUR OPERATIONS DE CUISSON**
[72] ROUSSEAU, MARIO, CA
[73] INTELLINOX INC., CA
[85] 2016-03-30
[86] 2014-10-01 (PCT/CA2014/050942)
[87] (WO2015/048895)
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[25] EN
[54] **IMPROVING THE LEVEL OF HYDRATION IN A CAT**
[54] **AMELIORATION DU NIVEAU D'HYDRATATION CHEZ UN CHAT**
[72] BROCKMAN, JEFFREY, US
[72] JEWELL, DENNIS, US
[73] HILL'S PET NUTRITION, INC., US
[85] 2016-04-05
[86] 2013-11-12 (PCT/US2013/069659)
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[51] **Int.Cl. F26B 21/00 (2006.01) F26B 3/04 (2006.01) F26B 13/02 (2006.01)**
[25] EN
[54] **REMOTE NOZZLE DECKLE SYSTEM**
[54] **SYSTEME DE LARGEUR UTILE DE BUSE A DISTANCE**
[72] BRIA, MICHAEL P., US
[72] KLIKA, NICHOLAS J., US
[72] ROSENBERG, TIMOTHY M., US
[73] DURR SYSTEMS, INC., US
[86] (2926412)
[87] (2926412)
[22] 2016-04-08
[30] US (62/146,227) 2015-04-10
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[51] **Int.Cl. A61K 8/23 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **OXIDIZING SYSTEM FOR ORAL CARE COMPOSITIONS**
[54] **SYSTEME D'OXYDATION POUR COMPOSITIONS DE SOIN BUCCAL**
[72] CHEN, XIANG, US
[72] CHOPRA, SUMAN K., US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2016-04-06
[86] 2013-12-02 (PCT/US2013/072556)
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[51] **Int.Cl. A23K 10/20 (2016.01) A23K 40/00 (2016.01) A23K 50/75 (2016.01) A23K 50/80 (2016.01)**
[25] EN
[54] **PROCESS FOR PRODUCTION OF ANIMAL FEED COMPONENTS BASED ON MUSSELS**
[54] **PROCEDE DE PRODUCTION DE CONSTITUANTS D'UNE ALIMENTATION ANIMALE A BASE DE MOULES**
[72] LINDAHL, ODD, SE
[73] MUSSELFEED AB, SE
[85] 2016-04-18
[86] 2013-10-17 (PCT/EP2013/071687)
[87] (WO2014/060497)
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[13] C
[51] **Int.Cl. F41H 7/02 (2006.01)**
[25] EN
[54] **SURVIVABILITY CAPSULE FOR ARMORED VEHICLES**
[54] **CAPSULE DE SURVIE POUR VEHICULES BLINDES**
[72] PFISTER, KARL GERHARD, CA
[73] 2040422 ONTARIO INC., CA
[85] 2016-04-21
[86] 2014-10-23 (PCT/CA2014/000772)
[87] (WO2015/058290)
[30] US (61/894,725) 2013-10-23

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[51] **Int.Cl. A01N 63/30 (2020.01) A01H 6/60 (2018.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01H 17/00 (2006.01) A01N 3/00 (2006.01) A01P 5/00 (2006.01) A01P 7/04 (2006.01) A01P 21/00 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **FUNGAL ENDOPHYTES FOR IMPROVED CROP YIELDS AND PROTECTION FROM PESTS**
[54] **ENDOPHYTES FONGIQUES POUR L'AMELIORATION DES RENDEMENTS VEGETAUX ET LA PROTECTION CONTRE LES NUISIBLES**
[72] SWORD, GREGORY A., US
[73] THE TEXAS A & M UNIVERSITY SYSTEM, US
[85] 2016-05-02
[86] 2014-11-06 (PCT/US2014/064411)
[87] (WO2015/069938)
[30] US (61/900,935) 2013-11-06
[30] US (61/900,929) 2013-11-06

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[13] C
[51] **Int.Cl. F16J 15/44 (2006.01) F01D 11/00 (2006.01) F01D 11/02 (2006.01) F16J 15/447 (2006.01)**
[25] FR
[54] **SEALING SYSTEM WITH TWO ROWS OF COMPLEMENTARY SEALING ELEMENTS**
[54] **SYSTEME D'ETANCHEITE A DEUX RANGEES DE LECHETTES COMPLEMENTAIRES**
[72] SCHOLTES, CHRISTOPHE, FR
[73] SNECMA, FR
[85] 2016-05-09
[86] 2014-11-12 (PCT/FR2014/052872)
[87] (WO2015/071585)
[30] FR (1361122) 2013-11-14

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[25] EN
[54] **MYCOTOXIN ADSORBENTS AND USE THEREOF IN BALANCED ANIMAL FEED.**
[54] **ADSORBANT DE MYCOTOXINES ET SON UTILISATION DANS DES ALIMENTS EQUILIBRES POUR ANIMAUX.**
[72] LARA ARELLANO, JAVIER ARMANDO, MX
[72] ROMERO MARTINEZ DEL SOBRAL, MIGUEL ANGEL, MX
[72] GARCIA ROSAS, IRLANDA VERONICA, MX
[72] FIERRO HUESCA, JOSE ANTONIO, MX
[73] NUTEK, S.A. DE C.V., MX
[85] 2016-05-12
[86] 2014-11-21 (PCT/IB2014/066246)
[87] (WO2015/075686)
[30] MX (MX/a/2013/013788) 2013-11-25

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[13] C
[51] **Int.Cl. B65D 51/00 (2006.01)**
[25] EN
[54] **CLOSURE ASSEMBLY FOR BOTTLE AND ASSEMBLY METHOD**
[54] **ENSEMBLE DE FERMETURE POUR BOUTEILLE ET PROCEDE D'ASSEMBLAGE**
[72] MUTTERLE, ANTONIO, CH
[73] ALTERGON SA, CH
[85] 2016-05-18
[86] 2014-11-28 (PCT/EP2014/075977)
[87] (WO2015/082354)
[30] IT (MI2013A002005) 2013-12-02

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[51] **Int.Cl. B29C 70/00 (2006.01) B29C 70/44 (2006.01) B29C 70/54 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR FLOW MEDIA ASSOCIATED WITH THE MANUFACTURE OF COMPONENTS**
[54] **SYSTEMES, METHODES ET APPAREILS DESTINES A L'ECOULEMENT D'UN MATERIAU ASSOCIE A LA FABRICATION DE COMPOSANTS**
[72] NESBIT, ASHLEIGH R., AU
[73] THE BOEING COMPANY, US
[86] (2931426)
[87] (2931426)
[22] 2016-05-27
[30] US (14/812853) 2015-07-29

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[25] EN
[54] **VIRAL VECTOR MANUFACTURE**
[54] **PRODUCTION DE VECTEUR VIRAL**
[72] HOWLEY, PAUL MICHAEL, AU
[72] LIU, LIANG, AU
[73] SEMENTIS LIMITED, AU
[85] 2016-05-25
[86] 2014-11-03 (PCT/AU2014/050330)
[87] (WO2015/061858)
[30] AU (2013904242) 2013-11-01
[30] AU (2014900370) 2014-02-07

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[13] C
[51] **Int.Cl. B61L 27/00 (2006.01) B65G 67/02 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **RAIL CAR MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE WAGONS PORTE-RAILS**
[72] BENEDICT, ALBERT JAMES, CA
[73] AMSTED DIGITAL SOLUTIONS INC., US
[86] (2931806)
[87] (2931806)
[22] 2016-06-01
[30] CA (2931806) 2016-06-01

[11] **2,933,276**
[13] C
[51] **Int.Cl. A47K 10/42 (2006.01)**
[25] EN
[54] **DISPENSER FOR INTERFOLDED NAPKINS**
[54] **DISTRIBUTEUR POUR SERVIETTES ENTREPLIEES**
[72] STENBERG, MARTIN, SE
[72] LUNDGREN, JAN, SE
[72] RITTFELDT, MARTEN, SE
[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2016-06-09
[86] 2013-12-09 (PCT/SE2013/051470)
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[51] **Int.Cl. G10K 11/162 (2006.01) B23B 5/02 (2006.01) B60R 13/08 (2006.01)**
[25] EN
[54] **SOUND ABSORBING AND INSULATING MATERIAL AND METHOD FOR MANUFACTURING THE SAME**
[54] **MATERIAU ISOPHONIQUE/ISOLANT ET SON PROCEDE DE PRODUCTION**
[72] KIM, KEUN YOUNG, KR
[73] HYUNDAI MOTOR COMPANY, KR
[85] 2016-06-13
[86] 2014-02-27 (PCT/KR2014/001601)
[87] (WO2015/093684)
[30] KR (10-2013-0159412) 2013-12-19

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[51] **Int.Cl. B32B 3/30 (2006.01) B32B 7/025 (2019.01) B32B 7/08 (2019.01) B32B 27/04 (2006.01) B32B 33/00 (2006.01) B32B 37/00 (2006.01) B32B 38/04 (2006.01) B64C 3/20 (2006.01) B64D 45/02 (2006.01) H02H 3/22 (2006.01)**
[25] EN
[54] **METHODS FOR DIVERTING LIGHTNING CURRENT FROM SKIN FASTENERS IN COMPOSITE, NON-METALLIC STRUCTURES**
[54] **METHODE DE DEVIATION DU COURANT DE FOUDRE DES FIXATIONS DE SURFACE DANS LES STRUCTURES EN COMPOSITE NON METALLIQUES**
[72] LE, QUYNHGIAO, US
[72] MORGAN, JEFFREY DENYS, US
[72] GREEGOR, ROBERT B., US
[72] WHITING, BRENT A., US
[73] THE BOEING COMPANY, US
[86] (2934731)
[87] (2934731)
[22] 2016-06-29
[30] US (14/875,297) 2015-10-05

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[51] **Int.Cl. B02C 19/06 (2006.01)**
[25] EN
[54] **ROTARY COLLIDER AIR MILL**
[54] **BROYEUR A AIR A COLLISIONNEUR ROTATIF**
[72] FARR, REYNDOL PAT, US
[73] FARR, REYNDOL PAT, US
[85] 2016-07-19
[86] 2015-01-17 (PCT/US2015/000007)
[87] (WO2015/112318)
[30] US (61/965,078) 2014-01-22
[30] US (14/544,537) 2015-01-16

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[25] EN
[54] **CRUSHING TOOL**
[54] **OUTIL DE BROYAGE**
[72] FEICHTINGER, KLAUS, AT
[72] HACKL, MANFRED, AT
[72] PAULI, PETER, AT
[72] WEIGERSTORFER, GEORG, AT
[73] EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., AT
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[86] 2015-01-21 (PCT/AT2015/050020)
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[30] AT (A50055/2014) 2014-01-28

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[51] **Int.Cl. B01J 8/22 (2006.01) B01J 25/02 (2006.01) C07H 1/00 (2006.01)**
[25] EN
[54] **IMPROVED MULTIPHASE LOW MIXING PROCESSES**
[54] **PROCEDES AMELIORES DE MELANGE MULTI-PHASE FAIBLE**
[72] DASSORI, CARLOS GUSTAVO, US
[72] MA, CHI-CHENG, US
[72] WERPY, TODD, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2016-07-20
[86] 2015-01-20 (PCT/US2015/011951)
[87] (WO2015/119767)
[30] US (61/937,803) 2014-02-10

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[51] **Int.Cl. B65F 1/00 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **DYNAMICALLY ADJUSTABLE SENSORS FOR TRASH COMPACTORS AND RECEPTACLES**
[54] **CAPTEURS REGLABLES DE MANIERE DYNAMIQUE POUR COMPACTEURS POUR ORDURES MENAGERES ET CONTENANTS**
[72] SKOCYPEC, DAVID J., US
[72] SATWICZ, JEFFREY T., US
[72] FURCINITI, DOUGLAS J., US
[72] FELDMAN, MICHAEL E., US
[73] BIG BELLY SOLAR, INC., US
[85] 2016-08-08
[86] 2015-02-10 (PCT/US2015/015232)
[87] (WO2015/120462)
[30] US (61/937,930) 2014-02-10
[30] US (61/937,961) 2014-02-10

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[13] C
[51] **Int.Cl. H01B 9/02 (2006.01) H02G 1/00 (2006.01) H02G 3/00 (2006.01)**
[25] EN
[54] **ELECTRICAL POWER TRANSMISSION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRANSMISSION D'ENERGIE ELECTRIQUE**
[72] PICHKUR, YAROSLAV ANDREYEVITCH, US
[72] TIAJOLOFF, ANDREW L., US
[73] PICHKUR, YAROSLAV ANDREYEVITCH, US
[85] 2016-08-31
[86] 2014-03-03 (PCT/US2014/019823)
[87] (WO2014/137873)
[30] US (13/785,209) 2013-03-05

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[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 30/34 (2020.01) G09G 5/377 (2006.01)**
[25] EN
[54] **WEARABLE 3D AUGMENTED REALITY DISPLAY WITH VARIABLE FOCUS AND/OR OBJECT RECOGNITION**
[54] **AFFICHAGE A REALITE AUGMENTEE EN 3D PORTABLE A FOCALE VARIABLE ET/OU RECONNAISSANCE D'OBJET**
[72] HUA, HONG, US
[72] JAVIDI, BAHRAM, US
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[73] UNIVERSITY OF CONNECTICUT, US
[85] 2016-09-02
[86] 2015-03-05 (PCT/US2015/018951)
[87] (WO2015/134740)
[30] US (61/948,226) 2014-03-05

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[13] C
[51] **Int.Cl. B64D 11/04 (2006.01)**
[25] EN
[54] **GALLEY SYSTEM OF AN AIRCRAFT**
[54] **SYSTEME D'OFFICE DESTINE A UN AERONEF**
[72] MORAN, THOMAS JOSEPH, US
[73] THE BOEING COMPANY, US
[86] (2941819)
[87] (2941819)
[22] 2016-09-13
[30] US (14/949,483) 2015-11-23

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[13] C
[51] **Int.Cl. C07K 5/08 (2006.01) A61K 31/12 (2006.01) A61K 38/06 (2006.01) A61K 38/55 (2006.01) A61P 35/00 (2006.01) C07K 5/107 (2006.01)**
[25] EN
[54] **TRIPEPTIDE EPOXYKETONE COMPOUND CONSTRUCTED BY HETEROCYCLE AND PREPARATION METHOD AND USE THEREOF**
[54] **COMPOSE EPOXYCETONE TRIPEPTIDIQUE CONSTRUIT A PARTIR D'UN HETEROCYCLE ET PROCEDE POUR LE PREPARER ET L'UTILISER**
[72] HU, YONGZHOU, CN
[72] LI, JIA, CN
[72] LIU, TAO, CN
[72] ZHANG, JIANKANG, CN
[72] ZHOU, YUBO, CN
[72] YANG, BO, CN
[72] HE, QIAOJUN, CN
[72] XU, LEI, CN
[72] HU, XIAOBEI, CN
[73] ZHEJIANG UNIVERSITY, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2016-09-26
[86] 2015-03-11 (PCT/CN2015/073989)
[87] (WO2015/149607)
[30] CN (201410122313.4) 2014-03-30

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[54] **METHODE DE TRAITEMENT DE LA LEUCEMIE LYMPHOCYTAIRE CHRONIQUE**
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[72] BATES, DARCY, US
[73] BIONOMICS LIMITED, AU
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[54] **MECANISME DE DEPLOIEMENT DE CANULE**
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[72] JACKSON, ALYSSA, US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **DISPERSION DE POLYMERE ET SON APPLICATION DANS DES REVETEMENTS A CONCENTRATION PIGMENTAIRE VOLUMIQUE ELEVEE**
[72] LIU, HAN, CN
[72] DONG, XIANGTING, CN
[72] ZHANG, QINGWEI, CN
[72] WANG, CAIFENG, CN
[73] ROHM AND HAAS COMPANY, US
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[54] **APPAREIL EQUIPE D'UN CAPTEUR D'EMPREINTE DIGITALE**
[72] HOMER, ALOIS, AT
[73] NOVOMATIC AG, AT
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[54] **SYSTEMES DE TRAITEMENT D'IMAGE MEDICALE, ET LEURS PROCEDES**
[72] WODLINGER, BRIAN C., CA
[73] EXACT IMAGING INC., CA
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[54] **MILK JUG AND METHOD**
[54] **JARRE DE LAIT ET METHODE**
[72] LOCKE, PAUL, CA
[72] DIROMA, ANTONIO, CA
[73] LOCKE, PAUL, CA
[73] DIROMA, ANTONIO, CA
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[54] **MODELISATION PREDICTIVE D'AJUSTEMENT DE VALEURS INITIALES**
[72] BURROUGHS, JAMES S., US
[72] POTTS, MARK, US
[72] KUMAR, SHEETHAL, US
[72] TREAT, DAVID B., US
[72] PILLAI, VELAYUDHAN, US
[72] KAYARAT, VIVEK, IN
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
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[54] **FITNESS SYSTEMS AND METHODS THEREOF**
[54] **SYSTEMES DE CONDITION PHYSIQUE ET PROCEDES ASSOCIES**
[72] EDER, JAMES RYAN, US
[72] KENNEDY, KEVIN, US
[72] BLACKMAN, KYLE, US
[72] O'KELLY, MATTHEW, US
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[54] **FOAMED POLYCARBONATE SEPARATORS AND CABLES THEREOF**
[54] **SEPARATEURS EN POLYCARBONATE EXPANSE ET CABLES ASSOCIES**
[72] SIRIPURAPU, SRINIVAS, US
[72] BROWN, SCOTT M., US
[72] THWAITES, STEPHEN A., US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
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[54] **SURVEILLANCE DE PRESSION NON INVASIVE**
[72] RAUSCH, GREGORY J., US
[72] JOHNSON, TIMOTHY L., US
[72] PRIOR, MATTHEW, US
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[54] **ENSEMBLE DE BOULON DE TRACTION PAR LE HAUT**
[72] DEPIETRO, EDWARD A., US
[73] UNIVERSAL HINGE CORPORATION, US
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[54] **METHOD FOR TYING SAUSAGES IN A ROPE OF SAUSAGES**
[54] **PROCEDE POUR LIGATURER DES SAUCISSES SUR UN CORDON DE SAUCISSES**
[72] DOMLATIL, MIROSLAV, DE
[73] INOTEC GMBH MASCHINENENTWICKLUNG UND VERTRIEB, DE
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[54] **METHOD AND APPARATUS FOR ACOUSTIC EMISSIONS TESTING**
[54] **METHODE ET APPAREIL DE TEST D'EMISSIONS ACOUSTIQUES**
[72] TAT, HONG HUE, US
[72] WU, YUAN-JYE, US
[72] SCHAEFER, JOSEPH D., US
[72] MATTHEWS, MARY J., US
[72] KAO, ANNE, US
[72] PAUCA, VICTOR P., US
[72] LI, RONGZHONG, US
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[54] **ROUE EN ALUMINIUM COULE**
[72] CHENAULT III, H. CLAY, US
[72] HOOD, TIMOTHY WAYNE, US
[72] KAKAR, PARVEEN, US
[73] SUPERIOR INDUSTRIES INTERNATIONAL, INC., US
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[25] EN
[54] **TELESCOPING CAP ASSEMBLY FOR ENCAPSULATING A FASTENER DISPOSED WITHIN A CONFINED SPACE**
[54] **ASSEMBLAGE DE CAPUCHON TELESCOPIQUE SERVANT A ENCAPSULER UNE ATTACHE DISPOSEE DANS UN ESPACE CONFINE**
[72] ASTON, RICHARD W., US
[72] TOMZYNSKA, ANNA M., US
[72] LANGMACK, MICHAEL J., US
[72] MARTINEZ, JAZZMIN P., US
[73] THE BOEING COMPANY, US
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[54] **PROTECTION CORPORELLE SOUPLE**
[72] BECK, JASON, US
[73] TYR TACTICAL, LLC, US
[86] (2956760)
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[54] **METHOD OF DETERMINING PIK3CA MUTATIONAL STATUS IN A SAMPLE**
[54] **PROCEDE DE DETERMINATION DE L'ETAT DE MUTATION DE PIK3CA DANS UN ECHANTILLON**
[72] LIANIDOU, EVRYKLEIA, GR
[72] MARKOU, ATHINA, GR
[73] PHARMASSIST LTD, GR
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[54] **EXECUTING GRAPH-BASED PROGRAM SPECIFICATIONS**
[54] **EXECUTION DE SPECIFICATIONS DE PROGRAMME A BASE DE GRAPHES**
[72] STANFILL, CRAIG W., US
[72] SHAPIRO, RICHARD, US
[72] WEISS, ADAM, US
[72] ROBERTS, ANDREW F., US
[72] WHOLEY, JOSEPH SKEFFINGTON, III, US
[72] GOULD, JOEL, US
[72] KUKOLICH, STEPHEN A., US
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[54] **FLUID EXPANSION CHAMBER WITH PROTECTED BELLOW**
[54] **CHAMBRE DE DETENTE DE FLUIDE A SOUFFLET PROTEGE**
[72] REEVES, BRIAN PAUL, US
[72] WANG, CHENGBAO, US
[72] HOWELL, STEVEN ALAN, US
[73] GE OIL & GAS ESP, INC., US
[85] 2017-02-27
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[25] EN
[54] **MOBILE STERILIZATION APPARATUS AND METHODS FOR USING THE SAME**
[54] **APPAREIL DE STERILISATION MOBILE, ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] MAUZERALL, MICHELE, US
[72] KEENAN, MARYELLEN, US
[73] PROGRESSIVE STERILIZATION, LLC, US
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[54] **FLUID RESISTANT SOLENOID AND RELATED METHOD**
[54] **SOLENOIDE RESISTANT AUX FLUIDES ET PROCEDE ASSOCIE**
[72] CURTIN, KEVIN, US
[72] CHEKAS, DARRICK, US
[72] LAUDATO, FRANK D., US
[73] NORGREN LLC, US
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[54] **UN DISPOSITIF SERVANT A OBTENIR DU SANG ASEPTIQUE D'UN POISSON**
[72] SAWYER, EVELYN S., US
[73] SEA RUN HOLDINGS, INC., US
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[54] **ACCESS HATCH FOR UNMANNED TURRET OF AN ARMORED VEHICLE**
[54] **TRAPPE D'ACCES POUR TOURELLE NON HABITEE DE VEHICULE BLINDE**
[72] DALGIC, OKTAY, BE
[72] HAJ AYED, RIADH, BE
[73] CMI DEFENCE S.A., BE
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[54] **PET FEEDING SYSTEM**
[54] **SYSTEME D'ALIMENTATION POUR ANIMAL DE COMPAGNIE**
[72] MACNEIL, DAVID F., US
[72] MASANEK, FREDERICK W., JR., US
[73] MACNEIL IP LLC, US
[86] (2963121)
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[54] **MECANISME DE VERROUILLAGE THERMIQUE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] BRAUER, JACOB S., US
[72] BRESLIN, STUART DESHA, US
[72] SAMPSON, CRAIG FIELD, US
[73] ELI LILLY AND COMPANY, US
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[54] **LEG ASSEMBLY FOR HEIGHT ADJUSTABLE PATIENT SUPPORT**
[54] **ENSEMBLE DE PIED POUR SUPPORT DE PATIENT A HAUTEUR REGLABLE**
[72] ROUSSY, RICHARD, CA
[72] ELKU, JOSEPH, CA
[73] STRYKER CORPORATION, US
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[54] **SERPENTIN D'EVAPORATEUR SUPERCRITIQUE A TUBE VERTICAL A PASSAGE UNIQUE DESTINE A UN GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR HORIZONTAL**
[72] HENNESSEY, JAMES R., US
[72] HENNESSEY, SHAUN P., US
[72] POLONSKY, VLADIMIR S., US
[73] NOOTER/ERIKSEN, INC., US
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[54] **NEEDLE ASSEMBLY WITH NEEDLE INJECTION DEPTH ADJUSTMENT**
[54] **ENSEMBLE AIGUILLE AVEC AJUSTEMENT DE LA PROFONDEUR D'INJECTION DE L'AIGUILLE**
[72] WEST, ROBERT W., US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **MODULE D'ALIMENTATION ELECTRIQUE A RECHARGE SANS FIL**
[72] BYRNE, NORMAN R., US
[72] MORROW, NICKOLAS J., US
[73] BYRNE, NORMAN R., US
[86] (2965833)
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[25] EN
[54] **NOVEL THERMORESPONSIVE ADHESIVE MATERIAL, METHOD OF MAKING THE MATERIAL AND METHODS OF USE**
[54] **NOUVEAU MATERIAU ADHESIF REAGISSANT A LA CHALEUR, METHODE DE FABRICATION DU MATERIAU ET METHODES D'UTILISATION**
[72] DALAL, HARDIK, US
[72] ADJORLOLO, ALAIN A., US
[72] GROSS, ADAM F., US
[72] SHERMAN, ELENA, US
[73] THE BOEING COMPANY, US
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[54] **A PAPERMAKING PROCESS OF INCREASING ASH CONTENT OF A PAPER PRODUCT AND A PAPER PRODUCT OBTAINED BY THE SAME**
[54] **PROCEDE DE FABRICATION DE PAPIER POUR AUGMENTER LA TENEUR EN CENDRES D'UN PRODUIT DE PAPIER, ET PRODUIT DE PAPIER OBTENU PAR CELUI-CI**
[72] RAO, QINGLONG, CN
[72] ZHAO, YULIN, CN
[72] CHENG, WEIGUO, US
[72] ASHTON, STEPHEN B., GB
[72] TODOROVIC, ALEKSANDAR, FI
[72] SMITH, ALAN, GB
[73] ECOLAB USA INC., US
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[54] **METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT TO ASCERTAIN SUPPLY AND DEMAND ANALYTICS AND OUTPUTTING EVENTS BASED ON REAL-TIME DATA FOR PROXIMITY AND MOVEMENT OF INDIVIDUALS AND OBJECTS**
[54] **PROCEDE, APPAREIL ET PRODUIT-PROGRAMME INFORMATIQUE POUR L'ETABLISSEMENT D'ANALYSES D'OFFRES ET DE DEMANDES ET D'EVENEMENTS DE SORTIE FONDE SUR DES DONNEES EN TEMPS REEL CONCERNANT LA PROXIMITE ET LES MOUVEMENTS D'INDIVIDUS ET D'OBJETS**
[72] FEIN, MICHAEL, US
[72] BROWN, ANTHONY R., US
[72] HUFFMAN, JOHN, US
[72] GROM, ROBERT, US
[72] TORCHALSKI, KARL, US
[72] O'HAGAN, JAMES J., US
[73] ZEBRA TECHNOLOGIES CORPORATION, US
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[54] **CUISINIERE**
[72] CHENG, STANLEY KIN SUI, US
[72] DENG, ERIC, US
[72] MASON, MICHAEL, US
[73] HESTAN COMMERCIAL CORPORATION, US
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[25] EN
[54] **CONDUIT SLEEVE WITH DETACHABLE END CAP**
[54] **MANCHON DE CONDUIT DOTE D'UN BOUCHON D'EXTREMITE DETACHABLE**
[72] DRANE, MARK R., US
[73] THOMAS & BETTS INTERNATIONAL, LLC, US
[86] (2975038)
[87] (2975038)
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[54] **APPAREIL D'INJECTION DE BALLON ATMOSPHERIQUE ET SYSTEME**
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[73] GE OIL & GAS CANADA INC., US
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[54] **POCKETED SPRING COMFORT LAYER AND METHOD OF MAKING SAME**
[54] **COUCHE DE CONFORT A RESSORTS ENSACHES ET PROCEDE DE FABRICATION DE CETTE DERNIERE**
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[54] **METHODE DE FABRICATION D'UN FILTRE A GRAISSE DESTINE AUX SYSTEMES DE FILTRATION D'ECHAPPEMENT**
[72] ALEXANDER, GLENN DAVID, NZ
[72] SALPIETRA, JOSEPH ANTHONY, US
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[54] **RECEPTACLE DE CONTACT ELECTRIQUE POUR BARRES OMNIBUS ET BORNES DE LAME**
[72] BYRNE, NORMAN R., US
[72] KNAPP, ROBERT L., US
[72] MEEK, STEVEN K., US
[72] ANDREE, MATTHEW R., US
[72] BATTEY, DAVID J., US
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[54] **COUSSIN D'APPUI DESTINE A UN BAMBIN**
[72] PAPERNO, STEVEN, US
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[54] **PROCEDURE D'EVALUATION DE CANAL LIBRE AU NIVEAU DE DISPOSITIFS MAITRE ET ESCLAVE**
[72] PAPALEO, MARCO, US
[72] YERRAMALLI, SRINIVAS, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[72] LUO, TAO, US
[72] GAAL, PETER, US
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[54] **MOTIFS DE SIGNAUX DE REFERENCE DE POSITIONNEMENT AMELIORES POUR UN POSITIONNEMENT**
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[72] WANG, MENG, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **SYSTEME DE TACHE ROBOTIQUE**
[72] CRIVELLA, MICHELLE, US
[72] FREEMAN, PHILIP L., US
[72] KALIN, JOSHUA D., US
[72] STRONG, ROBERT STEPHEN, US
[72] MICHAELS, PATRICK JOEL, US
[73] THE BOEING COMPANY, US
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[54] **TECHNIQUES PERMETTANT UNE COEXISTENCE ENTRE DES COMMUNICATIONS DE PORTEUSES COMPOSANTES AMELIOREES ET DES COMMUNICATIONS DE PORTEUSES COMPOSANTES NON AMELIOREES**
[72] YOO, TAESANG, US
[72] XU, HAO, US
[72] MALLADI, DURGA PRASAD, US
[72] WEI, YONGBIN, US
[72] MALLIK, SIDDHARTHA, US
[72] SUN, JING, US
[72] VAJAPEYAM, MADHAVAN SRINIVASAN, US
[72] WANG, JUN, US
[72] LUO, TAO, US
[72] ZHANG, XIAOXIA, US
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[54] **MANUALLY MOVABLE CLEANING APPARATUS HAVING OPPOSITELY ROTATABLE ROLLERS**
[54] **APPAREIL DE NETTOYAGE DEPLACABLE MANUELLEMENT ET EQUIPE DE ROULEAUX CONTRAROTATIFS**
[72] WEIS, NORBERT, DE
[72] BAUMGART, DANIEL, DE
[73] CARL FREUDENBERG KG, DE
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[54] **RADIO FREQUENCY COIL METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL POUR BOBINE A RADIOFREQUENCES**
[72] POOLE, MICHAEL STEPHEN, US
[72] CHARVAT, GREGORY L., US
[72] REARICK, TODD, US
[72] ROTHBERG, JONATHAN M., US
[73] HYPERFINE RESEARCH, INC., US
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[54] **SYSTEME ET METHODE DE PERSONNALISATION DE PATISSERIE FONDEE SUR LES RESSOURCES**
[72] CASTLE, DARRYL C., US
[72] COCHRANE, DEBORAH A., US
[72] WOJCICKI, NICHOLAS A., US
[73] ARYZTA, LLC, US
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[54] **PLANT GROWTH-PROMOTING RHIZOBACTERIA INFUSED FERTILIZER**
[54] **ENGRAIS IMPREGNE DE RHIZOBACTERIES PROMOUVANT LA CROISSANCE DE PLANTES**
[72] ROACH, TOMMY, US
[72] BAME, GREGORY A., US
[73] NACHURS ALPINE SOLUTIONS, CORP., US
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[54] **DETERMINATION DES IMPULSIONS DE FLUIDE OPTIMALES POUR L'AMELIORATION DE LA PERMEABILITE ET LA PRODUCTIVITE D'UN RESERVOIR**
[72] BRODSKY, EMILY E., US
[72] CANDELA, THIBAULT, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **SYSTEMS AND METHODS FOR EXTRACORPOREAL SUPPORT**
[54] **SYSTEMES ET METHODES D'ASSISTANCE EXTRACORPORELLE**
[72] WANG, CHIH-HSIEN, TW
[72] CHEN, YIH-SHARNG, TW
[72] GILBERT, JOHN R., US
[73] ASIA PACIFIC MEDICAL TECHNOLOGY DEVELOPMENT COMPANY, LTD, CN
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[54] **SYSTEMS, METHODS, AND APPARATUSES FOR DOWNHOLE LATERAL DETECTION USING ELECTROMAGNETIC SENSORS**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE DETECTION LATERALE DE FOND DE TROU METTANT EN OEUVRE DES CAPTEURS ELECTROMAGNETIQUES**
[72] ARSALAN, MUHAMMAD, SA
[72] AHMAD, TALHA J., SA
[72] NOUI-MEHIDI, MOHAMED N., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **METHODE ET SYSTEME DE TRANSMISSION DE SIGNAL I/Q, ET APPAREIL**
[72] YIN, DONGMING, CN
[72] XIAN, LI, CN
[72] PENG, XIANGLIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **DETECTION DE DEFAILLANCE ELECTRIQUE D'UNE ALIMENTATION ELECTRIQUE SANS COUPURE**
[72] PATEL, JIGARKUMAR LAKSHMANBHAI, US
[72] HALLACY, STEPHEN, US
[73] TOSHIBA INTERNATIONAL CORPORATION, US
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[54] **SHAMPOOING POUR DEPOT DE COULEUR AMELIORE**
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[72] LABEAUD, LAUREN, US
[72] HIRSCH, LELAND, US
[73] CELEB LLC, US
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[54] **APPAREIL ET PROCEDE D'IMMOBILISATION D'UN BLOC FILTRANT DE DRAINAGE EN SOUBASSEMENT**
[72] BERKEBILE, DEAN T., US
[72] BRUCE, DANIEL E., US
[72] BALL, CHRISTOPHER J., US
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[54] **FORMES A BASE LIBRE CRISTALLINE D'UN COMPOSE BIPHENYLE**
[72] WOOLLAM, GRAHAME, GB
[73] THERAVANCE BIOPHARMA R&D IP, LLC, US
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[54] **AGENCEMENT DE CHASSIS DE VEHICULE A TROIS ROUES**
[72] HOLROYD, JAMES A.J., US
[72] ZILIAK, MARK ALAN, US
[72] ARAMAYO, GUSTAVO A., US
[72] WIEST, MATHEW BRADLEY, US
[72] UTTER, BRIAN T., US
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[72] HOHENSTEIN, JASON J., US
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[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 16200 AND CODE RATE OF 10/15 AND 256-SYMBOL MAPPING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT DE CODE DE VERIFICATION DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 16200 ET UN TAUX DE CODE DE 10/15 ET MAPPAGE DE SYMBOLE 256, ET METHODE D'ENTRELACEMENT DE BITS ASSOCIEE**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LIM, BO-MI, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
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[54] **STRUCTURE DE JOINT A BRASURE TENDRE DE CARTE DE CIRCUITS IMPRIMES SOUPLE**
[72] USUI, MITSUO, JP
[72] KIKUCHI, KIYOFUMI, JP
[72] TSUZUKI, KEN, JP
[72] FUKUDA, HIROSHI, JP
[72] ASAKAWA, SHUICHIRO, JP
[72] KAMEI, SHIN, JP
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[54] **GESTION D'ENERGIE POUR SYSTEMES DE REFRIGERATION**
[72] WALLACE, JOHN, US
[72] BELTRAN, FRANKLIN, US
[72] WALLIS, FRANK S., US
[72] BERTIE, KEITH, US
[72] FULLENKAMP, PAUL L., US
[73] EMERSON CLIMATE TECHNOLOGIES RETAIL SOLUTIONS, INC., US
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[54] **METHOD FOR EXTRACTING CARBOXYLIC ACIDS PRODUCED BY ANAEROBIC FERMENTATION FROM FERMENTABLE BIOMASS**
[54] **PROCEDE D'EXTRACTION D'ACIDES CARBOXYLIQUES PRODUITS PAR FERMENTATION ANAEROBIE A PARTIR DE BIOMASSE FERMENTESCIBLE**
[72] NOUAILLE, REGIS, FR
[72] PESSIOT, JEREMY, FR
[73] AFYREN, FR
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[54] **METHOD AND ARCHITECTURE FOR PROVIDING DATABASE ACCESS CONTROL IN A NETWORK WITH A DISTRIBUTED DATABASE SYSTEM**
[54] **PROCEDE ET ARCHITECTURE DESTINES A FOURNIR UNE COMMANDE D'ACCES A UNE BASE DE DONNEES DANS UN RESEAU DOTE D'UN SYSTEME DE BASE DE DONNEES DISTRIBUEES**
[72] DOUROS, BRYAN PHIL, US
[72] REVILAK, STEPHEN A., US
[73] AB INITIO TECHNOLOGY LLC, US
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[54] **CARTOUCHES UTILES POUR LE NETTOYAGE DE SOLUTIONS DE DIALYSE**
[72] MERCHANT, STEPHEN A., US
[72] ADAMS, KERISSA, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[86] (2991501)
[87] (2991501)
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[25] EN
[54] **TAMPER EVIDENT CONTAINER HAVING BONDED TAB**
[54] **CONTENANT INVIOLABLE DOTE D'UNE PATTE COLLEE**
[72] TRAHAN, JASON, US
[72] HANSON, MIKE, US
[72] SHAW, JOSH, US
[72] GIBSON, RODGER, US
[72] PROIDAN, ALEX, US
[73] FABRI-KAL CORPORATION, US
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[54] **GUIDE FEMORAL DE FINITION**
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[72] ROLSTON, LINDSEY R., US
[72] VANDIEPENBOS, JEFFERY A., US
[72] ROMANO, ANTHONY, US
[72] JONES, NOLAN C., US
[72] TOLER, JASON S., US
[72] EARL, BRIAN D., US
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[54] **WALL BLOCKS, VENEER PANELS FOR WALL BLOCKS AND METHOD OF CONSTRUCTING WALLS**
[54] **BLOCS DE PAROI, PANNEAUX DE PLACAGE DESTINES A DES BLOCS DE PAROI ET PROCEDE DE CONSTRUCTION DE PAROIS**
[72] MACDONALD, ROBERT, US
[73] KEYSTONE RETAINING WALL SYSTEMS, INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING THAT A GAMING DEVICE IS COMMUNICATING WITH A GAMING SERVER**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER QU'UN DISPOSITIF DE JEU COMMUNIQUE AVEC UN SERVEUR DE JEU**
[72] ALDERUCCI, DEAN, US
[73] CFPH, L.L.C., US
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[54] **CONSTELLATION DE SATELLITES DE CAPACITE FLEXIBLE**
[72] DANKBERG, MARK, US
[73] VIASAT, INC., US
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[54] **THREAT INTELLIGENCE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INTELLIGENCE CONTRE LES MENACES**
[72] MURPHY, BRIAN, US
[72] PARTLOW, JOE, US
[73] RELIAQUEST HOLDINGS, LLC, US
[85] 2018-02-01
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[54] **MATERIAL PROCESSING MACHINE WITH A COLORIZER SYSTEM AND METHODS OF REDUCING AND COLORIZING WASTE MATERIAL**
[54] **MACHINE DE TRAITEMENT DE MATERIAU AVEC UN SYSTEME DE COLORIEUR ET PROCEDES DE REDUCTION ET DE COLORISATION DES DECHETS**
[72] KIMBELL, KYLE DOUGLAS, US
[72] CROSS, CHAD DALE, US
[73] SMORACY, LLC, US
[86] (2994663)
[87] (2994663)
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[54] **SELF-HEALING COATINGS FOR OIL AND GAS APPLICATIONS**
[54] **REVETEMENTS AUTOREPARANTS POUR DES APPLICATIONS DE PETROLE ET DE GAZ**
[72] CHILUKURI, ANUSHA, US
[72] MURUGESAN, SANKARAN, US
[72] MONTEIRO, OTHON, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
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[54] **DISPOSITIF DE COIFFURE**
[72] SMITH, JACYNDA, US
[73] TYME LLC, US
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[87] (2996226)
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[54] **SIDE-BY-SIDE VEHICLE**
[54] **VEHICULE A SIEGES COTE A COTE**
[72] DECKARD, AARON D., US
[72] SAFRANSKI, BRIAN M., US
[72] SUNSDAHL, RICHARD L., US
[72] SCHNEIDER, MICHAEL D., US
[72] HANTEN, MICHAEL J., US
[72] JOHNSON, CAL W., US
[72] VAN BRONKHORST, KEVIN, US
[73] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **SEAL SURFACE ADAPTER FOR USE WITH TOILET FLUSH VALVES**
[54] **ADAPTATEUR DE SURFACE DE JOINT DESTINE AUX ROBINETS DE CHASSE D'EAU DE TOILETTE**
[72] GUTHRIE, KEVIN J., US
[73] LAVELLE INDUSTRIES, INC., US
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[54] **A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL DISC-RELATED PAIN**
[54] **COMPOSITION POUR UTILISATION DANS LE TRAITEMENT D'UNE DOULEUR ASSOCIEE AUX DISQUES INTERVERTEBRAUX**
[72] OLMARKER, KJELL, SE
[73] STAYBLE THERAPEUTICS AB, SE
[85] 2018-03-02
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[54] **EXCAVATING TOOTH ASSEMBLY WITH LOCKING PIN ASSEMBLY**
[54] **ENSEMBLE DENT D'EXCAVATION AVEC ENSEMBLE GOUPILLE DE VERROUILLAGE**
[72] VEGUNTA, VENKATA PRAKASH, US
[72] BILAL, MOHAMAD YOUSSEF, US
[73] HENSLEY INDUSTRIES, INC., US
[85] 2018-03-05
[86] 2016-10-03 (PCT/US2016/055198)
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[54] **AIRCRAFT LANDING GEAR ASSEMBLY**
[54] **DISPOSITIF DE TRAIN D'ATTERRISSAGE D'UN AERONEF**
[72] PARENTE, DANIELE, GB
[72] URBANI, ANDREA, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
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[54] **DIFFERENTIALLY PRIVATE PROCESSING AND DATABASE STORAGE**
[54] **TRAITEMENT DIFFERENTIELLEMENT PRIVE ET STOCKAGE DE BASE DE DONNEES**
[72] NERURKAR, ISHAAN, US
[72] HOCKENBROCHT, CHRISTOPHER, US
[72] SHAUGHNESSY, MICHAEL, US
[72] CHATAV, EITAN, US
[73] LEAPYEAR TECHNOLOGIES, INC., US
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[25] EN
[54] **CENTERING TECHNIQUE FOR A CUTTING LASER FOR REFRACTIVE OPHTHALMIC SURGERY**
[54] **TECHNIQUE DE CENTRAGE POUR UN LASER DE COUPE POUR UNE CHIRURGIE OPHTALMIQUE REFRACTIVE**
[72] SEILER, THEO, DE
[72] DONITZKY, CHRISTOF, DE
[72] RIEDEL, PETER, DE
[72] KLENKE, JORG, DE
[73] ALCON INC., US
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[54] **NUCLEIC ACID DERIVATIVE HAVING IMMUNOSTIMULATORY ACTIVITY**
[54] **DERIVE D'ACIDE NUCLEIQUE A ACTIVITE IMMUNOSTIMULANTE**
[72] KUGIMIYA, AKIRA, JP
[72] TANINO, TETSUYA, JP
[72] SEKIGUCHI, MITSUAKI, JP
[72] MITSUOKA, YASUNORI, JP
[72] KURODA, NORIKAZU, JP
[72] NAKAMURA, JUN, JP
[73] SHIONOGI & CO., LTD., JP
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[54] **MODIFIED ASPHALT PARTICLES AND PREPARATION METHOD AND USE THEREOF**
[54] **PARTICULE D'ASPHALTE MODIFIEE, PROCEDE DE PREPARATION ET APPLICATION ASSOCIES**
[72] FU, LI, CN
[72] GUO, JIAOHE, CN
[72] YAO, HANRONG, CN
[72] LIU, SHUHUA, CN
[72] ZHANG, JIANFENG, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC CORP., CN
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[25] EN
[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEUNG, KEVIN C.P., CN
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056030)
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[54] **MEDIUM VOLTAGE TRANSFORMERLESS MULTILEVEL CONVERTER AND METHOD FOR CONTROLLING A MEDIUM VOLTAGE TRANSFORMERLESS MULTILEVEL CONVERTER**
[54] **CONVERTISSEUR A PLUSIEURS NIVEAUX SANS TRANSFORMATEUR DE TENSION MOYENNE ET PROCEDE DE COMMANDE D'UN CONVERTISSEUR A PLUSIEURS NIVEAUX SANS TRANSFORMATEUR DE TENSION MOYENNE**
[72] MIHALACHE, LIVIU, US
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **EXTRACTION AND PROCESS FOR ACTIVE THYLAKOID MEMBRANES**
[54] **PROCEDE D'EXTRACTION POUR MEMBRANES THYLACOIDES ACTIVES**
[72] BOUCHER, NATHALIE, CA
[72] BOULET, ANDRE P., CA
[73] GROUPE SANTE DEVONIAN INC., CA
[85] 2018-06-01
[86] 2016-12-13 (PCT/CA2016/051467)
[87] (WO2017/100915)
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[51] **Int.Cl. C09K 3/00 (2006.01) C08J 9/14 (2006.01) C09K 3/30 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, 2-CHLORO-1,1,1-TRIFLUOROPROPENE, 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OR 2,3,3,3-TETRAFLUOROPROPENE**
[54] **COMPOSITIONS COMPRENANT DU 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, DU 2-CHLORO-1,1,1-TRIFLUOROPROPENE, DU 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OU DU 2,3,3,3-TETRAFLUOROPROPENE**
[72] MAHLER, BARRY ASHER, US
[72] NAPPA, MARIO JOSEPH, US
[73] THE CHEMOURS COMPANY FC, LLC, US
[86] (3008510)
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[54] **UNIT, MANIFOLD, AND FLOW PATH FORMING METHOD**
[54] **UNITE, COLLECTEUR ET PROCEDE DE FORMATION DE TRAJET D'ECOULEMENT**
[72] KAWASAKI, TETSUHARU, JP
[72] TOSHIRO, KENZOU, JP
[72] TAMADA, KAZUYUKI, JP
[72] MIYAZAWA, MISAO, JP
[73] SAKURA RUBBER CO., LTD., JP
[85] 2018-06-26
[86] 2017-01-12 (PCT/JP2017/000833)
[87] (WO2017/122726)
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[25] EN
[54] **OCULAR SURFACE INTERFEROMETRY (OSI) DEVICES, SYSTEMS, AND METHODS FOR IMAGING, PROCESSING, AND/OR DISPLAYING AN OCULAR TEAR FILM AND/OR MEASURING OCULAR TEAR FILM LAYER THICKNESS(ES)**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'INTERFEROMETRIE DE SURFACE OCULAIRE (OSI) POUR IMAGER, TRAITER ET/OU AFFICHER UN FILM LACRYMAL OCULAIRE ET/OU MESURER UNE EPAISSEUR DE COUCHE DE FILM LACRYMAL OCULAIRE (ES)**
[72] KORB, DONALD R., US
[72] WEBER, WILLIAM L., US
[72] CHINNOCK, RANDAL B., US
[72] GRAVELY, BENJAMIN T., US
[72] GRENON, STEPHEN M., US
[73] TEARSCIENCE, INC., US
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[62] 2,757,486
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[25] EN
[54] **DUAL PAWL RATCHET MECHANISM AND REVERSING METHOD**
[54] **MECANISME DE ROCHET A DOUBLE CLIQUET ET METHODE D'INVERSION**
[72] ROSS, DAVID T., US
[73] SNAP-ON INCORPORATED, US
[86] (3010643)
[87] (3010643)
[22] 2018-07-06
[30] US (15/719,055) 2017-09-28

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[51] **Int.Cl. G01N 23/207 (2018.01) E21B 49/08 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **PREDICTION APPARATUS AND METHOD OF PREDICTING DESORBED GAS VOLUME OF SHALE GAS RESERVOIR USING GEOPHYSICAL LOGGING DATA ANALYSIS**
[54] **APPAREIL DE PREDICTION ET METHODE DE PREDICTION DU VOLUME DE GAZ DESORBE D'UN RESERVOIR DE GAZ DE SCHISTE AU MOYEN D'ANALYSE DE DONNEES DE DIAGRAPHIE GEOPHYSIQUE**
[72] YANG, IL HO, KR
[72] LEE, HYUN SUK, KR
[73] KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES, KR
[85] 2018-07-10
[86] 2017-04-19 (PCT/KR2017/004208)
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[25] FR
[54] **SYSTEME DE LEVAGE A UTILISER AVEC DES ELEMENTS DE MEUBLES POUR AMELIORER L`ERGONOMIE**
[54] **LIFTING SYSTEM FOR USE WITH FURNITURE ELEMENTS FOR IMPROVING ERGONOMICS**
[72] LAVOIE, ROBERT, CA
[73] LAVOIE, ROBERT, CA
[86] (3011401)
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[51] **Int.Cl. C10G 1/08 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **SYNTHETIC FUELS AND CHEMICALS PRODUCTION WITH IN-SITU CO2 CAPTURE**
[54] **PRODUCTION DE COMBUSTIBLES ET PRODUITS CHIMIQUES DE SYNTHESE AVEC CAPTURE DE CO2 INSITU**
[72] FAN, LIANG-SHIH, US
[72] LI, FANXING, US
[72] ZENG, LIANG, US
[73] THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION, US
[86] (3011693)
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[62] 2,773,457
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[51] **Int.Cl. G06F 3/00 (2006.01) G06F 3/01 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DYNAMICALLY PROVIDING INFORMATION AT DETECTION OF EXIT INTENT ON A MOBILE COMPUTING DEVICE**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE DYNAMIQUE D'INFORMATIONS LORS DE LA DETECTION D'UNE INTENTION DE QUITTER UNE PAGE SUR UN DISPOSITIF INFORMATIQUE MOBILE**
[72] URBAN, RYAN JOSHUA, US
[72] WU, BING, US
[72] RUBIN, BENZION GRIBETZ, US
[72] WEST, JOSEPH, US
[72] ABDULZADE, NAMIK, US
[73] WUNDERKIND CORPORATION, US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014230)
[87] (WO2017/127609)
[30] US (62/281,407) 2016-01-21
[30] US (15/410,810) 2017-01-20

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[51] **Int.Cl. A61B 17/02 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR ASSISTING WITH SUBMUCOSAL DISSECTIONS**
[54] **SYSTEME ET APPAREIL D'ASSISTANCE DANS DES DISSECTIONS SOUS-MUQUEUSES**
[72] BHATT, AMIT, US
[72] GAO, SHENGQIANG, US
[72] KOLOSI, WILLIAM, US
[72] VARGO, JOHN, US
[73] THE CLEVELAND CLINIC FOUNDATION, US
[85] 2018-07-20
[86] 2017-01-19 (PCT/US2017/014038)
[87] (WO2017/127487)
[30] US (62/281,215) 2016-01-21
[30] US (62/293,505) 2016-02-10

[11] **3,013,618**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRAZOLO[1,5-A]PYRIMIDINE COMPOUNDS AS TRK KINASE INHIBITORS**
[54] **COMPOSES PYRAZOLO[1,5-A]PYRIMIDINES SUBSTITUEES EN TANT QU'INHIBITEURS DES TRK KINASES**
[72] ALLEN, SHELLEY, US
[72] ANDREWS, STEVEN WADE, US
[72] CONDROSKI, KEVIN RONALD, US
[72] HAAS, JULIA, US
[72] HUANG, LILY, US
[72] JIANG, YUTONG, US
[72] KERCHER, TIMOTHY, US
[72] SEO, JEONGBEOB, US
[73] ARRAY BIOPHARMA INC., US
[86] (3013618)
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[22] 2010-07-09
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[51] **Int.Cl. A61M 39/28 (2006.01)**
[25] EN
[54] **PINCH CLAMP**
[54] **PINCE**
[72] SONDEREGGER, RALPH L., US
[72] BURKHOLZ, JONATHAN KARL, US
[72] HARDING, WESTON F., US
[72] HU, OLIVIA, CN
[72] PETERSON, BART D., US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **DETERMINATION OF AN ITEM OF DISTANCE INFORMATION FOR A VEHICLE**
[54] **DETERMINATION D'UN ELEMENT D'INFORMATION A DISTANCE POUR UN VEHICULE**
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[72] MEINECKE, MARC-MICHAEL, DE
[72] RUCHATZ, THOMAS, DE
[72] EFFERTZ, JAN, DE
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[54] **SYSTEM AND METHOD FOR THE DETECTION OF ACRYLAMIDE PRECURSORS IN RAW POTATOES AND POTATO-BASED FOOD PRODUCTS**
[54] **SYSTEME ET PROCEDE PERMETTANT LA DETECTION DE PRECURSEURS D'ACRYLAMIDE DANS DES POMMES DE TERRE CRUES ET PRODUITS ALIMENTAIRES A BASE DE POMMES DE TERRE**
[72] THIENPONT, HUGO, BE
[72] MEULEBROECK, WENDY, BE
[72] SMEESTERS, LIEN, BE
[73] TOMRA SORTING N.V., BE
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[54] **INDUCTION FURNACE AND METHOD FOR CARRYING OUT A HEAT TREATMENT OF A DENTAL REPLACEMENT PART**
[54] **FOUR A INDUCTION ET PROCEDE POUR FAIRE SUBIR UN TRAITEMENT THERMIQUE A UN ELEMENT PROTHETIQUE DENTAIRE**
[72] SCHMIDT, CHRISTIAN, DE
[72] BAURER, MICHAEL, DE
[73] SIRONA DENTAL SYSTEMS GMBH, DE
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[54] **INJECTION MOLDING CONTROLLER INTERFACE WITH USER-ADJUSTABLE VARIABLES**
[54] **INTERFACE DE DISPOSITIF DE COMMANDE DE MOULAGE PAR INJECTION AVEC VARIABLES AJUSTABLES PAR L'UTILISATEUR**
[72] ALTONEN, GENE MICHAEL, US
[72] BURNS, BRIAN MATTHEW, US
[72] HANSON, HERBERT KENNETH, III, US
[73] IMFLUX INC., US
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[54] **LOGEMENT DE BRULEUR**
[72] KOVACIC, THOMAS, US
[72] MATTICH, MICHAEL, US
[72] BUGAR, GARY, US
[73] BERRY METAL COMPANY, US
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[54] **SYSTEME DE GESTION DE MACHINE DE TRAVAIL**
[72] OGIHARA, MASANORI, JP
[72] TAKEDA, KOJI, JP
[72] OZAKI, TOMONORI, JP
[72] NISHIJIMA, AKIHARU, JP
[72] KOU, RYUUEN, JP
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[54] **FRACTURING ASSEMBLY WITH CLEAN OUT TUBULAR STRING**
[54] **ENSEMBLE DE FRACTURATION COMPRENANT TRAIN DE TIGES TUBULAIRES DE NETTOYAGE**
[72] FROSELL, THOMAS JULES, US
[72] GEOFFROY, GARY JOHN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **SELF-CLEANING FEATURES FOR EXTRACTION CLEANERS**
[54] **CARACTERISTIQUES AUTONETTOYANTES POUR APPAREILS DE NETTOYAGE PAR EXTRACTION**
[72] ROYALE, VICTORIA J., US
[72] GRIFFITH, AARON P., US
[72] MILLER, DAVID M., US
[72] LUYCKX, MICHAEL, US
[72] WOLFE, BRIAN C., US
[72] BENACQUISTO, JUSTIN, US
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[54] **METHOD FOR SETTING MOTION VECTOR LIST AND APPARATUS USING SAME**
[54] **PROCEDE POUR CONFIGURER UNE LISTE DE VECTEURS DE MOUVEMENT ET APPAREIL UTILISANT CELUI-CI**
[72] PARK, SEUNG WOOK, KR
[72] LIM, JAE HYUN, KR
[72] KIM, JUNG SUN, KR
[72] PARK, JOON YOUNG, KR
[72] CHOI, YOUNG HEE, KR
[72] JEON, BYEONG MOON, KR
[72] JEON, YONG JOON, KR
[73] LG ELECTRONICS INC., KR
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[54] **CALIBRATION METHODS FOR MULTI-VARIETY SEED METERS AND RELATED SYSTEMS**
[54] **METHODES D'ETALONNAGE DESTINEES A DES DOSEURS DE SEMENCES MULTIVARIETES ET SYSTEMES ASSOCIES**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[73] CNH INDUSTRIAL AMERICA LLC, US
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[54] **MONO-WEB PACKAGE WITH TAMPER-EVIDENT TEAR STRIP AND RESEALABLE FLAP PORTION**
[54] **EMBALLAGE MONOFILM A BANDE DE DECHIRURE A PREUVE D'EFFRACTION ET PARTIE DE VOLET RESCELLABLE**
[72] HUFFER, SCOTT WILLIAM, US
[73] SONOCO DEVELOPMENT, INC., US
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[54] **CANNULA AND NEEDLE ASSEMBLY**
[54] **CANULE ET ENSEMBLE AIGUILLE**
[72] MISLE, GAYLE, US
[73] MISLE, GAYLE, US
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[54] **IDENTIFICATION AND RECONCILIATION OF NETWORK RESOURCE INFORMATION**
[54] **IDENTIFICATION ET RAPPROCHEMENT D'INFORMATIONS DE RESSOURCES RESEAU**
[72] MASSARENTI, DAVIDE, US
[72] PUVVADA, MADHAVI, US
[72] POLINATI, CHINNA BABU, US
[72] GUPTA, MANISH, US
[72] AMRADKAR, PURUSHOTTAM, US
[72] LIN, HONGBIN, US
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[54] **FRACTIONAL ABUNDANCE OF POLYNUCLEOTIDE SEQUENCES IN A SAMPLE**
[54] **ABONDANCE FRACTIONNAIRE DE SEQUENCES POLYNUCLEOTIDIQUES DANS UN ECHANTILLON**
[72] ZHAO, YANAN, US
[72] MCKENNA, WILLIAM, US
[72] DUNBAR, WILLIAM B., US
[73] ONTERA INC., US
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[54] **SYSTEM FOR MIXING FLUIDS BY COALESCENCE OF MULTIPLE EMULSIONS**
[54] **SYSTEME DE MELANGE DE FLUIDES PAR COALESCENCE D'EMULSIONS MULTIPLES**
[72] HINDSON, BENJAMIN J., US
[72] COLSTON, BILLY W., JR., US
[72] NESS, KEVIN D., US
[72] MASQUELIER, DONALD A., US
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[54] **STRIP CLADDING HEADS HAVING STRIP PRESSURE LIMITS AND STRIP CLADDING SYSTEMS WITH STRIP CLADDING HEADS HAVING STRIP PRESSURE LIMITS**
[54] **TETES D'ENROBAGE DE BANDE AYANT DES LIMITES DE PRESSION DE BANDE ET SYSTEMES D'ENROBAGE DE BANDE A TETES D'ENROBAGE DE BANDE AYANT DES LIMITES DE PRESSION DE BANDE**
[72] BRAMBILLA, FABRIZIO BERNARDO, US
[72] TOMA, CATALIN, US
[72] REDAELLI, DOMENICO, US
[72] KEULTJES, PETRUS HERMANUS, US
[73] ILLINOIS TOOL WORKS INC., US
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[54] **A METHOD OF FILLING FEEDING PANS AS WELL AS A FEEDING SYSTEM**
[54] **PROCEDE DE REMPLISSAGE DE PLATEAUX D'ALIMENTATION ET SYSTEME D'ALIMENTATION**
[72] ANDERSEN, KARSTEN EGELUND, DK
[73] LANDMECO, OLGOD A/S, DK
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[54] **METHODS FOR RECOVERING METALS FROM ELECTRONIC WASTE, AND RELATED SYSTEMS**
[54] **PROCEDES POUR LA RECUPERATION DE METAUX A PARTIR DE DECHETS ELECTRONIQUES ET SYSTEMES S'Y RAPPORTANT**
[72] LISTER, TEDD E., US
[72] PARKMAN, JACOB A., US
[72] DIAZ ALDANA, LUIS A., US
[72] CLARK, GEMMA, US
[72] DUFEK, ERIC JOHN, US
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[54] **APPAREIL ET PROCEDE D'INTERFEROMETRIE PHOTOTHERMIQUE**
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[72] LENDL, BERNHARD, AT
[73] TECHNISCHE UNIVERSITAT WIEN, AT
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[54] **LOW LATENCY POWER SUPPLY FOR NOTIFICATION APPLIANCE SYNCHRONIZATION**
[54] **ALIMENTATION A FAIBLE LATENCE SERVANT A LA NOTIFICATION DE SYNCHRONISATION D'APPAREIL ELECTROMENAGER**
[72] ROBOTHAM, MARTIN PAUL, US
[72] TASPEK, LEVENT, US
[73] CARRIER CORPORATION, US
[86] (3028307)
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[54] **A CAR RUNNING BOARD AND CAR**
[54] **UN TABLEAU DE BORD D'AUTOMOBILE ET AUTOMOBILE**
[72] YANG, JIE, CN
[72] HE, WEITING, CN
[72] DAI, TONG, CN
[72] YU, CHANGLING, CN
[72] CHEN, YONGBO, CN
[73] WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO., LTD., CN
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[54] **FAST DRY STAIN FORMULA**
[54] **FORMULE DE TEINTURE A SECHAGE RAPIDE**
[72] STEFFENHAGEN, MARK JAMES, US
[72] DOAN, MY DIEM, US
[72] GREGORIO, DEAN ALCOMENDAS, US
[73] BEHR PROCESS CORPORATION, US
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[54] **DISPOSITIF POUR OTER LES ARETES DE LA LIGNE LATERALE DE FILETS DE POISSON**
[72] RUSKO, TORSTEN, DE
[72] BARSCH, THOMAS, DE
[72] VAHAB, ALI, SE
[73] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO.KG, DE
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[54] **HEAT EXCHANGER FOR QUENCHING REACTION GAS**
[54] **ECHANGEUR DE CHALEUR POUR LE REFROIDISSEMENT BRUSQUE D'UN GAZ DE REACTION**
[72] NAMARVAR, ESMAEIL MAHMOUDI, FR
[72] OUD, PETER, FR
[73] TECHNIP FRANCE, FR
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[54] **DRILLING DEVICE FOR EARTH OR ROCK DRILLING AND METHOD FOR RETROFITTING SUCH A DRILLING DEVICE**
[54] **DISPOSITIF DE FORAGE DESTINE AU FORAGE DE TERRE OU DE ROC ET METHODE D'ADAPTATION D'UN TEL DISPOSITIF DE FORAGE**
[72] MERZHAEUSER, MARKUS, DE
[72] KOESTER, ROBIN, DE
[73] EURODRILL GMBH, DE
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[54] **DISPOSITIFS DE PRODUCTION D'ENERGIE HAUTE EFFICACITE**
[72] PALMER, MILES R., US
[72] ALLAM, RODNEY JOHN, US
[72] FETVEDT, JEREMY ERON, US
[73] PALMER LABS, LLC, US
[73] 8 RIVERS CAPITAL, LLC, US
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[72] WAGNER, DIETMAR, AT
[73] DOKA GMBH, AT
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[54] **AUDIO PROVIDING APPARATUS AND AUDIO PROVIDING METHOD**
[54] **APPAREIL DE FOURNITURE AUDIO ET PROCEDE DE FOURNITURE AUDIO**
[72] CHON, SANG-BAE, KR
[72] KIM, SUN-MIN, KR
[72] PARK, JAE-HA, KR
[72] SON, SANG-MO, KR
[72] JO, HYUN, KR
[72] CHUNG, HYUN-JOO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **COMMANDE DE DERIVATION EN TEMPS REEL DES TRAITEMENTS DE STIMULATION UTILISANT UNE TORTUOSITE ET UNE ANALYSE D'ABAISSEMENT**
[72] MADASU, SRINATH, US
[72] GULLICKSON, GEOFFREY W., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **VACUUM SEALABLE CONTAINER WITH INTERNAL PUMP MECHANISM**
[54] **RECIPIENT POUVANT ETRE FERME HERMETIQUEMENT SOUS VIDE AVEC UN MECANISME DE POMPE INTERIEUR**
[72] COSGAREA, ANDREW D., US
[73] HBL HOLDINGS, LLC, US
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[30] US (62/367,541) 2016-07-27
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[54] **BRISTLE TUFT CONFIGURATION FOR A TOOTHBRUSH**
[54] **CONFIGURATION DES TOUFFES DE POILS D'UNE BROSSE A DENTS**
[72] JI, YANMEI, CN
[73] COLGATE-PALMOLIVE COMPANY, US
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[51] **Int.Cl. C12P 1/02 (2006.01) A23L 31/00 (2016.01) A61K 36/062 (2006.01) A61P 27/02 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **USE OF CORDYCEPS CICADAE MYCELIUM ACTIVE SUBSTANCES FOR MANUFACTURING A COMPOSITION FOR PREVENTING, POSTPONING OR TREATING CHANGES IN THE ANTERIOR/POSTERIOR CHAMBER VOLUME, VITREOUS HUMOUR, AND/OR RETINAL DETACHMENT**
[54] **UTILISATION DE SUBSTANCES ACTIVES DE CORDYCEPS CICADAE MYCELIUM POUR LA FABRICATION D'UNE COMPOSITION POUR LA PREVENTION, LE REPORT OU LE TRAITEMENT DE MODIFICATIONS DU VOLUME DE LA CHAMBRE ANTERIEURE/POSTERIEURE, DE L'HUMEUR VITREUSE ET/OU DU DECOLLEMENT DE LA RETINE**
[72] CHEN, CHIN-CHU, CN
[72] YEH, SHU-HSING, CN
[72] LEE, LI-YA, CN
[72] HSU, JUI-HSIA, CN
[73] GRAPE KING BIO LTD., CN
[86] (3032527)
[87] (3032527)
[22] 2019-02-04
[30] TW (107129637) 2018-08-24

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[51] **Int.Cl. E21B 47/022 (2012.01) E21B 41/00 (2006.01) E21B 47/024 (2006.01)**
[25] EN
[54] **DIRECTIONAL BUTTON EXCITATION FOR RANGING APPLICATIONS**
[54] **EXCITATION DE BOUTON DIRECTIONNELLE POUR APPLICATIONS DE TELEMETRIE**
[72] DONDERICI, BURKAY, US
[72] GUNER, BARIS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-02-06
[86] 2016-09-19 (PCT/US2016/052506)
[87] (WO2018/052453)

[11] **3,033,224**
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[51] **Int.Cl. E04B 1/94 (2006.01) B32B 5/18 (2006.01) B32B 21/00 (2006.01) E04C 2/24 (2006.01) E04C 2/296 (2006.01) E04C 3/12 (2006.01) E04C 3/14 (2006.01)**
[25] EN
[54] **WOOD-BASED MATERIAL INSULATED FOR COMBUSTION RESISTANCE**
[54] **MATERIAU A BASE DE BOIS ISOLE POUR LA RESISTANCE A LA COMBUSTION**
[72] STEWART, GREGORY T., US
[72] KALINOWSKI, MATTHEW J., US
[72] PATANKAR, KSHITISH A., US
[72] REN, DAKAI, US
[72] CRAIN, STEVEN P., US
[72] HERST, ERNEST J., US
[72] CHENEY, DANIEL W., US
[72] OLSON, JEFFREY K., US
[72] CONGLETON, TYLER G., US
[73] DDP SPECIALTY ELECTRONIC MATERIALS US, LLC, US
[85] 2019-02-06
[86] 2017-07-31 (PCT/US2017/044585)
[87] (WO2018/031270)
[30] US (62/372,848) 2016-08-10

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[51] **Int.Cl. E06C 7/14 (2006.01) E06C 1/28 (2006.01) E06C 7/48 (2006.01)**
[25] EN
[54] **LADDER WITH TOP FOR HOLDING AN IMPACT DRIVER AND METHOD**
[54] **ECHELLE EQUIPEE D'UN DESSUS SERVANT A TENIR UN APPAREIL D'ENTRAINEMENT A IMPACT ET METHODE**
[72] DANGROW, JOSEPH, US
[72] JOHNSON, TROY, US
[72] BIBLER, DEREK, US
[72] RUPPEN, CHRISTOPHER, US
[73] WERNER CO., US
[86] (3033310)
[87] (3033310)
[22] 2019-02-11
[30] US (15/903,904) 2018-02-23

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/275 (2006.01) A61K 31/519 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CRYSTAL FORMS AND SALT FORMS OF 7H-PYRROLO[2,3-D]PYRIMIDINE COMPOUNDS AND PREPARATION METHOD THEREOF**
[54] **FORME CRISTALLINE ET FORME SALINE DU COMPOSE 7H-PYRROLO [2,3-D] PYRIMIDINE ET SON PROCEDE DE PREPARATION**
[72] MAO, WEIWEI, CN
[72] WU, HAO, CN
[72] GUO, QIANG, CN
[72] ZHENG, XUEJIAN, CN
[72] LIAO, YONGGANG, CN
[73] WUXI FORTUNE PHARMACEUTICAL CO., LTD, CN
[85] 2019-02-08
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[51] **Int.Cl. A24F 23/00 (2006.01) G09F 3/00 (2006.01)**
[25] EN
[54] **PRODUCT CONTAINER COMPRISING TRANSPARENT MEMBER**
[54] **RECIPIENT DE PRODUIT COMPRENANT UN ELEMENT TRANSPARENT**
[72] BJORKHOLM, LARS, SE
[73] WINNINGTON AB, SE
[85] 2019-02-14
[86] 2017-08-22 (PCT/EP2017/071163)
[87] (WO2018/037019)
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[25] EN
[54] **HYDROPHILIC COPOLYMER WITH ONE THIOL-CONTAINING TERMINAL GROUP**
[54] **COPOLYMERE HYDROPHILE DOTE D'UN GROUPE TERMINAL CONTENANT UN SEUL THIOL**
[72] CHANG, FRANK, US
[72] HOLLAND, TROY VERNON, US
[72] MOY, THOMAS M., US
[73] ALCON INC., US
[85] 2019-02-19
[86] 2017-10-12 (PCT/IB2017/056312)
[87] (WO2018/073702)
[30] US (62/409,944) 2016-10-19

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[13] C
[51] **Int.Cl. C08F 8/34 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **HYDROPHILIC COPOLYMER WITH PENDANT THIOL GROUPS**
[54] **COPOLYMERE HYDROPHILE A GROUPES THIOL PENDANTS**
[72] CHANG, FRANK, US
[72] HOLLAND, TROY VERNON, US
[72] JING, FENG, US
[72] DESOUSA, RYAN, US
[73] ALCON INC., US
[85] 2019-02-19
[86] 2017-10-12 (PCT/IB2017/056313)
[87] (WO2018/073703)
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 41/00 (2006.01) H04B 3/02 (2006.01) H04B 3/54 (2006.01)**
[25] EN
[54] **MULTI-GAUGE COMMUNICATIONS OVER AN ESP POWER BUS**
[54] **COMMUNICATIONS MULTI-JAUGE SUR UN BUS ELECTRIQUE ESP**
[72] REED, STEWART DAROLD, US
[72] BOYANAPALLY, SRILATHA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-02-27
[86] 2016-10-19 (PCT/US2016/057756)
[87] (WO2018/075037)

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[13] C
[51] **Int.Cl. B60P 3/32 (2006.01) B60J 5/12 (2006.01)**
[25] EN
[54] **EXPANDABLE VEHICLE SHELTER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ABRI DE VEHICULE EXTENSIBLE**
[72] STOETZL, MARK, US
[73] STRATO GEAR CORP., US
[85] 2019-02-27
[86] 2017-08-17 (PCT/US2017/047429)
[87] (WO2018/048601)
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[25] EN
[54] **STABILIZER AND ASSEMBLING METHOD THEREFOR**
[54] **STABILISATEUR ET SON PROCEDE D'ASSEMBLAGE**
[72] OHMURA, SHUJI, JP
[72] KURODA, SHIGERU, JP
[73] NHK SPRING CO., LTD., JP
[85] 2019-03-04
[86] 2017-08-07 (PCT/JP2017/028546)
[87] (WO2018/043044)
[30] JP (2016-172571) 2016-09-05

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[51] **Int.Cl. G05F 1/56 (2006.01) H02H 9/00 (2006.01) H02M 3/156 (2006.01)**
[25] EN
[54] **CHARGE MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE CHARGE**
[72] LINDSAY, BRUCE J., US
[73] RAYTHEON COMPANY, US
[85] 2019-03-06
[86] 2017-05-02 (PCT/US2017/030502)
[87] (WO2018/052489)
[30] US (15/266,531) 2016-09-15

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[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 23/00 (2015.01) H02G 3/12 (2006.01)**
[25] EN
[54] **UNIVERSAL LIGHTING PAN WITH QUICK SPLICEBOX CONNECTION**
[54] **PLAFONNIER POUR LUMINAIRE UNIVERSEL AVEC BOITIER D`EPISSURE POUR CONNEXION RAPIDE**
[72] MOMIN, MOHAMED, US
[72] MAJOR, MARK CHARLES, US
[72] SMITH, KIM BROWN, US
[73] ABL IP HOLDING LLC, US
[86] (3037017)
[87] (3037017)
[22] 2019-03-18

[11] **3,037,283**
[13] C
[51] **Int.Cl. D21F 11/00 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **DEFLECTION MEMBER FOR MAKING FIBROUS STRUCTURES**
[54] **ELEMENT DE DEVIATION UNITAIRE POUR LA FABRICATION DE STRUCTURES FIBREUSES**
[72] BRENT, JOHN LESLIE, JR., US
[72] SINGER, JAMES MICHAEL, US
[72] MANIFOLD, JOHN ALLEN, US
[72] WATKINS, ERIC JAMES, US
[72] CASTILLO, MARIO, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-15
[86] 2017-10-27 (PCT/US2017/058662)
[87] (WO2018/081498)
[30] US (62/413,585) 2016-10-27
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[51] **Int.Cl. D21F 11/00 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **DEFLECTION MEMBER FOR MAKING FIBROUS STRUCTURES**
[54] **ELEMENT DE DEVIATION POUR LA FABRICATION DE STRUCTURES FIBREUSES**
[72] BRENT, JOHN LESLIE, JR., US
[72] SINGER, JAMES MICHAEL, US
[72] MANIFOLD, JOHN ALLEN, US
[72] WATKINS, ERIC JAMES, US
[72] CASTILLO, MARIO, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-15
[86] 2017-10-27 (PCT/US2017/058664)
[87] (WO2018/081500)
[30] US (62/413,585) 2016-10-27
[30] US (62/527,063) 2017-06-30

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[51] **Int.Cl. B01J 8/02 (2006.01) B01D 29/11 (2006.01) B01D 29/44 (2006.01) B01D 33/067 (2006.01)**
[25] EN
[54] **CYLINDRICAL WALL FOR FILTERING SOLID PARTICLES IN A FLUID**
[54] **PAROI CYLINDRIQUE DE FILTRAGE DE PARTICULES SOLIDES DANS UN FLUIDE**
[72] NASCIMENTO, PEDRO, FR
[72] SELMEN, ARNAUD, FR
[72] ALLEN, MATTHEW, US
[73] TOTAL RAFFINAGE CHIMIE, FR
[85] 2019-03-20
[86] 2017-09-18 (PCT/EP2017/073476)
[87] (WO2018/054839)
[30] FR (1658816) 2016-09-20

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[13] C
[51] **Int.Cl. A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL-GENERATING SYSTEM WITH ADJUSTABLE PUMP FLOW RATE**
[54] **SYSTEME DE GENERATION D'AEROSOL A DEBIT DE POMPE REGLABLE**
[72] BESSANT, MICHEL, CH
[72] MAZUR, BEN, GB
[72] SAADE LATORRE, EVA, CH
[72] TABASSO, ALAIN, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2019-03-20
[86] 2017-10-27 (PCT/EP2017/077666)
[87] (WO2018/099663)
[30] EP (16201194.4) 2016-11-29

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[13] C
[51] **Int.Cl. E21B 43/25 (2006.01) E21B 43/17 (2006.01) E21B 43/26 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **WIRELESS ACTIVATION OF WELLBORE COMPLETION ASSEMBLIES**
[54] **ACTIVATION SANS FIL D'ENSEMBLES DE CONDITIONNEMENT DE PUITS DE FORAGE**
[72] MERRON, MATTHEW JAMES, US
[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL LINLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-03-21
[86] 2016-10-31 (PCT/US2016/059641)
[87] (WO2018/080529)

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[51] **Int.Cl. H02J 7/00 (2006.01) B60L 15/00 (2006.01) B60S 5/00 (2006.01) B63B 17/00 (2006.01) B63H 21/17 (2006.01) B64D 27/24 (2006.01) B64D 41/00 (2006.01) H02J 3/38 (2006.01) H02J 15/00 (2006.01) H02M 1/08 (2006.01) H02P 27/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN ON-BOARD FAST CHARGER**
[54] **SYSTEMES ET PROCEDES POUR CHARGEUR RAPIDE EMBARQUE**
[72] LEHN, PETER, CA
[72] SHI, RUOYUN, CA
[72] SOONG, THEODORE, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[73] HAVELAAR CANADA INDUSTRIAL R & D LABORATORY LTD., CA
[85] 2019-03-26
[86] 2018-06-13 (PCT/CA2018/000117)
[87] (WO2018/227270)
[30] US (62/518,949) 2017-06-13

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[13] C
[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01)**
[25] EN
[54] **INPUT CONTROL SIGNALS PROPAGATED OVER SIGNAL PATHS**
[54] **SIGNAUX DE COMMANDE D'ENTREE PROPAGES SUR DES TRAJETS DE SIGNAL**
[72] NG, BOON BING, SG
[72] GOY, HANG RU, SG
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2019-03-27
[86] 2016-10-06 (PCT/US2016/055701)
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[51] **Int.Cl. C01B 33/107 (2006.01) C23C 16/44 (2006.01)**
[25] EN
[54] **METHOD FOR STABILIZING CHLOROSILANE POLYMER**
[54] **METHODE DE STABILISATION DE POLYMERE DE CHLOROSILANE**
[72] TANAKA, YASUTOMO, JP
[72] OOTSUKA, YUUTA, JP
[72] KUBOTA, WATARU, JP
[72] ISHIZAKI, MASATO, JP
[72] AKAZAKI, KOZUE, JP
[73] IHI CORPORATION, JP
[85] 2019-04-01
[86] 2017-10-03 (PCT/JP2017/035981)
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[30] JP (2016-222956) 2016-11-16

[11] **3,039,708**
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[51] **Int.Cl. F21V 15/01 (2006.01) F21V 29/70 (2015.01) F21K 9/00 (2016.01) F21V 23/00 (2015.01) F21V 31/00 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE AND RETROFIT KIT FOR DEMANDING ENVIRONMENTS**
[54] **APPAREIL D`ECLAIRAGE ET NECESSAIRE DE CONVERSION POUR ENVIRONNEMENTS EXIGEANTS**
[72] KELLY, RICK MARTIN, US
[72] BELLA, RICHARD H. S., US
[72] MICHAELIS, CHRISTOPHER WILLIAM, US
[72] HARVEY, JOHN BRYAN, US
[73] ABL IP HOLDING LLC, US
[86] (3039708)
[87] (3039708)
[22] 2019-04-10
[30] US (16/211,425) 2018-12-06

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[25] EN
[54] **OXIME GROUP-CONTAINING QUINOLINE COMPOUND, N-OXIDE THEREOF OR SALT THEREOF, AGRICULTURAL AND HORTICULTURAL INSECTICIDE COMPRISING THE COMPOUND, AND METHOD FOR USING THE INSECTICIDE**
[54] **COMPOSE DE QUINOLEINE AYANT UN GROUPE OXIME, N-OXYDE OU SEL DE CELUI-CI, INSECTICIDE AGRICOLE ET HORTICOLE LE COMPRENANT ET SON PROCEDE D'UTILISATION**
[72] SHIMIZU, NAOTO, JP
[72] YONEMURA, IKKI, JP
[72] SANO, YUSUKE, JP
[72] SUWA, AKIYUKI, JP
[72] FUJIE, SHUNPEI, JP
[73] NIHON NOHYAKU CO., LTD., JP
[85] 2019-04-09
[86] 2017-10-31 (PCT/JP2017/039323)
[87] (WO2018/084142)
[30] JP (2016-214099) 2016-11-01
[30] JP (2017-060207) 2017-03-24

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[13] C
[51] **Int.Cl. A61D 19/02 (2006.01)**
[25] EN
[54] **DEVICE FOR ARTIFICIALLY INSEMINATING A MAMMAL**
[54] **DISPOSITIF D'INSEMINATION ARTIFICIELLE D'UN MAMMIFERE**
[72] AUER, WOLFGANG, AT
[73] SMARTBOW GMBH, AT
[85] 2019-04-10
[86] 2017-10-18 (PCT/AT2017/000072)
[87] (WO2018/071929)
[30] AT (A 480/2016) 2016-10-18

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[13] C
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/27 (2019.01) H04L 9/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INFORMATION PROTECTION**
[54] **SYSTEME ET PROCEDE POUR LA PROTECTION D'INFORMATIONS**
[72] MA, HUANYU, CN
[72] ZHANG, WENBIN, CN
[72] MA, BAOLI, CN
[72] LIU, ZHENG, CN
[72] CUI, JIAHUI, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-04-12
[86] 2018-11-27 (PCT/CN2018/117558)
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[25] EN
[54] **NOVEL RESORCINARENE-BASED AMPHIPATHIC COMPOUND AND USE THEREOF**
[54] **NOUVEAU COMPOSE AMPHIPATHIQUE A BASE DE RESORCINARENES ET SON UTILISATION**
[72] CHAE, PIL SEOK, KR
[72] HUSSAIN, HAZRAT, KR
[73] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR
[85] 2019-04-23
[86] 2017-03-17 (PCT/KR2017/002871)
[87] (WO2018/079951)
[30] KR (10-2016-0141870) 2016-10-28

[11] **3,042,002**
[13] C
[51] **Int.Cl. E21B 33/068 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **BALL DROPPING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE LARGAGE DE BILLE**
[72] SILVA, ZACHARY, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-04-26
[86] 2017-09-28 (PCT/US2017/053992)
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[30] US (15/340,569) 2016-11-01

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[25] EN
[54] **TOPICAL COMPOSITIONS AND METHODS FOR STIMULATING MIR-146A IN SKIN CELLS**
[54] **COMPOSITIONS TOPIQUES ET METHODES DE STIMULATION DE MIR-146A DANS DES CELLULES CUTANEES**
[72] PERNODET, NADINE, US
[72] STAFA, KLODJAN, US
[72] PELLE, EDWARD, US
[72] DONG, KELLY, US
[72] GOYARTS, EARL, US
[72] LAYMAN, DAWN, US
[72] CORALLO, KRYSTLE, US
[73] ELC MANAGEMENT LLC, US
[85] 2019-04-26
[86] 2017-10-26 (PCT/US2017/058483)
[87] (WO2018/089206)
[30] US (62/419,661) 2016-11-09

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[13] C
[51] **Int.Cl. B65D 5/43 (2006.01) B65D 5/38 (2006.01) B65D 6/06 (2006.01) B65D 50/04 (2006.01)**
[25] EN
[54] **CARTON WITH FASTENING STRUCTURE**
[54] **CARTON MUNI D`UNE STRUCTURE DE FIXATION**
[72] PAI, HSUAN-HAO, CN
[73] DONGGUAN TAPUMEI PRINTING CO., LTD., CN
[86] (3043214)
[87] (3043214)
[22] 2019-05-13
[30] CN (201821667304.3) 2018-10-15

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[13] C
[51] **Int.Cl. C25D 3/06 (2006.01) C25D 5/36 (2006.01) C25D 7/06 (2006.01) C25D 17/00 (2006.01)**
[25] EN
[54] **METHOD FOR ELECTROPLATING AN UNCOATED STEEL STRIP WITH A PLATING LAYER**
[54] **PROCEDE D'APPLICATION D'UNE COUCHE DE PLACAGE PAR GALVANOPLASTIE SUR UNE BANDE D'ACIER NON REVETUE**
[72] WIJENBERG, JACQUES HUBERT OLGA JOSEPH, NL
[72] WITTEBROOD, ADRIANUS JACOBUS, NL
[73] TATA STEEL IJMUIDEN B.V., NL
[85] 2019-05-10
[86] 2017-11-08 (PCT/EP2017/078582)
[87] (WO2018/087135)
[30] EP (16198708.6) 2016-11-14

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[51] **Int.Cl. C08K 3/26 (2006.01) B29C 41/00 (2006.01) C08K 5/098 (2006.01) C08K 5/13 (2006.01) C08K 5/3492 (2006.01) C08K 5/526 (2006.01)**
[25] EN
[54] **POLYOLEFIN MATERIALS FOR ROTATIONAL MOLDING APPLICATIONS HAVING IMPROVED IMPACT PROPERTIES AND COLOR STABILITY**
[54] **MATERIAUX POLYOLEFINIQUES DESTINES AUX APPLICATIONS DE MOULAGE PAR ROTATION PRESENTANT DES PROPRIETES AMELIOREES DE RESISTANCE AUX CHOCS ET DE STABILITE DES COULEURS**
[72] HORWATT, STEVEN W., US
[72] ENDERLE, KELLY A., US
[73] EQUISTAR CHEMICALS, LP, US
[85] 2019-05-15
[86] 2017-11-16 (PCT/US2017/062069)
[87] (WO2018/094085)
[30] US (62/424,173) 2016-11-18

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[51] **Int.Cl. F17C 7/04 (2006.01) F02C 3/22 (2006.01) F02C 7/22 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **GAS SUPPLY SYSTEM**
[54] **SYSTEME D'APPROVISIONNEMENT DE GAZ**
[72] KANEI, NAOFUMI, JP
[72] NAGURA, KENJI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[86] (3044317)
[87] (3044317)
[22] 2019-05-24
[30] JP (2018-106142) 2018-06-01

[11] **3,044,373**
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[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/68 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **FORMATION OF MICRO-PROPPANT PARTICULATES IN SITU**
[54] **FORMATION IN SITU DE PARTICULES DE MICRO-AGENT DE SOUTENEMENT**
[72] SALLA, RAJENDER, IN
[72] ELURU, SAIRAM, IN
[72] DESHPRABHU, SUMUKH, IN
[72] NGUYEN, PHILIP D., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-05-17
[86] 2016-12-20 (PCT/US2016/067763)
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[51] **Int.Cl. A61K 8/34 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **WRINKLE AMELIORATING AGENT**
[54] **AGENT D'AMELIORATION DES RIDES**
[72] SAITOH, YUKO, JP
[72] SHISHIDO, MAYUMI, JP
[73] POLA CHEMICAL INDUSTRIES, INC., JP
[85] 2019-05-27
[86] 2017-11-27 (PCT/JP2017/042345)
[87] (WO2018/097277)
[30] JP (2016-230435) 2016-11-28

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[51] **Int.Cl. F16B 47/00 (2006.01)**
[25] EN
[54] **FASTENING DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] BUCHLING, BJORN, DE
[73] RHEINMETALL MAN MILITARY VEHICLES GMBH, DE
[85] 2019-05-28
[86] 2017-12-11 (PCT/EP2017/082275)
[87] (WO2018/114440)
[30] DE (10 2016 125 468.1) 2016-12-22

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[51] **Int.Cl. E21B 33/035 (2006.01) E21B 7/12 (2006.01) E21B 29/12 (2006.01) E21B 33/06 (2006.01) E21B 33/064 (2006.01) E21B 43/01 (2006.01)**
[25] EN
[54] **EXPLOSIVE DISCONNECT**
[54] **DECONNEXION EXPLOSIVE**
[72] GALLAGHER, BOBBY JAMES, US
[72] ANGSTMANN, STEVEN ANTHONY, US
[72] GALLAGHER, BILLY JACK, AU
[73] KINETIC PRESSURE CONTROL LIMITED, US
[85] 2019-05-28
[86] 2017-10-23 (PCT/US2017/057826)
[87] (WO2018/106347)
[30] US (62/431,455) 2016-12-08

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[51] **Int.Cl. A61M 1/16 (2006.01)**
[25] EN
[54] **METHOD OF DETECTING A LEAK IN A HEAT EXCHANGER OF A HEMODIALYSIS DEVICE**
[54] **PROCEDE DE DETECTION D'UNE FUITE DANS UN ECHANGEUR DE CHALEUR D'UN DISPOSITIF D'HEMODIALYSE**
[72] CRNKOVICH, MARTIN, US
[72] LEVIN, ROLAND, US
[72] MCCORMICK, CHRISTOPHER, US
[72] WANG, FEI, US
[72] WANG, AIYUAN, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2019-06-05
[86] 2018-01-19 (PCT/US2018/014495)
[87] (WO2018/136780)
[30] US (15/411,610) 2017-01-20

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[13] C
[51] **Int.Cl. B65D 71/40 (2006.01) B65D 5/468 (2006.01)**
[25] EN
[54] **CARRIER FOR CONTAINERS**
[54] **SUPPORT POUR RECIPIENTS**
[72] GONZALEZ, ANA, ES
[72] FORD, COLIN P., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2019-06-10
[86] 2018-02-14 (PCT/US2018/018117)
[87] (WO2018/152161)
[30] US (62/460,239) 2017-02-17
[30] US (62/465,374) 2017-03-01

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[51] **Int.Cl. E06B 9/13 (2006.01) E05F 15/77 (2015.01) E06B 9/68 (2006.01)**
[25] EN
[54] **DOOR WITH AN INTELLIGENT DOOR LEAF, WHICH HAS AN ELECTRICALLY SELF-SUFFICIENT DOOR LEAF MEANS, AND METHOD THEREFOR**
[54] **PORTAIL AVEC UN VANTAIL DE PORTAIL INTELLIGENT, QUI POSSEDE UN DISPOSITIF DE VANTAIL DE PORTE ELECTRIQUEMENT AUTONOME, ET PROCEDE ASSOCIE**
[72] EICHSTETTER, KARL, DE
[73] EFAFLEX TOR- UND SICHERHEITSSYSTEME GMBH & CO. KG, DE
[85] 2019-06-12
[86] 2018-01-11 (PCT/EP2018/050683)
[87] (WO2018/145852)
[30] DE (10 2017 102 599.5) 2017-02-09

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[51] **Int.Cl. C07D 311/40 (2006.01)**
[25] EN
[54] **NATURAL MOLECULES FROM ARTOCARPUS HIRSUTUS: METHOD OF ISOLATION AND ANTI-ACNE POTENTIAL THEREOF**
[54] **MOLECULES NATURELLES ISSUES DE ARTOCARPUS HIRSUTUS : PROCEDE D'ISOLEMENT ET POTENTIEL ANTI-ACNE ASSOCIE**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] NAYAK, MAHADEVA, IN
[72] ANANTHANARAYANAN, NAGARAJAN, IN
[73] MAJEED, MUHAMMED, US
[73] NAGABHUSHANAM, KALYANAM, US
[73] NAYAK, MAHADEVA, IN
[73] ANANTHANARAYANAN, NAGARAJAN, IN
[85] 2019-06-19
[86] 2016-12-22 (PCT/US2016/068158)
[87] (WO2018/118058)

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[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **HEATING-TYPE FLAVOR INHALER**
[54] **INHALATEUR D'AROME DU TYPE A CHAUFFAGE**
[72] KOMINAMI, TAKASHI, JP
[72] TAGUCHI, HIDENARI, JP
[73] JAPAN TABACCO INC., JP
[85] 2019-06-21
[86] 2016-12-27 (PCT/JP2016/088944)
[87] (WO2018/122978)

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[13] C
[51] **Int.Cl. C02F 11/14 (2019.01) C02F 1/52 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **OIL SAND TAILINGS TREATMENT USING FLOCCULATION AND TREATMENT WITH A COAGULANT AND A SILICATE**
[54] **TRAITEMENT DE RESIDUS DE SABLES BITUMINEUX AU MOYEN DE LA FLOCULATION ET TRAITEMENT AU MOYEN D'UN COAGULANT ET D'UN SILICATE**
[72] SAKUHUNI, GIVEMORE, CA
[72] LIN, CHRISTOPHER, CA
[72] NGO, THUAN T., CA
[72] FORGERON, GREG S., CA
[72] CEBULA, SCOTT, CA
[72] ZAHABI, ATOOSA, CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (3048297)
[87] (3048297)
[22] 2019-07-02

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[13] C
[51] **Int.Cl. E21B 37/00 (2006.01)**
[25] EN
[54] **DRY BLEND PRE-FLUSH AND SPACER PACKAGE AND METHOD FOR MIXING AND INJECTING A PRE-FLUSH AND SPACER ON-THE-FLY TO CLEAN A SUBTERRANEAN WELL**
[54] **ENSEMBLE DE PRERINCAGE ET DE SEPARATEUR DE MELANGE A SEC ET PROCEDE DE MELANGE ET D`INJECTION D`UN PRERINCAGE ET D`UN SEPARATEUR A LA VOLEE POUR NETTOYER UN PUITS SOUTERRAIN**
[72] IREMONGER, SIMON, CA
[72] TAYLOR, JARED, CA
[73] SANJEL ENERGY SERVICES INC., CA
[86] (3048339)
[87] (3048339)
[22] 2019-06-28
[30] US (62/794741) 2019-01-21

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[51] **Int.Cl. A47K 10/44 (2006.01) A47K 10/36 (2006.01) B65H 1/12 (2006.01) B65H 3/54 (2006.01) G07B 3/04 (2006.01)**
[25] EN
[54] **DISPENSER FOR SHEET PRODUCTS AND OPERATING METHOD**
[54] **DISTRIBUTEUR DE PRODUITS EN FEUILLE ET PROCEDE DE FONCTIONNEMENT**
[72] ELFSTROM, BORIS ALLAN, US
[72] ZERWECK, JASON, US
[72] MURPHY, KEVIN, US
[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2019-06-27
[86] 2017-01-09 (PCT/EP2017/050358)
[87] (WO2018/127301)

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[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **ELECTRICAL STIMULATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE STIMULATION ELECTRIQUE**
[72] MONTOYA, MICHAEL, CA
[73] MONTOYA, MICHAEL, CA
[86] (3048792)
[87] (3048792)
[22] 2019-07-08
[30] US (62/821,213) 2019-03-20

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[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENOTYPING BY POLYMERASE BINDING**
[54] **GENOTYPAGE PAR LIAISON PAR POLYMERASE**
[72] DAMBACHER, COREY M., US
[72] VAN NGUYEN, MICHAEL, US
[73] OMNIOME, INC., US
[85] 2019-07-18
[86] 2017-09-11 (PCT/US2017/051025)
[87] (WO2018/136118)
[30] US (62/448,630) 2017-01-20

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[51] **Int.Cl. A24F 40/40 (2020.01) A61M 11/00 (2006.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE**
[72] LIU, TUANFANG, CN
[73] LIU, TUANFANG, CN
[86] (3051300)
[87] (3051300)
[22] 2019-08-07
[30] CN (201910211786.4) 2019-03-20
[30] CN (201920360622.3) 2019-03-20

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[13] C
[51] **Int.Cl. A47K 10/38 (2006.01)**
[25] EN
[54] **PAPER DISPENSER**
[54] **DISTRIBUTEUR DE PAPIER**
[72] TEDESCO, DANIELE SALVATORE, US
[72] BILLMAN, CRAIG, US
[72] DOTSEY, MICHAEL AUSTIN, US
[72] ALLARD, BRYAN FITZGERALD, US
[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2019-07-25
[86] 2018-01-18 (PCT/EP2018/051185)
[87] (WO2018/137992)
[30] US (15/415,908) 2017-01-26

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[51] **Int.Cl. E05B 55/08 (2006.01) E05B 47/00 (2006.01) E05B 65/46 (2017.01)**
[25] EN
[54] **LOCK**
[54] **SERRURE**
[72] ROATIS, CALIN, US
[72] DENISON, WILLIAM, US
[73] TRITEQ LOCK AND SECURITY LLC, US
[86] (3051927)
[87] (3051927)
[22] 2014-05-14
[62] 2,922,400
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[25] EN
[54] **MOVING IMAGE ENCODING DEVICE, MOVING IMAGE DECODING DEVICE, MOVING IMAGE CODING METHOD, AND MOVING IMAGE DECODING METHOD**
[54] **APPAREIL DE CODAGE DE VIDEO ANIMEE, APPAREIL DE DECODAGE DE VIDEO ANIMEE, PROCEDE DE CODAGE DE VIDEO ANIMEE ET PROCEDE DE DECODAGE DE VIDEO ANIMEE**
[72] MINEZAWA, AKIRA, JP
[72] SEKIGUCHI, SHUNICHI, JP
[72] SUGIMOTO, KAZUO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[86] (3052614)
[87] (3052614)
[22] 2011-07-21
[62] 3,000,366
[30] JP (2010-221471) 2010-09-30

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[51] **Int.Cl. G01R 21/133 (2006.01) H02S 99/00 (2014.01) H02J 3/38 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SOLAR GENERATION ESTIMATION**
[54] **ESTIMATION DE LA PRODUCTION D`ENERGIE SOLAIRE**
[72] QUINLAN, MICHAEL, US
[73] S&C ELECTRIC COMPANY, US
[86] (3054142)
[87] (3054142)
[22] 2019-09-04
[30] US (62/743,186) 2018-10-09

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[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/32 (2006.01) C08G 18/44 (2006.01) C08G 64/42 (2006.01)**
[25] EN
[54] **OLIGOMERIC POLYOL COMPOSITIONS**
[54] **COMPOSITIONS DE POLYOL OLIGOMERE**
[72] BLUMSOM, JAMES HENRY, US
[72] TENNANT, ANDREW JOHN, US
[72] CELLA, JAMES A., US
[72] GOLDWASSER, DAVID, US
[72] BRUNELLE, DANIEL J., US
[72] BURKS, STEPHEN, US
[72] HEGGS, RICHARD, US
[73] PRESIDIUM USA, INC., US
[85] 2019-09-10
[86] 2017-05-15 (PCT/US2017/032614)
[87] (WO2018/190891)
[30] US (62/485,000) 2017-04-13
[30] US (15/589,182) 2017-05-08

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[25] EN
[54] **ACID MIXING SYSTEM**
[54] **SYSTEME DE MELANGE D'ACIDE**
[72] GILLESPIE, KEVIN C., US
[72] FORD, ZACHARY PATRICK, US
[72] COHEN FREUE, GUILLERMO J., US
[73] ISOPURE, CORP., US
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023888)
[87] (WO2018/175811)
[30] US (62/474,920) 2017-03-22

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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/90 (2020.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER, AND CONTROL METHOD AND CONTROL PROGRAM OF THE SAME**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL, ET PROCEDE DE CONTROLE ET PROGRAMME DE CONTROLE AFFERENTS**
[72] YAMADA, MANABU, JP
[72] AKAO, TAKESHI, JP
[72] FUJITA, HAJIME, JP
[73] JAPAN TOBACCO, INC., JP
[86] (3060355)
[87] (3060355)
[22] 2019-10-28
[30] JP (2018-204705) 2018-10-31

[11] **3,063,399**
[13] C
[51] **Int.Cl. B25J 9/00 (2006.01) A61H 1/02 (2006.01) B25J 9/16 (2006.01) B25J 13/08 (2006.01) B25J 19/00 (2006.01)**
[25] EN
[54] **VARIABLE FORCE EXOSKELETON HIP JOINT**
[54] **ARTICULATION DE HANCHE D'EXOSQUELETTE A FORCE VARIABLE**
[72] BARNES, GAVIN A., US
[73] LOCKHEED MARTIN CORPORATION, US
[85] 2019-11-12
[86] 2018-05-16 (PCT/US2018/032940)
[87] (WO2018/213427)
[30] US (15/597,213) 2017-05-17

[11] **3,065,824**
[13] C
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTERCEPTING AND ENHANCING SAAS APPLICATION CALLS VIA EMBEDDED BROWSER**
[54] **SYSTEMES ET PROCEDES D'INTERCEPTION ET D'AMELIORATION DES APPELS DE L'APPLICATION SAAS PAR L'INTERMEDIAIRE DU NAVIGATEUR INTEGRE**
[72] BORKAR, VIPIN, US
[72] SAMPATH, SANTOSH, US
[72] SHARMA, DEEPAK, US
[72] SANKARASUBRAMANIAN, ARVIND, US
[73] CITRIX SYSTEMS, INC., US
[85] 2019-12-20
[86] 2019-09-19 (PCT/US2019/051893)
[87] (WO2020/061288)
[30] US (16/138,076) 2018-09-21

[11] **3,068,484**
[13] C
[51] **Int.Cl. G01S 5/00 (2006.01)**
[25] EN
[54] **LPD DESCRIPTOR WORD BASED GEOLOCATION**
[54] **GEOLOCALISATION A BASE DE MOTS DESCRIPTEURS A FAIBLE PROBABILITE DE DETECTION**
[72] GIALLORENZI, THOMAS R., US
[72] ZARUBICA, RADIVOJE, US
[72] NELSON, N. THOMAS, US
[72] HIRZ, PHILIP M., US
[72] NELSON, ANDREW L., US
[73] L3 TECHNOLOGIES, INC., US
[86] (3068484)
[87] (3068484)
[22] 2020-01-17
[30] US (16/252,160) 2019-01-18

[11] **3,068,713**
[13] C
[51] **Int.Cl. H04L 29/14 (2006.01) H04W 4/12 (2009.01) H04W 92/02 (2009.01) E21D 23/12 (2006.01) E21F 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REMOTELY LOCATING COMMUNICATION ERROR SUPPORT FOR HYDRAULIC SUPPORTS**
[54] **SYSTEME ET PROCEDE DE REPERAGE A DISTANCE D'UN SUPPORT D'ERREUR DE COMMUNICATION POUR LES SUPPORTS HYDRAULIQUES**
[72] TAN, CHAO, CN
[72] WANG, ZHONGBIN, CN
[72] ZHOU, HONGYA, CN
[72] SI, LEI, CN
[72] LIU, XINHUA, CN
[72] LU, XULIANG, CN
[72] LI, XIAOYU, CN
[72] LIU, BOWEN, CN
[72] WU, YUE, CN
[72] WU, HONGLIN, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] XUZHOU GOLDFLUID HYDRAULIC TECHNOLOGY DEVELOPMENT CO., LTD., CN
[85] 2020-01-17
[86] 2019-06-18 (PCT/CN2019/091632)
[87] (WO2020/147260)
[30] CN (201900478270) 2019-01-18

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[51] **Int.Cl. C03C 3/089 (2006.01) C03C 13/06 (2006.01)**
[25] FR
[54] **MINERAL FIBRES**
[54] **FIBRES MINERALES**
[72] CLAIREAUX, CORINNE, FR
[72] BERNARD, JEAN-LUC, FR
[73] SAINT-GOBAIN ISOVER, FR
[85] 2020-01-13
[86] 2018-07-24 (PCT/FR2018/051890)
[87] (WO2019/020925)
[30] FR (1757027) 2017-07-25

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[13] C
[51] **Int.Cl. C08G 77/44 (2006.01) C08K 3/22 (2006.01) C08L 83/10 (2006.01)**
[25] EN
[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[73] THE BOEING COMPANY, US
[86] (3069912)
[87] (3069912)
[22] 2015-07-02
[62] 3,050,429
[30] US (14/329,885) 2014-07-11

[11] **3,070,247**
[13] C
[51] **Int.Cl. A61F 13/42 (2006.01)**
[25] EN
[54] **INCONTINENCE CARE SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME DE SOINS POUR L'INCONTINENCE ET SON PROCEDE**
[72] MCDERMOTT, JIM, CA
[73] CARE CHANGER INC., CA
[85] 2020-01-17
[86] 2018-09-18 (PCT/CA2018/051164)
[87] (WO2019/056096)
[30] US (62/560,390) 2017-09-19

[11] **3,071,288**
[13] C
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **FIRMWARE INTEGRITY CHECK USING SILVER MEASUREMENTS**
[54] **CONTROLE D'INTEGRITE D'UN MICROLOGICIEL A L'AIDE DE MESURES « ARGENT »**
[72] KHORUZHENKO, EUGENE, US
[73] ABSOLUTE SOFTWARE CORPORATION, CA
[85] 2020-01-28
[86] 2018-04-10 (PCT/CA2018/050443)
[87] (WO2019/036795)
[30] US (62/548,815) 2017-08-22

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[13] A1
[51] **Int.Cl. F24D 13/02 (2006.01) E04B 5/48 (2006.01) E04F 15/18 (2006.01) F16L 3/00 (2006.01) H02G 3/36 (2006.01) H05B 3/56 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR POSITIONING HEATING ELEMENTS**
[54] **PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS**
[72] LARSON, DAVID D., US
[73] PROGRESS PROFILES SPA, IT
[73] LARSON, DAVID D.,
[86] (3073535)
[87] (3073535)
[22] 2015-08-18
[62] 3,061,778
[30] US (62/038,733) 2014-08-18

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[13] C
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01) C08F 4/6592 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **DUAL CATALYST SYSTEM FOR PRODUCING LLDPE COPOLYMERS WITH IMPROVED PROCESSABILITY**
[54] **SYSTEME CATALYSEUR DOUBLE POUR LA PRODUCTION DE COPOLYMERES DE LLDPE PRESENTANT UNE APTITUDE AU TRAITEMENT AMELIOREE**
[72] DING, ERRUN, US
[72] TSO, CHUNG CHING, US
[72] MUNINGER, RANDALL, US
[72] YANG, QING, US
[72] YU, YOULU, US
[72] INN, YONGWOO, US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2020-03-11
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[54] **SYSTEM FOR PAINTING AND COATING OF SUBSTRATES**
[54] **SYSTEME DE PEINTURE ET DE REVETEMENT DE SUBSTRATS**
[72] STEWART, DAMON C., CA
[72] HANSEN, DEAN S., CA
[73] PARAGON FUSIONCLAD(PPC) LTD., CA
[86] (3078026)
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[54] **LIGHT EMISSION REDUCING COMPOUNDS FOR ELECTRONIC DEVICES**
[54] **COMPOSES DE REDUCTION D'EMISSION DE LUMIERE POUR DISPOSITIFS ELECTRONIQUES**
[72] BARRETT, JUSTIN, US
[72] MOE, STEVEN, US
[72] SIMMONS, BONNIE, US
[72] TOLLE, JUSTIN, US
[72] HARRIS, DEREK, US
[73] EYESAFE, LLC, US
[85] 2020-05-05
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[54] **DEVICE FOR ENDOVASCULAR AORTIC REPAIR AND METHOD OF USING THE SAME**
[54] **DISPOSITIF POUR UNE REPARATION AORTIQUE ENDOVASCULAIRE ET PROCEDE D'UTILISATION DU DISPOSITIF**
[72] SHAHRIARI, ALI, US
[73] AORTIC INNOVATIONS LLC, US
[86] (3082787)
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[54] **PACKAGED TERMINAL AIR CONDITIONER SYSTEM AND SLEEVE THEREFOR**
[54] **SYSTEME DE CONDITIONNEMENT D'AIR FINISSEUR AUTONOME ET MANCHON POUR CELUI-CI**
[72] GORMAN, CHRISTOPHER ALLEN, US
[73] CHAMPION TRUST LLC, US
[86] (3084737)
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[54] **LOAD CARRIER FOOT**
[54] **PIED PORTEUR DE CHARGE**
[72] ANDERSSON, STEFAN, SE
[72] LARSSON, FREDRIK, SE
[73] THULE SWEDEN AB, SE
[85] 2020-06-18
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[54] **COMPOSITION FOR OIL AND GAS RECOVERY**
[54] **COMPOSITION POUR RECUPERER L'HUILE ET LE GAZ**
[72] FAVERO, CEDRICK, FR
[73] S.P.C.M. SA, FR
[86] (3087003)
[87] (3087003)
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[25] EN
[54] **BLOCKCHAIN-BASED DATA PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE DONNEES FONDES SUR UNE CHAINE DE BLOCS**
[72] WANG, JIYUAN, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2020-06-29
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[25] EN
[54] **MODULAR LIGHT AND ACCESSORY BAR FOR VEHICLES**
[54] **BARRE MODULAIRE DE LUMIERE ET D'ACCESSOIRE POUR VEHICULES**
[72] VAN BUREN, CHRISTOPHER D., US
[72] BENNETT, PATRICK W., US
[72] RUSSELL, ERIC, US
[73] OMIX-ADA, INC., US
[86] (3087377)
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[25] EN
[54] **SYSTEMS AND METHODS FOR RENDERING & PRE-ENCODED LOAD ESTIMATION BASED ENCODER HINTING**
[54] **SYSTEMES ET PROCEDES DE RENDU ET D'OPTIMISATION D'UN CODEUR BASEE SUR UNE ESTIMATION DE CHARGE PRE-CODEE**
[72] KOPIETZ, MICHAEL, DE
[73] ZENIMAX MEDIA INC., US
[86] (3087809)
[87] (3087809)
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[25] EN
[54] **MASS DAMPER AND CUTTING TOOL**
[54] **AMORTISSEUR DE VIBRATIONS ET OUTIL DE COUPE**
[72] FU, QILIN, SE
[72] NICOLESCU, CORNEL-MIHAI, SE
[72] RASHID, AMIR, SE
[73] MAQ AB, SE
[85] 2020-07-22
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[25] EN
[54] **METHOD AND SYSTEM PROVIDING FEEDER FAULT RESPONSE**
[54] **PROCEDE ET SYSTEME DE FOURNITURE DE REPONSE A UNE DEFAILLANCE D'ALIMENTATION**
[72] SHARON, YOAV, US
[73] S&C ELECTRIC COMPANY, US
[85] 2020-07-24
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[25] EN
[54] **IMAGE PROCESSING DEVICE, FLIGHT VEHICLE, AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE, AERONEF, ET PROGRAMME**
[72] TAJIKA, AKIHIKO, JP
[73] SOFTBANK CORP., JP
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[54] **TETE DE BROSSE A DENTS POUVANT ETRE ATTACHEE ET DETACHEE**
[72] BEAUDIN, GHISLAINE, CA
[71] BEAUDIN, GHISLAINE, CA
[22] 2019-08-23
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[51] **Int.Cl. B65B 1/04 (2006.01) B65B 1/30 (2006.01) B65B 7/28 (2006.01)**
[25] FR
[54] **TEACHING SIMULATOR FOR FILLING AND CLOSING POTS**
[54] **SIMULATEUR DIDACTIQUE POUR REMPLISSAGE ET FERMETURE DE POTS**
[72] KADIMA-NZUJI, ALOIS, CA
[71] KADIMA-NZUJI, ALOIS, CA
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[25] EN
[54] **EMERGENCY VEHICLE SAFETY BAR WITH DEPLOYABLE SWING ARM**
[54] **BARRE DE SECURITE DE VEHICULE D'URGENCE COMPORTANT UN BRAS OSCILLANT DEPLOYABLE**
[72] PATON, GARRY, CA
[71] SAFER ZONE LTD., CA
[22] 2019-08-21
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[25] EN
[54] **REUSABLE BIN LINER**
[54] **CHEMISE DE POUBELLE REUTILISABLE**
[72] TINKER, STEPHANIE, CA
[71] TINKER, STEPHANIE, CA
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[25] EN
[54] **THERMAL SOLVENT GRAVITY DRAINAGE PROCESS WITH OPERATING STRATEGIES**
[54] **PROCEDE DE DRAINAGE DE SOLVANT THERMIQUE PAR GRAVITE ET STRATEGIES D'EXPLOITATION**
[72] SMITH, JENNIFER, CA
[72] RUPERT, KRISTOPHER, CA
[72] IBATULLIN, TAIR, CA
[72] GLOVER, ROBERT, CA
[72] ZAKARIASEN, RONALD, CA
[71] SUNCOR ENERGY INC., CA
[22] 2019-08-23
[41] 2021-02-23

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[51] **Int.Cl. A61B 10/04 (2006.01) A61B 34/30 (2016.01) A61B 17/94 (2006.01)**
[25] EN
[54] **MULTIDIRECTIONAL DEVICE FOR PERCUTANEOUS PROCEDURES**
[54] **DISPOSITIF MULTIDIRECTIONNEL POUR LES PROCEDURES PERCUTANEES**
[72] MORTAZAVI MOGHADAM, BEHNOUSH, CA
[72] RAHIMIFAR, ARMAN, CA
[71] MORTAZAVI MOGHADAM, BEHNOUSH, CA
[71] RAHIMIFAR, ARMAN, CA
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[25] EN
[54] **COMPOSITION AND METHOD FOR FORMING A COMPOSITION FOR INCREASING DERMAL NITRIC OXIDE**
[54] **COMPOSITION ET PROCEDE DE PREPARATION D'UNE COMPOSITION POUR ACCROITRE L'OXYDE NITRIQUE DERMIQUE**
[72] CHOUSKY, CARY, CA
[71] SPINAL RELIEF CONTRES OF CANADA INC., CA
[22] 2019-08-23
[41] 2021-02-23

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[51] **Int.Cl. G01D 9/00 (2006.01) G01B 3/00 (2006.01) G02B 27/01 (2006.01) G07C 3/14 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRODUCING TRACEABLE MEASUREMENTS**
[54] **METHODES ET SYSTEMES POUR PRODUIRE DES MESURES TRACABLES**
[72] DOYON, LOUIS-JEROME, CA
[72] SOUCY, MARC, CA
[71] INNOVMETRIC LOGICIELS INC., CA
[22] 2019-08-22
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[51] **Int.Cl. G07C 15/00 (2006.01) A63F 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISPENSING FUNDS IN A LOTTERY**
[54] **METHODE ET APPAREIL POUR DISTRIBUER DES FONDS DANS UNE LOTERIE**
[72] BETTCHER, NANCY, CA
[72] BRICKWOOD, MICHAEL J., CA
[72] ROSCHUK, RICHARD B. J., CA
[72] WAREHAM, DARREN M., CA
[72] WOJTOWICZ, ANDREW J., CA
[71] POLLARD BANKNOTE LIMITED, CA
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[51] **Int.Cl. G09B 19/00 (2006.01) B64D 45/00 (2006.01) G09B 29/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING MILITARY TRAINING ROUTES**
[54] **METHODE ET SYSTEME DE TRAITEMENT DE ROUTES D'ENTRAINEMENT MILITAIRE**
[72] GOSS, LINNEA, US
[72] ROOT, TRAVIS SCOTT CLAYTON, US
[71] FOREFLIGHT LLC, US
[22] 2019-08-26
[41] 2021-02-23
[30] US (16/550,142) 2019-08-23

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[51] **Int.Cl. D06F 57/00 (2006.01) A47G 25/00 (2006.01) A63B 71/00 (2006.01) D06F 59/00 (2006.01)**
[25] EN
[54] **DRYING AND STORAGE APPARATUS FOR AN ATHLETE'S WRAP**
[54] **APPAREIL DE RANGEMENT ET DE SECHAGE DE BANDES POUR ATHLETE**
[72] UNKNOWN, XX
[71] CRANE, STEVEN, CA
[22] 2019-08-26
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[21] **3,053,044**
[13] A1
[51] **Int.Cl. H02J 3/06 (2006.01) H01H 9/26 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **BI-STABLE TRANSFER SWITCH**
[54] **INVERSEUR BISTABLE**
[72] MANNESS, DOUGLAS, CA
[72] POPOVE, ROBERT, CA
[72] WAHLGREN, DANIEL, CA
[71] ALPHA TECHNOLOGIES LTD., CA
[22] 2019-08-26
[41] 2021-02-26

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[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 50/16 (2012.01)**
[25] FR
[54] **REAL ESTATE PROJECT ANALYSIS**
[54] **ANALYSE D'UN PROJET IMMOBILIER**
[72] DEMERS, VINCENT V. D., CA
[71] DEMERS, VINCENT V. D., CA
[22] 2019-08-26
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[51] **Int.Cl. F16F 15/023 (2006.01) F03D 13/20 (2016.01) E04B 1/98 (2006.01) E04H 9/14 (2006.01) E04H 12/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF DAMPING VIBRATIONS OF TOWER STRUCTURES**
[54] **SYSTEME ET METHODE D'AMORTISSEMENT DES VIBRATIONS DE STRUCTURES DE TOURS**
[72] WAHBA, JOHN M. F., CA
[71] TURRIS CORP., CA
[22] 2019-08-26
[41] 2021-02-26

[21] **3,053,065**
[13] A1
[51] **Int.Cl. A63H 33/10 (2006.01)**
[25] EN
[54] **OCTET TRUSS TOY CONSTRUCTION SYSTEM**
[54] **SYSTEME DE CONSTRUCTION OCTAEDRIQUE A TITRE DE JOUET**
[72] CARPENTER, ROBERT CHARLES, CA
[72] UNKNOWN, XX
[71] CARPENTER, ROBERT CHARLES, CA
[22] 2019-08-22
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[21] **3,053,188**
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[51] **Int.Cl. G09B 5/06 (2006.01) G16H 40/20 (2018.01) G09B 19/24 (2006.01) G06K 9/18 (2006.01)**
[25] EN
[54] **SMART OR**
[54] **SALLE D'OPERATION INTELLIGENTE**
[72] UNKNOWN, XX
[71] ADLOUNI, BASSAM B. A., CA
[22] 2019-08-27
[41] 2021-02-27

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[51] **Int.Cl. E04D 13/16 (2006.01)**
[25] FR
[54] **THERMALLY INSULATED ROOFING DEVICE**
[54] **DISPOSITIF DE TOITURE ISOLEE THERMIQUEMENT**
[72] BINDSCHEDLER, PIERRE-ETIENNE, FR
[72] BOUCHER, JEREMIE, FR
[72] PERRIN, REMI, FR
[71] SOPREMA, FR
[22] 2019-08-26
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[25] EN
[54] **DEVICE AND METHOD FOR MEASURING A LOAD APPLIED BY AN ELONGATE MEMBER**
[54] **DISPOSITIF ET METHODE DE MESURE D'UNE CHARGE APPLIQUEE PAR UN ELEMENT ALLONGE**
[72] HAHTO, PAUL ANDREW, CA
[72] KEARNEY, ALEXANDER DONALD, CA
[71] BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, CA
[22] 2019-08-26
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[51] **Int.Cl. A47D 15/00 (2006.01) A47D 5/00 (2006.01)**
[25] EN
[54] **SAFETY HARNESS FOR BABIES**
[54] **HARNAIS DE SECURITE POUR BEBE**
[72] VARGAS, MARIA, CA
[72] VARGAS, CA
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[25] EN
[54] **METHOD AND SYSTEM FOR THE PRODUCTION OF MANUFACTURED WOOD**
[54] **METHODE ET SYSTEME DE PRODUCTION DE BOIS MANUFACTURE**
[72] MILLER, JERRY, CA
[72] MILLER, OWEN, CA
[71] DEADWOOD INNOVATIONS LIMITED, CA
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[51] **Int.Cl. C09D 5/24 (2006.01) C04B 41/45 (2006.01) C09D 1/00 (2006.01) G08B 5/36 (2006.01) G08C 17/02 (2006.01) H01B 1/18 (2006.01) H03K 17/96 (2006.01)**
[25] FR
[54] **ELECTROCONDUCTIVE COMPOSITION FOR DECORATIVE UNDERCOAT OR CONSTRUCTION MATERIAL, SUCH AS A COATING OR MORTAR**
[54] **COMPOSITION ELECTRO-CONDUCTIVE POUR MATERIAU DE SOUS-COUCHE DE DECORATION OU DE CONSTRUCTION, TEL QU'UN ENDUIT OU UN MORTIER**
[72] BARDOU, MARGAUX, FR
[71] BARDOU, MARGAUX, FR
[22] 2019-09-20
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[25] EN
[54] **WINCH SPOOLING GUIDE BAR**
[54] **BARRE DE GUIDAGE D'ENROULEMENT DES CABLES SUR LE TAMBOUR DES TREUILS**
[72] BAILEY, ROBERT, CA
[71] BAILEY, ROBERT, CA
[22] 2019-10-09
[41] 2021-02-21
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[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/44 (2006.01)**
[25] EN
[54] **A MOP HEAD**
[54] **TETE DE VADROUILLE**
[72] YOUNG, RONALD ALEXANDER SCOT, GB
[71] SCOT YOUNG RESEARCH LIMITED, GB
[22] 2019-10-10
[41] 2021-02-23
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[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/255 (2006.01)**
[25] EN
[54] **MOP HEAD AND A METHOD OF MAKING THE SAME**
[54] **TETE DE VADROUILLE ET PROCEDE DE FABRICATION**
[72] YOUNG, RONALD ALEXANDER SCOT, GB
[71] SCOT YOUNG RESEARCH LIMITED, GB
[22] 2019-10-10
[41] 2021-02-23
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[51] **Int.Cl. E03C 1/12 (2006.01) E03C 1/22 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONNECTING A TUB DRAIN TO THE MAIN PLUMBING OF A STRUCTUE**
[54] **METHODE ET APPAREIL POUR RACCORDER UN DRAIN DE BAIN A LA PLOMBERIE PRINCIPALE D'UNE STRUCTURE**
[72] YU, XINKUN, CN
[71] UNI-MOULDING INC,, US
[22] 2019-11-04
[41] 2021-02-21
[30] US (62/889,843) 2019-08-21

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[13] A1
[51] **Int.Cl. G01S 17/95 (2006.01) G01N 15/02 (2006.01) G01N 21/47 (2006.01)**
[25] EN
[54] **CHARACTERIZATION OF A CLOUD ATMOSPHERE USING LIGHT BACKSCATTERED AT TWO ANGLES**
[54] **CARACTERISATION D'UNE ATMOSPHERE DE NUAGES AU MOYEN DE LUMIERE RETRODIFFUSEE SELON DEUX ANGLES**
[72] RAY, MARK, US
[72] ALEXANDER, JENNIFER M., US
[72] ANDERSON, KAARE JOSEF, US
[72] JACKSON, DARREN G., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-11-26
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[25] EN
[54] **APPARATUS FOR ARC WELDING AND METHOD OF USING THE SAME**
[54] **APPAREIL DE SOUDAGE A L'ARC ET METHODE D'UTILISATION**
[72] CP, NAGABHUSHAN, IN
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-06
[41] 2021-02-21
[30] IN (201911033678) 2019-08-21

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[51] **Int.Cl. H04N 1/41 (2006.01) G06T 9/00 (2006.01) H04N 5/262 (2006.01)**
[25] EN
[54] **SECURE IMAGE TRANSMISSION**
[54] **TRANSMISSION D'IMAGE SECURISEE**
[72] GRAHAM, JASON, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-10
[41] 2021-02-27
[30] US (16/551,941) 2019-08-27

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[51] **Int.Cl. B64D 11/06 (2006.01) A47C 1/121 (2006.01) A47C 9/06 (2006.01)**
[25] EN
[54] **CONFIGURABLE CABIN ATTENDANT SEAT**
[54] **SIEGE CONFIGURABLE DE MEMBRE DE L'EQUIPAGE DE CABINE**
[72] DOWTY, MARK B., US
[72] BRATLAND, J. C. MATTHEW, US
[71] B/E AEROSPACE, INC., US
[22] 2019-12-13
[41] 2021-02-26
[30] US (16/551,403) 2019-08-26

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[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/00 (2006.01) A61K 9/48 (2006.01) A61K 9/70 (2006.01) A61K 31/05 (2006.01) A61K 36/185 (2006.01) A61K 47/24 (2006.01)**
[25] EN
[54] **COMPOSITION WITH ENHANCED PASSENGER MOLECULE LOADING AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **COMPOSITION COMPORTANT UNE MEILLEURE CAPACITE DE CHARGE DE MOLECULE PASSAGERE ET METHODES DE FABRICATION ET D'UTILISATION**
[72] REYNOLDS, JEFFREY S., US
[71] NUVESSL, INC., CA
[22] 2020-02-05
[41] 2021-02-23
[30] US (62/890,940) 2019-08-23
[30] US (16/705,468) 2019-12-06
[30] US (16/705,523) 2019-12-06
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[13] A1
[51] **Int.Cl. B66F 9/065 (2006.01) B66F 5/04 (2006.01)**
[25] EN
[54] **A RACK LIFTER SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE LEVAGE D'ETAGERE**
[72] ENGLISH, JAMES DAVID, CA
[71] ENGLISH LOGISTICS INC., CA
[22] 2020-02-13
[41] 2021-02-23
[30] US (62/890,791) 2019-08-23

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[13] A1
[51] **Int.Cl. B66C 21/00 (2006.01) B66C 3/16 (2006.01) B66C 11/16 (2006.01) B66C 13/14 (2006.01)**
[25] EN
[54] **GRAPPLE CARRIAGE**
[54] **SUPPORT DE GRAPPIN**
[72] YBARRA, PATRICK, US
[71] YBARRA, PATRICK, US
[22] 2020-02-18
[41] 2021-02-21
[30] US (16/547,135) 2019-08-21

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[21] **3,073,373**
[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COORDINATED SERVICE PLACEMENT IN MULTIPLE CLOUDS**
[54] **METHODE ET SYSTEME DE COORDINATION DES COMPOSANTS DE SERVICE DANS MULTIPLES NUAGES**
[72] CLOW, BRIAN A., CA
[72] JAMENSKY, MARK I., CA
[71] EMBOTICS CORPORATION, CA
[22] 2020-02-23
[41] 2021-02-26
[30] CA (3,053,034) 2019-08-26
[30] US (16/550,835) 2019-08-26

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[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **DISTRIBUTED MULTICLOUD SERVICE PLACEMENT ENGINE AND METHOD THEREFOR**
[54] **MOTEUR DE DEPOT DE SERVICE REPARTI MULTINUAGE ET METHODE CONNEXE**
[72] CLOW, BRIAN A., CA
[72] JAMENSKY, MARK I., CA
[71] EMBOTICS CORPORATION, CA
[22] 2020-02-23
[41] 2021-02-26
[30] CA (3,053,034) 2019-08-26
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[21] **3,080,422**
[13] A1
[51] **Int.Cl. G01S 17/08 (2006.01)**
[25] EN
[54] **AUTOMATIC ELECTRONIC RANGEFINDER**
[54] **TELEMETRE ELECTRONIQUE AUTOMATIQUE**
[72] LAI, YIN-WU, TW
[71] TOP MEASURE INSTRUMENT COMPANY, TW
[22] 2020-05-07
[41] 2021-02-27
[30] TW (108211383) 2019-08-27

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[13] A1
[51] **Int.Cl. A45C 3/00 (2006.01) A45C 11/00 (2006.01) B25H 3/00 (2006.01)**
[25] EN
[54] **STORAGE BAG WITH ENHANCED INTERIOR VISIBILITY**
[54] **SAC DE RANGEMENT A VISIBILITE INTERIEURE AMELIOREE**
[72] PANOSIAN, MICHAEL H., US
[72] KEELER, JOSHUA, US
[71] TOUGHBUILT INDUSTRIES, INC., US
[22] 2020-06-04
[41] 2021-02-22
[30] US (62/890,420) 2019-08-22
[30] US (16/669,056) 2019-10-30

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[13] A1
[51] **Int.Cl. G09F 5/00 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **CUT-CASE WITH ENHANCED DISPLAY OF PRODUCT INFORMATION**
[54] **DECOUPAGE A PRESENTATION AMELIOREE DES RENSEIGNEMENTS DU PRODUIT**
[72] PANOSIAN, MICHAEL H., US
[72] KEELER, JOSHUA, US
[71] TOUGHBUILT INDUSTRIES, INC., US
[22] 2020-06-04
[41] 2021-02-22
[30] US (62/890,299) 2019-08-22
[30] US (16/669,010) 2019-10-30

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[51] **Int.Cl. F25B 43/00 (2006.01) B64D 13/08 (2006.01)**
[25] EN
[54] **VAPOR CYCLE MACHINE AVAILABILITY FOR HIGH IMPACT APPLICATIONS**
[54] **DISPONIBILITE DE MACHINE A CYCLE VAPEUR AUX FINS D'APPLICATIONS A IMPACT ELEVE**
[72] TRENT, MICHAEL L., US
[72] BROWN, ZACHARY G., US
[72] MEGCHIANI, CHETAN B., US
[71] THE BOEING COMPANY, US
[22] 2020-06-05
[41] 2021-02-21
[30] US (16/547258) 2019-08-21

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[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/02 (2006.01) F02C 3/04 (2006.01) F04D 29/30 (2006.01)**
[25] EN
[54] **IMPELLER WITH CHORDWISE VANE THICKNESS VARIATION**
[54] **TURBINE A VARIATION D'EPAISSEUR D'AUBE DANS LE SENS DE LA CORDE**
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-06-03
[41] 2021-02-21
[30] US (16/546,781) 2019-08-21

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[13] A1
[51] **Int.Cl. B05D 1/38 (2006.01)**
[25] EN
[54] **CO-CURABLE FILM LAYER APPLICATION**
[54] **APPLICATION DE PELLICULE A COTRAITEMENT**
[72] BREI, MARK R., US
[72] RILEY, TERRELL D., US
[72] GORDON, KEVIN D., US
[72] NIX, MEREDITH P., US
[71] THE BOEING COMPANY, US
[22] 2020-06-08
[41] 2021-02-26
[30] US (16/551374) 2019-08-26

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[13] A1
[51] **Int.Cl. B64F 5/00 (2017.01) B64C 11/14 (2006.01) B64D 33/00 (2006.01) F16F 15/20 (2006.01)**
[25] EN
[54] **FAN NOSE CONE AND DYNAMIC TUNING OF AIRCRAFTS**
[54] **POINTE AVANT DE SOUFFLANTE ET MISE AU POINT DYNAMIQUE D'AERONEFS**
[72] THOMASSIN, JEAN, CA
[72] RAYKOWSKI, LENA, CA
[72] BEGIN, GILLES, CA
[72] ABDELRAHMAN, AHMED, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-06-11
[41] 2021-02-27
[30] US (62/892,156) 2019-08-27
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[51] **Int.Cl. B65D 1/00 (2006.01) A47G 19/32 (2006.01) A47J 47/02 (2006.01) B65D 85/72 (2006.01)**
[25] EN
[54] **CONTAINER WITH A COVER SNAPPED TO A BASE**
[54] **CONTENANT DONT LE COUVERCLE EST CLIPSE A UNE BASE**
[72] WANG, JACKY, CN
[72] WU, SSU-WEI, CN
[71] RELOCKS CO,. LTD., CN
[22] 2020-07-08
[41] 2021-02-23
[30] TW (108211274) 2019-08-23

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[13] A1
[51] **Int.Cl. H04N 21/2343 (2011.01) H04H 60/33 (2009.01) H04N 21/258 (2011.01) H04N 21/40 (2011.01) H04N 21/472 (2011.01) H04N 21/63 (2011.01) H04N 21/8545 (2011.01)**
[25] EN
[54] **CLOUD-BASED IMAGE RENDERING FOR VIDEO STREAM ENRICHMENT**
[54] **RENDU D'IMAGE INFONUAGIQUE POUR L'ENRICHISSEMENT D'UNE DIFFUSION VIDEO**
[72] BINDER, EVAN A., US
[72] MARTIN, MARC JUNYENT, ES
[72] PUJOL, JORDI BADIA, ES
[72] SWERDLOW, AVNER, US
[72] FARRE GUIU, MIQUEL ANGEL, CH
[71] DISNEY ENTERPRISES, INC., US
[22] 2020-07-09
[41] 2021-02-26
[30] US (16/551,467) 2019-08-26

[21] **3,087,942**
[13] A1
[51] **Int.Cl. A01C 5/08 (2006.01) A01C 5/06 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SELECTIVE FERTILIZER PLACEMENT**
[54] **SYSTEMES ET METHODES POUR LA DISTRIBUTION SELECTIVE D'ENGRAIS**
[72] GARNER, ELIJAH B., US
[72] SIGNER, TODD N., US
[72] HUBNER, CARY S., US
[72] WONDERLICH, GRANT J., US
[72] HERRMANN, KENNETH E., US
[71] DEERE & COMPANY, US
[22] 2020-07-24
[41] 2021-02-26
[30] US (16/551,291) 2019-08-26

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[13] A1
[51] **Int.Cl. B21D 1/02 (2006.01)**
[25] EN
[54] **PROFILE STRAIGHTENING APPARATUS FOR A PROFILING SYSTEM**
[54] **APPAREIL DE REDRESSEMENT DE REPRODUCTION POUR UN SYSTEME DE REPRODUCTION**
[72] TRAUB, TILMAN, DE
[71] DREISTERN GMBH & CO. KG, DE
[22] 2020-07-24
[41] 2021-02-22
[30] EP (19193157.5) 2019-08-22

[21] **3,088,295**
[13] A1
[51] **Int.Cl. C08L 61/34 (2006.01) C03C 27/10 (2006.01) C08J 3/24 (2006.01) C08K 5/3445 (2006.01) C08K 5/3462 (2006.01)**
[25] EN
[54] **UREA-GLYOXAL CROSSLINKING COMPOUNDS FOR PHENOLIC BINDER COMPOSITIONS**
[54] **COMPOSES DE LIAISON TRANSVERSALE UREE-ETHANEDIAL POUR DES COMPOSITIONS DE LIANTS PHENOLIQUES**
[72] ALAVI, KIARASH, US
[72] NATU, AMEYA, US
[71] JOHNS MANVILLE, US
[22] 2020-07-27
[41] 2021-02-21
[30] US (16/546,448) 2019-08-21

[21] **3,088,324**
[13] A1
[51] **Int.Cl. A47J 17/02 (2006.01)**
[25] EN
[54] **COMBINED VEGETABLE AND FRUIT PEELER**
[54] **EPLUCHEUR A LEGUMES ET A FRUITS COMBINE**
[72] BYEON, DONGJIN, US
[72] DE PAUW, FREDERICK M.N., US
[72] DE BEER, NATHALIE, US
[71] DART INDUSTRIES INC., US
[22] 2020-07-29
[41] 2021-02-26
[30] US (16/550,387) 2019-08-26

[21] **3,088,337**
[13] A1
[51] **Int.Cl. A47J 43/044 (2006.01) A47J 43/08 (2006.01)**
[25] EN
[54] **DUAL SPEED MANUAL STAND MIXER**
[54] **BATTEUR SUR SOCLE MANUEL A DEUX VITESSES**
[72] EIKELENBERG, RALPH F. E., US
[72] KEYMEULEN, ANTOON, US
[72] BYEON, DONGJIN, US
[71] DART INDUSTRIES INC., US
[22] 2020-07-29
[41] 2021-02-27
[30] US (16/552,068) 2019-08-27

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[13] A1
[51] **Int.Cl. B23D 47/02 (2006.01) B23D 45/00 (2006.01)**
[25] EN
[54] **SAMPLE CUTTER**
[54] **COUTEAU A ECHANTILLONS**
[72] SCHASER, MATTHEW, US
[71] SCHASER, MATTHEW, US
[22] 2020-07-29
[41] 2021-02-21
[30] US (16/546,939) 2019-08-21

[21] **3,088,953**
[13] A1
[51] **Int.Cl. C07C 69/704 (2006.01) C02F 5/10 (2006.01) C11D 3/20 (2006.01) C11D 7/26 (2006.01)**
[25] EN
[54] **HYDROXY CARBOXYLIC ACID ESTERS, MANUFACTURING PROCESS THEREOF AND USE THEREOF**
[54] **ESTERS D'ACIDE HYDROXY-CARBOXYLIQUE, PROCEDE DE FABRICATION ET UTILISATION**
[72] MORSCHHAUSER, ROMAN, DE
[72] KCHIRID, SAID, DE
[72] PREUSCHEN, JUDITH, DE
[72] KUHSE, BO, DE
[71] WEYLCHEM PERFORMANCE PRODUCTS GMBH, DE
[22] 2020-08-04
[41] 2021-02-24
[30] DE (10 2019 005 969.7) 2019-08-24

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[13] A1
[51] **Int.Cl. H04W 4/021 (2018.01) H04W 4/029 (2018.01) H04W 4/38 (2018.01) G08G 1/0965 (2006.01)**
[25] EN
[54] **SERVICE STATION FOR AN INTELLIGENT TRANSPORATION SYSTEM**
[54] **STATION D'INFORMATION POUR SYSTEME DE TRANSPORT INTELLIGENT**
[72] TIJINK, JASJA, AT
[72] SMELY, DIETER, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2020-08-05
[41] 2021-02-22
[30] EP (19192996.7) 2019-08-22

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[13] A1
[51] **Int.Cl. H04W 4/021 (2018.01) H04W 4/029 (2018.01) G08G 1/0965 (2006.01)**
[25] EN
[54] **SERVICE STATION FOR AN INTELLIGENT TRANSPORTATION SYSTEM**
[54] **STATION D'INFORMATION POUR SYSTEME DE TRANSPORT INTELLIGENT**
[72] TIJINK, JASJA, AT
[72] SMELY, DIETER, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2020-08-05
[41] 2021-02-22
[30] EP (19192992.6) 2019-08-22

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[13] A1
[51] **Int.Cl. H04W 52/00 (2009.01) H04W 4/14 (2009.01) H04W 4/029 (2018.01) H04W 4/40 (2018.01)**
[25] EN
[54] **ITS STATION FOR A VULNERABLE ROAD USER**
[54] **STATION DE SYSTEME DE TRANSPORT INTELLIGENT POUR UTILISATEUR DE LA ROUTE VULNERABLE**
[72] TIJINK, JASJA, AT
[72] SMELY, DIETER, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2020-08-06
[41] 2021-02-22
[30] EP (19192998.3) 2019-08-22

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[13] A1
[51] **Int.Cl. B65D 81/24 (2006.01) B65D 30/04 (2006.01) B65D 30/08 (2006.01)**
[25] EN
[54] **MOLD INHIBITOR BAG**
[54] **SAC FREINANT LA FORMATION DE MOISISSURE**
[72] GABRIEL, MICHAEL J., US
[71] PURINA ANIMAL NUTRITION LLC, US
[22] 2020-08-07
[41] 2021-02-26
[30] US (62/891,693) 2019-08-26

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[13] A1
[51] **Int.Cl. F23N 3/00 (2006.01) F23L 17/16 (2006.01) F23N 5/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BURNER IGNITION USING SENSORLESS CONSTANT MASS FLOW DRAFT INDUCERS**
[54] **SYSTEME ET METHODE D'ALLUMAGE D'UN BRULEUR AU MOYEN DE VENTILATEURS DE TIRAGE INDUIT A DEBIT DE MASSE CONSTANT SANS CAPTEUR**
[72] POST, STEVEN W., US
[72] GARRETT, MICHAEL K., US
[72] GURUDASANI, VIJAY DAYALDAS, US
[71] REGAL BELOIT AMERICA, INC., US
[22] 2020-08-06
[41] 2021-02-23
[30] US (16/549441) 2019-08-23

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[13] A1
[51] **Int.Cl. F24T 50/00 (2018.01) B65G 5/00 (2006.01) F01K 25/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GEOTHERMAL ENERGY PRODUCTION**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ENERGIE GEOTHERMIQUE**
[72] ZIMMER, MARTIN, DE
[72] STRAUCH, BETTINA, DE
[71] HELMHOLTZ-ZENTRUM POTSDAM - DEUTSCHES GEOFORSCHUNGSZENTRUM GFZ - STIFTUNG DES OFFENTLICHEN RECHTS DES LANDES BRANDENBURG, DE
[22] 2020-08-10
[41] 2021-02-22
[30] DE (10 2019 122 588.4) 2019-08-22

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[13] A1
[51] **Int.Cl. G01B 11/06 (2006.01) F16D 65/12 (2006.01)**
[25] EN
[54] **SENSOR DEVICE**
[54] **DISPOSITIF DE DETECTION**
[72] ULLRICH, WOLFGANG, DE
[71] STURM MASCHINEN- & ANLAGENBAU GMBH, DE
[22] 2020-08-11
[41] 2021-02-26
[30] EP (19193596.4) 2019-08-26

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[13] A1
[51] **Int.Cl. A61K 47/44 (2017.01) A61K 36/28 (2006.01) A61K 36/47 (2006.01) A61K 36/53 (2006.01) A61K 47/10 (2017.01) A61P 17/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING DIABETIC FOOT AND OTHER INJURIES AND SORES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UN PIED DIABETIQUE ET D'AUTRES BLESSURES ET DOULEURS**
[72] CAMPILLO RONQUILLO, HUMBERTO IGNACIO, MX
[71] XOSMAR INDUSTRIES, LLC, US
[22] 2020-08-11
[41] 2021-02-26
[30] US (62891449) 2019-08-26

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[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/22 (2006.01) E21B 43/30 (2006.01)**
[25] FR
[54] **METHOD FOR RECOVERING HEAVY AND/OR EXTRA-HEAVY OILS FROM A GEOLOGICAL RESERVOIR BY SEQUENTIAL INJECTION OF STEAM AND FOAM**
[54] **PROCEDE POUR LA RECUPERATION DES HUILES LOURDES ET/OU EXTRA-LOURDES D'U N RESERVOIR GEOLOGIQUE PAR INJECTION SEQUENTIELLE DE VAPEUR ET DE MOUSSE**
[72] AYACHE, SIMON, FR
[72] BATOT, GUILLAUME, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2020-08-13
[41] 2021-02-22
[30] FR (1909331) 2019-08-22

[21] **3,090,113**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **REDUCING FLUCTUATIONS IN TAIL GAS FLOW AND FUEL PROPERTY FROM AN ADSORPTION UNIT**
[54] **REDUCTION DES FLUCTUATIONS DANS L'ECOULEMENT DES GAZ DU POINT D'ANCRAGE ET CARACTERISTIQUE DE CARBURANT D'UNE UNITE D'ABSORPTION**
[72] PENG, XIANG-DONG, US
[72] D'ADDIO, ELIZABETH M., US
[72] HUFTON, JEFFREY RAYMOND, US
[72] ZHANG, YU, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2020-08-14
[41] 2021-02-21
[30] US (16/546,460) 2019-08-21

[21] **3,090,142**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING A FLOW OF ELECTRONS FOR INHALATION OR INGESTION BY AN ORGANISM**
[54] **SYSTEME ET METHODE DE DISTRIBUTION D'UN FLUX D'ELECTRONS POUR L'INHALATION OU L'INGESTION PAR UN ORGANISME**
[72] LI, ZHEN, CA
[71] LI, ZHEN, CA
[22] 2020-08-16
[41] 2021-02-22
[30] CN (2019107801342) 2019-08-22

[21] **3,090,247**
[13] A1
[51] **Int.Cl. B27N 3/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THE PRODUCTION OF MANUFACTURED WOOD**
[54] **METHODE ET SYSTEME DE PRODUCTION DE BOIS MANUFACTURE**
[72] MILLER, OWEN, CA
[72] MILLER, JERRY, CA
[71] DEADWOOD INNOVATIONS LIMITED, CA
[22] 2020-08-17
[41] 2021-02-23
[30] CA (3,053,343) 2019-08-23

[21] **3,090,250**
[13] A1
[51] **Int.Cl. H02B 1/03 (2006.01) H01R 4/2406 (2018.01) H02G 15/06 (2006.01)**
[25] EN
[54] **METER BOX WITH INSULATION-PIERCING WIRE TERMINATION CONNECTORS**
[54] **BOITE DE COMPTEUR A CONNECTEURS DE TERMINAISON DE FIL CAPABLES DE PERCER L'ISOLATION**
[72] MCCARTHY, WILLIAM E., US
[72] LUDWIG, MATTHEW B., US
[72] OCHS, RYAN R., US
[72] HAGEN, BRIAN M., US
[72] LEACH, DOUGLAS D., US
[72] BENNETT, GREGORY E., US
[71] MILBANK MANUFACTURING CO., US
[22] 2020-08-17
[41] 2021-02-22
[30] US (16/548250) 2019-08-22

[21] **3,090,267**
[13] A1
[51] **Int.Cl. H05B 47/10 (2020.01) F21S 4/10 (2016.01) H05B 47/155 (2020.01) H05B 47/165 (2020.01) H05B 47/175 (2020.01) A47G 33/00 (2006.01)**
[25] EN
[54] **LIGHT DISPLAY CONTROL SYSTEM WITH REMOTE CONTROL**
[54] **SYSTEME DE CONTROLE D'UN PRESENTOIR LUMINEUX AVEC TELECOMMANDE**
[72] MCRAE, MICHAEL M., US
[71] NATIONAL TREE COMPANY, US
[22] 2020-08-12
[41] 2021-02-22
[30] US (16/548,494) 2019-08-22

[21] **3,090,306**
[13] A1
[51] **Int.Cl. F16J 15/54 (2006.01) B64C 13/28 (2006.01) F16H 25/22 (2006.01)**
[25] EN
[54] **BALLSCREW SEAL**
[54] **JOINT DE VIS A BILLES**
[72] SOMERFIELD, MICHAEL, GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2020-08-18
[41] 2021-02-23
[30] EP (19193494.2) 2019-08-23

[21] **3,090,307**
[13] A1
[51] **Int.Cl. F21S 10/04 (2006.01) F21S 4/10 (2016.01) F21V 21/088 (2006.01)**
[25] EN
[54] **REALISTIC CANDLE LIGHTING DECORATION**
[54] **DECORATION D'ECLAIRAGE DE CHANDELLE REALISTE**
[72] ROUSSON, JACQUES, CA
[71] ROUSSON, JACQUES, CA
[22] 2020-08-18
[41] 2021-02-21
[30] US (62/889,601) 2019-08-21
[30] US (16/993,703) 2020-08-14

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[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01) A47L 7/00 (2006.01)**
[25] EN
[54] **PORTABLE PET GROOMING SYSTEM**
[54] **SYSTEME DE TOILETTE POUR ANIMAUX PORTATIF**
[72] HOFFMANN, JEREMY W., US
[72] DEXTER, BRIAN ROBERT, US
[71] BISSELL INC., US
[22] 2020-08-18
[41] 2021-02-22
[30] US (62/890,165) 2019-08-22

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[21] **3,090,412**
[13] A1
[51] **Int.Cl. G06F 40/284 (2020.01) G06F 40/30 (2020.01)**
[25] EN
[54] **NATURAL LANGUAGE PROCESSING**
[54] **TRAITEMENT DE LANGAGE NATUREL**
[72] XIA, ANDREW, CA
[72] BENO, TAL, CA
[72] BASOVICH, YULY, CA
[72] MOHMAND, AMAR ABDUL WARIS, CA
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2020-08-18
[41] 2021-02-21
[30] US (62/967,334) 2020-01-29
[30] US (62/889,815) 2019-08-21

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[21] **3,090,438**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01) B64C 1/00 (2006.01)**
[25] FR
[54] **AIRCRAFT CABIN, EXTENDING INTO A FUSELAGE ALONG AN AIRCRAFT AXIS AND RELATED BUSINESS AIRCRAFT**
[54] **CABINE D'AERONEF, S'ETENDANT DANS UN FUSELAGE LE LONG D'UN AXE AVION ET AVION D'AFFAIRES ASSOCIE**
[72] ROBERT, MAXIME, FR
[72] GERVAIS, AGNES, FR
[71] DASSAULT AVIATION, FR
[22] 2020-08-19
[41] 2021-02-26
[30] FR (19 09 398) 2019-08-26

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[21] **3,090,454**
[13] A1
[51] **Int.Cl. F25D 31/00 (2006.01)**
[25] EN
[54] **COOLING ARRANGEMENT FOR A RACK HOSTING ELECTRONIC EQUIPMENT AND AT LEAST ONE FAN**
[54] **DISPOSITION DE REFROIDISSEMENT POUR UN RATELIER SOUTENANT DU MATERIEL ELECTRONIQUE ET AU MOINS UN VENTILATEUR**
[72] CHEHADE, ALI, FR
[72] BAUDUIN, HADRIEN, FR
[72] KLABA, HENRYK, FR
[71] OVH, FR
[22] 2020-08-18
[41] 2021-02-26
[30] EP (19315103.2) 2019-08-26
[30] EP (19315150.3) 2019-11-29

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[13] A1
[51] **Int.Cl. G06T 5/00 (2006.01) G06T 7/90 (2017.01) G06N 3/08 (2006.01) G06T 1/40 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SENSOR-INDEPENDENT ILLUMINANT DETERMINATION**
[54] **SYSTEMES ET METHODES POUR LA DETERMINATION DE SOURCE LUMINEUSE INDEPENDANTE DE CAPTEURS**
[72] AFIFI, MAHMOUD, CA
[72] BROWN, MICHAEL, CA
[71] AFIFI, MAHMOUD, CA
[71] BROWN, MICHAEL, CA
[22] 2020-08-14
[41] 2021-02-22
[30] US (62/890,135) 2019-08-22

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[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F24F 3/153 (2006.01) F25B 6/00 (2006.01)**
[25] EN
[54] **VARIABLE REFRIGERANT FLOW SYSTEM**
[54] **SYSTEME DE DEBIT VARIABLE DE FRIGORIGENE**
[72] HUNG, DER-KAI, US
[72] LAN, LIN, US
[72] DRURY, CHRISTOPHER JOHN, US
[71] LENNOX INDUSTRIES INC., US
[22] 2020-08-19
[41] 2021-02-26
[30] US (16/550,446) 2019-08-26

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[21] **3,090,564**
[13] A1
[51] **Int.Cl. B26B 21/22 (2006.01)**
[25] EN
[54] **RAZOR CARTRIDGE CONNECTION AND HANDLE**
[54] **CONNEXION ET POIGNEE DE CARTOUCHE DE RASOIR**
[72] PARMELE, JAMES ROBERT, US
[72] RILEY, JUSTIN GARRETT, US
[71] HARRY'S, INC., US
[22] 2020-08-13
[41] 2021-02-22
[30] US (16/548,393) 2019-08-22

[21] **3,090,571**
[13] A1
[51] **Int.Cl. B60R 16/02 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **VEHICLE LEARNING CONTROL SYSTEM, VEHICLE CONTROL DEVICE, AND VEHICLE LEARNING DEVICE**
[54] **SYSTEME DE CONTROLE D'APPRENTISSAGE DE VEHICULE, DISPOSITIF DE CONTROLE DE VEHICULE ET DISPOSITIF D'APPRENTISSAGE DE VEHICULE**
[72] HASHIMOTO, YOHSUKE, JP
[72] KATAYAMA, AKIHIRO, JP
[72] OSHIRO, YUTA, JP
[72] SUGIE, KAZUKI, JP
[72] OKA, NAOYA, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2020-08-20
[41] 2021-02-22
[30] JP (2019-152133) 2019-08-22

[21] **3,090,579**
[13] A1
[51] **Int.Cl. A61B 90/00 (2016.01) A61B 50/00 (2016.01)**
[25] EN
[54] **SYSTEMS, APPARATUS AND METHODS FOR AUTOMATICALLY COUNTING MEDICAL OBJECTS, ESTIMATING BLOOD LOSS AND/OR COMMUNICATING BETWEEN MEDICAL EQUIPMENT**
[54] **SYSTEMES, APPAREIL ET METHODES POUR LE COMPTAGE AUTOMATIQUE D'OBJETS MEDICAUX, L'ESTIMATION DE LA PERTE DE SANG ET/OU LA COMMUNICATION DU MATERIEL MEDICAL**
[72] ROSINSKI, JARED, US
[71] MEDLINE INDUSTRIES, INC., US
[22] 2020-08-20
[41] 2021-02-21
[30] US (62/889,921) 2019-08-21

[21] **3,090,586**
[13] A1
[51] **Int.Cl. E21B 43/1185 (2006.01) E21B 43/119 (2006.01)**
[25] EN
[54] **DETONATION SYSTEM HAVING SEALED EXPLOSIVE INITIATION ASSEMBLY**
[54] **SYSTEME DE DETONATION COMPORTANT UN ENSEMBLE D'AMORCE D'EXPLOSIF SCELLE**
[72] SULLIVAN, SHELBY L., US
[72] HOLMBERG, AARON, US
[72] KLEINSCHMIT, NICHOLAS N., US
[71] PERFX WIRELINE SERVICES, LLC, US
[22] 2020-08-20
[41] 2021-02-22
[30] US (63/048,212) 2020-07-06
[30] US (62/890,242) 2019-08-22
[30] US (62/987,743) 2020-03-10
[30] US (16/894,512) 2020-06-05
[30] US (16/836,193) 2020-03-31

[21] **3,090,599**
[13] A1
[51] **Int.Cl. H04M 3/523 (2006.01) G06F 40/00 (2020.01) G10L 15/22 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING ASSISTANCE TO CALLING CUSTOMERS**
[54] **METHODE ET APPAREIL D'AIDE AUX CLIENTS APPELANTS**
[72] KANNAN, PALLIPURAM V., US
[71] [24]7.AI, INC., US
[22] 2020-08-19
[41] 2021-02-22
[30] US (16/996,649) 2020-08-18
[30] US (62/890,239) 2019-08-22

[21] **3,090,602**
[13] A1
[51] **Int.Cl. E03F 5/10 (2006.01) E02B 11/00 (2006.01)**
[25] EN
[54] **COLLECTION TANK FOR SUMP PUMP UNDER BUILDING FLOOR**
[54] **RESERVOIR COLLECTEUR DE POMPE D'ASSECHEMENT SOUS LE PLANCHER D'UN BATIMENT**
[72] CASCIANO, PAUL, CA
[71] LYON HOLDINGS LTD., CA
[22] 2020-08-20
[41] 2021-02-22
[30] US (62/890,356) 2019-08-22

[21] **3,090,607**
[13] A1
[51] **Int.Cl. H05B 47/155 (2020.01) H05B 45/10 (2020.01) H05B 45/20 (2020.01) H05B 47/195 (2020.01) E06B 11/02 (2006.01)**
[25] EN
[54] **REMOTE CONTROL OF TRAFFIC GATES**
[54] **TELECOMMANDE DE BARRIERES DE TRAFIC**
[72] FOX, DAVID, US
[72] HONECK, RANDALL GENE, US
[72] HONECK, JASON LEE, US
[71] RAILWAY EQUIPMENT COMPANY, INC., US
[22] 2020-08-20
[41] 2021-02-22
[30] US (62/890,398) 2019-08-22

[21] **3,090,616**
[13] A1
[51] **Int.Cl. F24F 11/62 (2018.01) F24F 11/72 (2018.01) G06N 3/02 (2006.01)**
[25] EN
[54] **ENVIRONMENT CONTROLLER AND METHOD FOR GENERATING A PREDICTIVE MODEL OF A NEURAL NETWORK THROUGH DISTRIBUTED REINFORCEMENT LEARNING**
[54] **CONTROLEUR D'ENVIRONNEMENT ET METHODE DE PRODUCTION D'UN MODELE DE PREVISION D'UN RESEAU NEURONAL AU MOYEN D'UN APPRENTISSAGE PAR RENFORCEMENT REPARTI**
[72] LUPIEN, STEVE, CA
[72] GERVAIS, FRANCOIS, CA
[71] DISTECH CONTROLS INC., CA
[22] 2020-08-20
[41] 2021-02-26
[30] US (62/891,585) 2019-08-26
[30] US (16/697,886) 2019-11-27

[21] **3,090,624**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01) F24F 11/50 (2018.01) F24F 11/56 (2018.01) F24F 11/62 (2018.01) G05B 19/042 (2006.01)**
[25] EN
[54] **TRAINING SERVER AND METHOD FOR GENERATING A PREDICTIVE MODEL OF A NEURAL NETWORK THROUGH DISTRIBUTED REINFORCEMENT LEARNING**
[54] **SERVEUR DE FORMATION ET METHODE DE PRODUCTION D'UN MODELE DE PREVISION D'UN RESEAU NEURONAL AU MOYEN D'UN APPRENTISSAGE PAR RENFORCEMENT REPARTI**
[72] LUPIEN, STEVE, CA
[72] GERVAIS, FRANCOIS, CA
[71] DISTECH CONTROLS INC., CA
[22] 2020-08-20
[41] 2021-02-26
[30] US (62/891,585) 2019-08-26
[30] US (16/697,684) 2019-11-27

[21] **3,090,625**
[13] A1
[51] **Int.Cl. H02M 7/04 (2006.01) H02J 11/00 (2006.01) H02M 1/08 (2006.01) H02M 3/04 (2006.01)**
[25] EN
[54] **CIRCUITS AND METHODS USING POWER SUPPLY OUTPUT VOLTAGE TO POWER A PRIMARY SIDE AUXILIARY CIRCUIT**
[54] **CIRCUITS ET METHODE D'UTILISATION DE LA TENSION DE SORTIE D'UNE SOURCE D'ALIMENTATION POUR ALIMENTER UN CIRCUIT AUXILIAIRE REEL PRIMAIRE**
[72] CHEN, YANG, CN
[72] LIU, YAN-FEI, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[22] 2020-08-20
[41] 2021-02-22
[30] US (62/890,568) 2019-08-22

[21] **3,090,636**
[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01) H01L 33/26 (2010.01) H05B 45/40 (2020.01) H05B 47/155 (2020.01) G02B 27/09 (2006.01)**
[25] EN
[54] **TERAHERTZ ILLUMINATION SOURCE FOR TERAHERTZ IMAGING**
[54] **SOURCE D'ILLUMINATION TERAHERTZ POUR UNE IMAGERIE TERAHERTZ**
[72] JACOB, MICHEL, CA
[72] DOUCET, MICHEL, CA
[72] FOUGERES, ANDRE, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
[22] 2020-08-20
[41] 2021-02-23
[30] US (62/890912) 2019-08-23

[21] **3,090,675**
[13] A1
[51] **Int.Cl. A01C 7/06 (2006.01) A01C 7/08 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **SECTION CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DE SECTION**
[72] TRUSHIN, ALEXANDER, AU
[71] AUSPLOW PTY. LTD., AU
[22] 2020-08-21
[41] 2021-02-22
[30] AU (2019903067) 2019-08-22

[21] **3,090,676**
[13] A1
[51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/14 (2009.01)**
[25] EN
[54] **ELECTRONIC COMMUNICATION METHODS AND SYSTEMS FOR COLLABORATING AND COMMUNICATING IN MEETING ENVIRONMENTS**
[54] **METHODES ET SYSTEMES DE COMMUNICATION ELECTRONIQUE POUR LA COLLABORATION ET LA COMMUNICATION DANS LES ENVIRONNEMENTS DE REUNION**
[72] FAHRENDORFF, ANDERS, CA
[72] MOMBOURQUETTE, DARREN, CA
[72] NAIDOO, LOGENDRA, CA
[72] ABOU-SAYED, MONA, US
[71] MITEL NETWORKS (INTERNATIONAL) LIMITED, GB
[22] 2020-08-19
[41] 2021-02-23
[30] US (62/922710) 2019-08-23
[30] US (16/989619) 2020-08-10

[21] **3,090,678**
[13] A1
[51] **Int.Cl. H02G 3/02 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **STABILIZING BRACKETS FOR ELECTRICAL BOXES**
[54] **SUPPORTS DE STABILISATION POUR BOITIERS ELECTRIQUES**
[72] SALUBRO, SIGFRIDO, US
[71] HUBBELL INCORPORATED, US
[22] 2020-08-21
[41] 2021-02-27
[30] US (62/892,077) 2019-08-27

[21] **3,090,682**
[13] A1
[51] **Int.Cl. E06B 7/12 (2006.01) E06B 9/08 (2006.01)**
[25] EN
[54] **DEFROSTING ROLL-UP CLIMATE CONTROLLED DOOR**
[54] **DEGIVRAGE D'UNE PORTE A RIDEAU A AMBIANCE CONTROLEE**
[72] BERRY, CURTIS, US
[71] JAMISON DOOR COMPANY, US
[22] 2020-08-19
[41] 2021-02-21
[30] US (62/889,718) 2019-08-21

[21] **3,090,710**
[13] A1
[51] **Int.Cl. B05C 1/06 (2006.01) A61B 1/00 (2006.01)**
[25] EN
[54] **DISPENSING DEVICE**
[54] **APPAREIL DE DISTRIBUTION**
[72] GOLDBERG, MITCHELL K., CA
[71] BATRIK MEDICAL MANUFACTURING INC., CA
[22] 2020-08-21
[41] 2021-02-21
[30] US (62/889,602) 2019-08-21

[21] **3,090,725**
[13] A1
[51] **Int.Cl. E21B 23/14 (2006.01)**
[25] EN
[54] **CABLE HEAD FOR ATTACHING A DOWNHOLE TOOL TO A WIRELINE**
[54] **TETE DE CABLE POUR FIXER UN TROU DE FOND DE PUITS A UN CABLAGE**
[72] GOLINOWSKI, JEFFREY, CA
[71] TIER 1 ENERGY TECH, INC., CA
[22] 2020-08-21
[41] 2021-02-21
[30] US (62/889,657) 2019-08-21

[21] **3,090,739**
[13] A1
[51] **Int.Cl. E04G 17/00 (2006.01) E04G 17/06 (2006.01)**
[25] EN
[54] **SLEEVE ASSEMBLY AND RELATED METHOD**
[54] **MANCHON ET METHODE CONNEXE**
[72] STARRETT, RILEY, CA
[71] STARRETT, RILEY, CA
[22] 2020-08-21
[41] 2021-02-23
[30] US (62/890,702) 2019-08-23

[21] **3,090,772**
[13] A1
[51] **Int.Cl. E01C 19/44 (2006.01)**
[25] EN
[54] **A HAND HELD SCREED RANKING DEVICE FOR APPLYING PAVING MATERIAL TO A SURFACE**
[54] **RATEAU DEBROUSSAILLEUR PORTATIF POUR APPLIQUER UN MATERIAU DE PAVAGE A UNE SURFACE**
[72] FROST, STUART ANTHONY, US
[72] FROST, DAVID MICHAEL, JR., US
[71] AXENOX CORP., US
[22] 2020-08-21
[41] 2021-02-22
[30] US (16/548,827) 2019-08-22

[21] **3,090,778**
[13] A1
[51] **Int.Cl. H02M 1/36 (2007.01) H02M 1/08 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE START-UP CIRCUIT FOR SWITCHING POWER SUPPLIES**
[54] **CIRCUIT DE DEMARRAGE HAUTE TENSION POUR LA COMMUTATION DE SOURCES D'ALIMENTATION**
[72] CHEN, YANG, CN
[72] LIU, YAN-FEI, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[22] 2020-08-21
[41] 2021-02-22
[30] US (62/890,574) 2019-08-22

[21] **3,090,786**
[13] A1
[51] **Int.Cl. H03G 3/20 (2006.01) H04B 3/36 (2006.01) H04B 3/48 (2015.01)**
[25] EN
[54] **CHANNELISED GAIN CONTROL OF LINE AMPLIFIERS**
[54] **COMMANDE DE GAIN MULTICANALE D'AMPLIFICATEURS DE LIGNE**
[72] SNELL, CHRISTOPHER JOHN, AU
[72] POPE, GREGORY STEVEN, AU
[71] RF INDUSTRIES PTY LTD, AU
[22] 2020-08-21
[41] 2021-02-23
[30] AU (2019903091) 2019-08-23

[21] **3,090,815**
[13] A1
[51] **Int.Cl. F21V 21/15 (2006.01) F21L 14/00 (2006.01) F21V 21/14 (2006.01)**
[25] EN
[54] **ROTATING LIGHT TOWER ASSEMBLY**
[54] **ENSEMBLE DE TOUR LUMINEUSE ROTATIVE**
[72] WEBB, GEORGE, US
[72] CHAMBERS, TODD, US
[71] BOSS LTG, INC., US
[22] 2020-08-21
[41] 2021-02-27
[30] US (16/552,190) 2019-08-27

[21] **3,090,828**
[13] A1
[51] **Int.Cl. B09B 3/00 (2006.01)**
[25] EN
[54] **CONDITIONING, BIOTREATMENT AND COMPOSTING OF CONSTRUCTION AND DEMOLITION DEBRIS FINES**
[54] **CONDITIONNEMENT, BIOTRAITEMENT ET COMPOSTAGE DE PARTICULES FINES DE DEBRIS DE CONSTRUCTION ET DE DEMOLITION**
[72] BUSSIERES-DICAIRE, JEAN-SIMON, CA
[72] DROUIN, THOMAS, CA
[72] GERMAIN, MATHIEU, CA
[72] BUREAU, MARTIN, CA
[72] PAQUIN, JEAN, CA
[71] SANEXEN ENVIRONMENTAL SERVICES, INC., CA
[22] 2020-08-21
[41] 2021-02-22
[30] US (62/890,120) 2019-08-22

[21] **3,090,862**
[13] A1
[51] **Int.Cl. F28G 9/00 (2006.01) B08B 9/023 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR CLEANING A HEAT EXCHANGER OR WATER SYSTEM**
[54] **METHODE ET APPAREIL DE NETTOYAGE D'UN ECHANGEUR DE CHALEUR OU D'UN CIRCUIT D'EAU**
[72] SEIPPEL, JEFFREY J., US
[71] SEIPPEL, JEFFREY J., US
[22] 2020-08-24
[41] 2021-02-26
[30] US (62/891,682) 2019-08-26

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[13] A1
[51] **Int.Cl. F24D 19/10 (2006.01) F24D 17/00 (2006.01) F24H 1/18 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **WATER HEATER WITH INTEGRATED BUILDING RECIRCULATION CONTROL**
[54] **CHAUFFE-EAU A COMMANDE INTEGREE DE RECIRCULATION DANS LE BATIMENT**
[72] HUMPHREY, SCOTT GILMAN, US
[72] KNOBLETT, MICHAEL SCOTT, US
[72] SILER, JASON WILLIAM, US
[71] RINNAI AMERICA CORPORATION, US
[22] 2020-08-24
[41] 2021-02-23
[30] US (62/890,974) 2019-08-23

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[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01) F16F 7/10 (2006.01) F16F 15/02 (2006.01) G10K 11/162 (2006.01)**
[25] EN
[54] **SOUND DAMPING RAILING**
[54] **GARDE-FOU A ATTENUATION SONORE**
[72] RUCKER, TAMMY LEIGH, US
[71] CPG INTERNATIONAL LLC, US
[22] 2020-08-21
[41] 2021-02-23
[30] US (62/891256) 2019-08-23
[30] US (62/893568) 2019-08-29

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G16H 10/00 (2018.01) G16H 10/60 (2018.01) G16H 40/20 (2018.01) G06F 40/12 (2020.01)**
[25] EN
[54] **COMPUTER SYSTEM AND METHOD FOR CONCURRENT CLINICAL DOCUMENT IMPROVEMENT AND CODING**
[54] **SYSTEME ET METHODE INFORMATIQUES POUR L'AMELIORATION ET LE CODAGE SIMULTANES DE DOCUMENTS CLINIQUES**
[72] SEESE, JEFFREY SCOTT, US
[72] ORTIZ, DIANA MARIE, US
[72] IMBURGIA, JULIE LYNN, US
[72] BAYLESS, CHRISTINE FRANCES, US
[72] SALOMON, JULIE ANN, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2020-08-24
[41] 2021-02-23
[30] US (62/890698) 2019-08-23

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[21] **3,090,963**
[13] A1
[51] **Int.Cl. E01F 15/10 (2006.01) E01F 15/08 (2006.01)**
[25] EN
[54] **ROADBLOCK FOR TEMPORARY INSTALLATION TO BLOCK TRAFFIC AND/OR AS A SECURITY PRECAUTION**
[54] **BARRAGE ROUTIER TEMPORAIRE POUR BLOQUER LE TRAFIC ET/OU A TITRE DE PRECAUTION**
[72] RAMAEKERS, NICKY JOSEPH GERARDUS, NL
[71] LAURA METAAL HOLDING B.V., NL
[22] 2020-08-24
[41] 2021-02-27
[30] NL (2023715) 2019-08-27

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[13] A1
[25] EN
[54] **COMPACTOR**
[54] **COMPACTEUR**
[72] MAHLER, GERHARD, DE
[72] KREGER, MARCO, DE
[72] GREGER, STEFAN, DE
[72] GRADL, THOMAS, DE
[71] HAMM AG, DE
[22] 2020-08-24
[41] 2021-02-26
[30] DE (10 2019 122 811.5) 2019-08-26

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[21] **3,090,971**
[13] A1
[51] **Int.Cl. G09B 9/04 (2006.01) E02F 5/00 (2006.01)**
[25] EN
[54] **UNDERGROUND DAMAGE PREVENTION METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL DE PREVENTION DES DOMMAGES SOUTERRAINS**
[72] SAMPSON, ROGER, US
[71] SAMPSON, ROGER, US
[22] 2020-08-24
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[25] EN
[54] **COMPOSITION OF N-PALMITOYL-ETHANOLAMIDE AND RUTIN IN CO-MICRONIZED FORM**
[54] **COMPOSITION DE N-PALMITOYLETHANOLAMIDE ET DE RUTINE EN FORME COMICRONISEE**
[72] DELLA VALLE, FRANCESCO, IT
[72] DELLA VALLE, MARIA FEDERICA, IT
[72] MARCOLONGO, GABRIELE, IT
[72] CUZZOCREA, SALVATORE, IT
[72] SAFINA, VITO, IT
[71] EPITECH GROUP S.P.A., IT
[22] 2020-08-24
[41] 2021-02-26
[30] IT (102019000015018) 2019-08-26

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[25] EN
[54] **ADVISING MEETING PARTICIPANTS OF THEIR CONTRIBUTIONS BASED ON A GRAPHICAL REPRESENTATION**
[54] **NOTIFICATION DES PARTICIPANTS DE LEUR APPORT EN FONCTION D'UNE REPRESENTATION GRAPHIQUE**
[72] FAHRENDORFF, ANDERS, CA
[72] MOMBOURQUETTE, DARREN, CA
[72] ABOU-SAYED, MONA, US
[72] NAIDOO, LOGENDRA, CA
[71] MITEL NETWORKS (INTERNATIONAL) LIMITED, GB
[22] 2020-08-24
[41] 2021-02-23
[30] US (62/922710) 2019-08-23
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[25] EN
[54] **STEAM BOX WITH MULTIPLE VALVES AND DIFFUSER PLATES AND RELATED SYSTEM**
[54] **CHAMBRE DE POUSSE CONTROLEE A MULTIPLES VANNES ET PLAQUES DE DIFFUSEUR, ET SYSTEME CONNEXE**
[72] NIENABER, ANDRIES, US
[72] HART, NICHOLAS, US
[72] EBNETH, PETER, US
[72] CARDOSO, LAIRTON, US
[71] ANDRITZ INC., US
[22] 2020-08-24
[41] 2021-02-27
[30] US (62/892,184) 2019-08-27
[30] US (16/999,777) 2020-08-21

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[51] **Int.Cl. A61L 27/50 (2006.01) A61B 17/11 (2006.01) A61F 2/04 (2013.01) A61L 27/52 (2006.01)**
[25] EN
[54] **A DEGRADABLE INTESTINAL DIVERSION DEVICE**
[54] **DISPOSITIF DE DERIVATION INTESTINALE DEGRADABLE**
[72] CAI, XIUJUN, CN
[72] WU, ZHONGYU, CN
[72] CHEN, MINGYU, CN
[72] HUANG, DIYU, CN
[72] WANG, YIFAN, CN
[72] SHI, LEI, CN
[72] DAI, WEIJIAN, CN
[72] MA, YANLI, CN
[71] ZHEJIANG UNIVERSITY, CN
[22] 2020-08-24
[41] 2021-02-27
[30] CN (201910794214.3) 2019-08-27

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[13] A1
[51] **Int.Cl. F25D 31/00 (2006.01)**
[25] EN
[54] **COOLING ARRANGEMENT FOR AUTONOMOUS COOLING OF A RACK**
[54] **DISPOSITION DE REFROIDISSEMENT POUR LE REFROIDISSEMENT AUTONOME D'UN BAC**
[72] CHEHADE, ALI, FR
[72] BAUDUIN, HADRIEN, FR
[72] BAUCHART, GREGORY FRANCIS LOUIS, FR
[71] OVH, FR
[22] 2020-08-25
[41] 2021-02-26
[30] EP (19315150.3) 2019-11-29
[30] EP (19315103.2) 2019-08-26

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[25] EN
[54] **TRANSPORTING BITUMEN FROTH HAVING COARSE SOLIDS THROUGH A PIPELINE**
[54] **TRANSPORT DE MOUSSE DE BITUME CONTENANT DES SOLIDES GROSSIERS DANS UN PIPELINE**
[72] REID, KEVIN, CA
[72] ANTHIEREN, GARY, CA
[72] SANDERS, SEAN, CA
[72] SCHAAN, JASON, CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2020-08-25
[41] 2021-02-26
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[51] **Int.Cl. A61M 16/10 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **TESTING FOR NEUROVASCULAR UNCOUPLING IN MULTIPLE SCLEROSIS USING SEQUENTIAL GAS DELIVERY VERSUS FIXED INSPIRED CO2**
[54] **ESSAI D'ALTERATION DU COUPLAGE NEUROVASCULAIRE DANS LA SCLEROSE EN PLAQUES AU MOYEN D'UNE ADMINISTRATION DE GAZ SEQUENTIELLE PLUTOT QU'UN DEBIT DE CO2 FIXE INSPIRE**
[72] FISHER, JOSEPH ARNOLD, CA
[72] DUFFIN, JAMES, CA
[72] SOBCZYK, OLIVIA, CA
[72] MIKULIS, DAVID, CA
[71] THORNHILL SCIENTIFIC INC., CA
[22] 2020-08-21
[41] 2021-02-23
[30] US (62/891070) 2019-08-23

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[51] **Int.Cl. B65D 35/08 (2006.01) B65D 65/40 (2006.01) B65D 75/06 (2006.01) B65D 75/26 (2006.01)**
[25] EN
[54] **RECYCLABLE, COLLAPSIBLE TUBE WITH BARRIER PROPERTIES**
[54] **TUBE REPLIABLE ET RECYCLAGE PRESENTANT DES CARACTERISTIQUES DE BARRIERE**
[72] KERN, PHILIPPE, CH
[72] GEIGER, ANDREAS, CH
[71] HOFFMANN NEOPAC AG, CH
[22] 2020-08-26
[41] 2021-02-27
[30] EP (PCT/EP2019/072863) 2019-08-27

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[13] A1
[51] **Int.Cl. F01L 1/20 (2006.01) F01L 1/22 (2006.01)**
[25] EN
[54] **METHOD OF SETTING TAPPET CLEARANCE AND DEVICE THEREFOR**
[54] **METHODE D'ETABLISSEMENT DU JEU DE SOUPAPES ET APPAREIL CONNEXE**
[72] TANUMA, NAOYA, JP
[71] HONDA MOTOR CO., LTD., JP
[22] 2020-08-26
[41] 2021-02-26
[30] JP (2019-153388) 2019-08-26

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[13] A1
[51] **Int.Cl. G01N 1/10 (2006.01) G01N 1/22 (2006.01)**
[25] EN
[54] **FLUID SAMPLING VESSEL AND SYSTEM**
[54] **RECIPIENT D`ECHANTILLONNAGE DE FLUIDE ET SYSTEME**
[72] HALL, BERNARD, CA
[71] CHECKFLUID INC., CA
[22] 2020-08-26
[41] 2021-02-27
[30] US (62/892,071) 2019-08-27

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[13] A1
[51] **Int.Cl. C12N 1/04 (2006.01) A01N 25/08 (2006.01) A01N 63/00 (2020.01) A01P 21/00 (2006.01) C05F 11/08 (2006.01) C05G 3/00 (2020.01) C09K 17/40 (2006.01) C12N 1/00 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) C12N 11/14 (2006.01)**
[25] EN
[54] **CLAY-BASED CARRIER PLATFORM FOR BIOLOGICALS IN AGRICULTURE**
[54] **PLATEFORME DE SUPPORT A BASE D'ARGILE POUR LES PRODUITS BIOLOGIQUES EN AGRICULTURE**
[72] NAIK, SAJO P., US
[72] SHINDE, SHALAKA, US
[71] OIL-DRI CORPORATION OF AMERICA, US
[22] 2020-08-26
[41] 2021-02-26
[30] US (62/891,776) 2019-08-26

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[13] A1
[51] **Int.Cl. A47K 10/00 (2006.01) A45C 11/00 (2006.01)**
[25] EN
[54] **FINGER WIPER**
[54] **DISPOSITIF D'ESSUYAGE DE DOIGT**
[72] ALTMAN, CHEN, IL
[71] ALTMAN, CHEN, IL
[22] 2020-08-26
[41] 2021-02-27
[30] IL (268961) 2019-08-27

[21] **3,091,204**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/90 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DATA MART RATIONALIZATION**
[54] **SYSTEMES ET METHODES POUR LA RATIONALISATION DES MAGASINS DE DONNEES**
[72] MAO, VINNIE WAN LEI, CA
[71] BANK OF MONTREAL, CA
[22] 2020-08-26
[41] 2021-02-26
[30] US (62/891,810) 2019-08-26

[21] **3,091,213**
[13] A1
[51] **Int.Cl. C08L 91/06 (2006.01) B01F 17/50 (2006.01) B27K 3/34 (2006.01) C08J 3/03 (2006.01) C08L 97/00 (2006.01)**
[25] EN
[54] **AQUEOUS WAX EMULSIONS AND DISPERSIONS AND USES THEREOF**
[54] **EMULSIONS ET DISPERSIONS DE CIRE AQUEUSE, ET UTILISATIONS CONNEXES**
[72] SMEETS, NIELS MATHIEU BARBARA, CA
[72] SINNIGE, LAURENCE ANTHONY, CA
[72] JOSHANI, AZADEH, CA
[72] KIM, HYUNGSEAK, CA
[71] WALKER INDUSTRIES HOLDINGS LIMITED, CA
[22] 2020-08-26
[41] 2021-02-26
[30] US (62/891,519) 2019-08-26

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[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B62D 25/06 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **TRUCK BED COVER**
[54] **COUVRE-CAISSE**
[72] SELINGER, GREGORY M., US
[71] SELINGER, GREGORY M., US
[22] 2020-08-26
[41] 2021-02-26
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[13] A1
[51] **Int.Cl. A47F 3/04 (2006.01) F25D 23/00 (2006.01) F25D 23/02 (2006.01)**
[25] EN
[54] **REFRIGERATED MERCHANDISING CABINET**
[54] **ARMOIRE DE PRESENTATION DE MARCHANDISES REFRIGEREE**
[72] LENNON, OWEN, IE
[71] ORRELL LIMITED, IE
[22] 2020-08-26
[41] 2021-02-27
[30] GB (1912269.6) 2019-08-27

[21] **3,091,260**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **CLOUD-BASED COMMUNICATION SYSTEM FOR MONITORING AND FACILITATING COLLABORATION SESSIONS**
[54] **SYSTEME DE COMMUNICATION INFONUAGIQUE POUR LA SURVEILLANCE ET L'ANIMATION DE SEANCES DE COLLABORATION**
[72] MOMBOURQUETTE, DARREN, CA
[72] ABOU-SAYED, MONA, US
[72] FAHRENDORFF, ANDERS, CA
[72] NAIDOO, LOGENDRA, CA
[71] MITEL NETWORKS (INTERNATIONAL) LIMITED, GB
[22] 2020-08-24
[41] 2021-02-23
[30] US (62/922710) 2019-08-23
[30] US (17/000133) 2020-08-21

[21] **3,091,351**
[13] A1
[51] **Int.Cl. F41C 23/00 (2006.01) F41C 7/00 (2006.01) F41C 27/00 (2006.01)**
[25] EN
[54] **INTEGRATED UPPER RECEIVER AND INTEGRATED LOWER RECEIVER FOR THE AR10 AND AR15 PLATFORMS**
[54] **CARCASSE SUPERIEURE INTEGREE ET CARCASSE INFERIEURE INTEGREE POUR LES PLATEFORMES AR10 ET AR15**
[72] BECKLIN, DENNIS S., US
[71] ERA3 LLC, US
[22] 2020-08-27
[41] 2021-02-27
[30] US (16/553,156) 2019-08-27

[21] **3,091,503**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **LINKING A TRANSACTION WITH A MERCHANT TO AN INTERACTION WITH AN AUGMENTED REALITY ADVERTISEMENT**
[54] **LIEN D'UNE TRANSACTION AVEC UN MARCHAND A UNE INTERACTION AVEC UNE PUBLICITE DE REALITE AUGMENTEE**
[72] TIETZEN, TERRANCE PATRICK, CA
[72] BATES, MATTHEW ARNOLD MACPHERSON, CA
[72] KIMBALL, MICHAEL J., US
[71] EDATANETWORKS INC., CA
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[41] 2021-02-22
[30] US (62/890,321) 2019-08-22
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[51] **Int.Cl. H04N 1/00 (2006.01) G06F 16/17 (2019.01) H04L 12/16 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING A FAX TO A RECIPIENT ON A PAGE BY PAGE BASIS**
[54] **SYSTEME ET METHODE D'ENVOI D'UNE TELECOPIE A UN DESTINATAIRE PAGE PAR PAGE**
[72] DAGATE, MICHAEL P., US
[72] MAHAFFEY, DAVID G., US
[72] LENINGTON, ERIC C.D., US
[71] FAXLOGIC, LLC, US
[22] 2020-08-21
[41] 2021-02-21
[30] US (16/547,286) 2019-08-21

[21] **3,091,608**
[13] A1
[51] **Int.Cl. B24B 55/02 (2006.01)**
[25] EN
[54] **COOLING DEVICE FOR A ROTATING POLISHING DISK**
[54] **DISPOSITIF DE REFROIDISSEMENT POUR UN DISQUE A POLIR ROTATIF**
[72] MCLAIN, SCOTT S., US
[72] KENDALL, CHARLES B., III, US
[71] LAKE COUNTRY TOOL, LLC, US
[22] 2020-08-25
[41] 2021-02-26
[30] US (16/550,620) 2019-08-26

[21] **3,100,476**
[13] A1
[51] **Int.Cl. C12P 21/00 (2006.01) C07K 1/14 (2006.01) C07K 1/34 (2006.01) C12N 1/20 (2006.01) C12P 1/04 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **ALKALIPHILIC CONSORTIUM SHIFTING FOR PRODUCTION OF PHYCOCYANINS AND BIOCHEMICALS**
[54] **DEPLACEMENT DE CONSORTIUM ALCALIPHILE POUR LA PRODUCTION DE PHYCOCYANINES ET DE PRODUITS BIOCHIMIQUES**
[72] VADLAMANI, AGASTESWAR, CA
[72] DEMIRKAYA, CIGDEM, CA
[72] ZORZ, JACQUELINE, CA
[72] DE LA HOZ SIEGLER, HECTOR, CA
[72] STROUS, MARC, CA
[71] SYNERGIA BIOTECH INC., CA
[22] 2020-11-24
[41] 2021-02-25
[30] US (62/940,626) 2019-11-26

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[13] A1
[51] **Int.Cl. B65D 35/24 (2006.01)**
[25] EN
[54] **TOOTHPASTE RETAINER CLIP**
[54] **PINCE DE RETENUE DE DENTIFRICE**
[72] FIORITTI, PAUL GREGORY, CA
[71] FIORITTI, PAUL GREGORY, CA
[22] 2020-12-11
[41] 2021-02-25

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[13] A1
[51] **Int.Cl. A01G 25/16 (2006.01)**
[25] EN
[54] **METHOD FOR MANAGING CROP IRRIGATION, AND SYSTEM USING SAME**
[54] **METHODE DE GESTION DE L'IRRIGATION DES CULTURES ET SYSTEME CONNEXE**
[72] GILBERT, MICHAEL WALTER, CA
[72] LEUNG, KENNY KA HIN, CA
[72] TEITELBAUM, TOMAS, CA
[72] MA, OLIVER ZHEYI, CA
[72] MARTINEZ, JOHANN DAVID, US
[72] HAZELL, JORDAN RICHARD, CA
[71] SEMIOSBIO TECHNOLOGIES INC., CA
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[51] **Int.Cl. C12N 5/071 (2010.01) C12Q 1/02 (2006.01) A01K 67/027 (2006.01)**
[25] EN
[54] **HUMAN FATTY-LIVER MODEL CELLS**
[54] **CELLULES MODELES DE STEATOSE HEPATIQUE**
[72] KAKUNI, MASAKAZU, JP
[72] TAKAHASHI, MASAKI, JP
[72] HATA, KEISHI, JP
[72] TOMATSU, SAYAKA, JP
[72] SASAKI, AKIRA, JP
[72] UMEKAWA, YUI, JP
[71] PHOENIXBIO CO., LTD., JP
[71] AKITA PREFECTURAL GOVERNMENT, JP
[85] 2019-12-13
[86] 2019-10-29 (PCT/JP2019/042317)
[87] (3065031)
[30] JP (2019-153323) 2019-08-26

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[13] A1
[51] **Int.Cl. B60T 17/00 (2006.01) B60T 5/00 (2006.01)**
[25] EN
[54] **HEAT-DISSIPATING CAR CALIPER COVER**
[54] **COUVERCLE D'ETRIER DE FREIN DE VOITURE A DISSIPATION THERMIQUE**
[72] ZHANG, JIANPING, CN
[71] ZHANG, JIANPING, CN
[85] 2020-02-28
[86] 2019-09-10 (PCT/CN2019/105076)
[87] (3074296)
[30] CN (201910786535.9) 2019-08-23

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[51] **Int.Cl. B29C 63/24 (2006.01) B29C 63/00 (2006.01) B29C 63/06 (2006.01) B29C 63/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FORMING A WINDING STRUCTURE**
[54] **SYSTEMES ET PROCEDES POUR FORMER UNE STRUCTURE D'ENROULEMENT**
[72] HANNULA, DANIEL B., US
[72] JANES, CODY J., US
[72] PHILPOT, RANDALL J., US
[72] SUDBURY, CARLTON J., US
[71] ADVANCED COMPOSITES, INC., US
[85] 2020-09-03
[86] 2019-03-08 (PCT/US2019/021404)
[87] (WO2019/173745)
[30] US (15/917,407) 2018-03-09
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[13] A1
[51] **Int.Cl. C08L 23/24 (2006.01) C08L 23/30 (2006.01)**
[25] EN
[54] **WAX COMPOSITION COMPRISING LINEAR HYDROCARBONS, BRANCHED HYDROCARBONS AND OXIDIZED HYDROCARBONS, AQUEOUS DISPERSION THEREOF, METHOD TO PRODUCE SUCH WAX COMPOSITION AND DISPERSION AND USE THEREOF AS CARNAUBA WAX REPLACEMENT**
[54] **COMPOSITION DE CIRE COMPRENANT DES HYDROCARBURES LINEAIRES, DES HYDROCARBURES RAMIFIES ET DES HYDROCARBURES OXYDES, LEUR DISPERSION AQUEUSE, PROCEDE DE PRODUCTION D'UNE TELLE COMPOSITION ET DISPERSION DE CIRE ET SON UTILISATION EN REMPLACEMENT DE LA CIRE DE CARNAUBA**
[72] MEYER, GERNOT, DE
[72] BEHRMANN, INGO, DE
[71] SASOL WAX GMBH, DE
[85] 2020-10-05
[86] 2019-05-24 (PCT/EP2019/063549)
[87] (WO2019/224389)
[30] EP (18174386.5) 2018-05-25

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[51] **Int.Cl. A61L 15/32 (2006.01) A61L 15/44 (2006.01) A61L 15/64 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A HAEMOSTATIC COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION HEMOSTATIQUE**
[72] HAMMERSHOJ, PETER LUND, DK
[72] LARSEN, KRISTIAN, DK
[72] JOHNS, DOUGLAS B., US
[72] SMITH, NICOLE, US
[72] CARDINALE, MICHAEL, US
[72] FERRARA, GABRIELLA, US
[72] ZHANG, GUANGHUI, US
[71] FERROSAN MEDICAL DEVICES A/S, DK
[71] ETHICON INC., US
[85] 2020-10-20
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[51] **Int.Cl. A47J 31/41 (2006.01) A47J 43/12 (2006.01)**
[25] EN
[54] **MILK DELIVERY DEVICE FOR A FULLY AUTOMATIC COFFEE MACHINE AND CORRESPONDING METHOD**
[54] **DISPOSITIF DE DISTRIBUTION DE LAIT POUR MACHINE A CAFE COMPLETEMENT AUTOMATIQUE ET SON PROCEDE**
[72] KLEPZIG, SANDRO, CH
[71] JURA ELEKTROAPPARATE AG, CH
[85] 2020-12-08
[86] 2020-02-14 (PCT/EP2020/053972)
[87] (3101990)
[30] EP (19193186.4) 2019-08-22

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[51] **Int.Cl. A61B 10/02 (2006.01) A61B 17/42 (2006.01)**
[25] EN
[54] **BIOLOGICAL SAMPLE COLLECTION DEVICE AND METHOD OF USING SAME**
[54] **DISPOSITIF DE COLLECTE D'ECHANTILLONS BIOLOGIQUES ET METHODE D'UTILISATION**
[72] GILBERT, LUCY, CA
[72] MONGRAIN, ROSAIRE, CA
[72] GALAZ, RAMSES, MX
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2020-12-09
[86] 2020-08-14 (PCT/IB2020/057686)
[87] (3102147)

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[54] **NOVEL ANTI-CD39 ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-CD39**
[72] QIU, YANGSHENG, CN
[72] SUN, MEILING, CN
[72] XING, ROUMEI, CN
[72] XU, DAN, CN
[72] SHI, YUFEI, CN
[72] ZHAO, JINFENG, CN
[72] DU, QINGLIN, CN
[72] WU, ZHIHAO, CN
[72] GAO, RUI, CN
[72] ARCH, ROBERT H., CN
[72] LU, HONGTAO, CN
[71] ELPISCIENCE (SUZHOU) BIOPHARMA, LTD., CN
[71] ELPISCIENCE BIOPHARMA, LTD., CN
[85] 2020-12-10
[86] 2020-08-26 (PCT/CN2020/111219)
[87] (3102329)
[30] CN (PCT/CN2019/102778) 2019-08-27
[30] CN (202010842863.9) 2020-08-20

[21] **3,102,860**
[13] A1
[25] EN
[54] **PHOTOGRAPHY-BASED 3D MODELING SYSTEM AND METHOD, AND AUTOMATIC 3D MODELING APPARATUS AND METHOD**
[54] **SYSTEME ET METHODE DE MODELISATION 3D UTILISANT LA PHOTOGRAPHIE ET APPAREIL ET METHODE DE MODELISATION 3D AUTOMATIQUE**
[72] ZHAO, MING, CN
[72] XIANG, ZHONGZHENG, CN
[72] CAI, PEI, CN
[71] SHANG HAI YIWO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-12-15
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[51] **Int.Cl. C11B 3/00 (2006.01)**
[25] EN
[54] **METHODS OF REFINING A GRAIN OIL COMPOSITION FEEDSTOCK, AND RELATED SYSTEMS, COMPOSITIONS AND USES**
[54] **PROCEDES DE RAFFINAGE D'UNE MATIERE PREMIERE DE COMPOSITION D'HUILE D'OLEAGINEUX, ET SYSTEMES, COMPOSITIONS ET UTILISATIONS ASSOCIES**
[72] URBAN, SHANNON S., US
[72] SARKS, CORY J., US
[72] FLITTIE, BRETT A., US
[72] MILBRANDT, JACOB A., US
[72] BLY, STEVE T., US
[72] MCCURDY, ALEX T., US
[71] POET RESEARCH, INC., US
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[30] US (62/683,347) 2018-06-11
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[51] **Int.Cl. E06B 3/22 (2006.01)**
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[54] **ADHESIVE JOINING AND REINFORCEMENT OF GLASS PACKETS IN SASH PROFILES**
[54] **COLLAGE ET RENFORCEMENT DE PAQUETS DE VERRE DANS DES PROFILES D'OUVRANT**
[72] BROCKMULLER, KAY, DE
[72] DICK, MATTHIAS, CH
[71] BASF SE, DE
[71] SIKA TECHNOLOGY AG, CH
[85] 2020-12-17
[86] 2019-08-05 (PCT/EP2019/071038)
[87] (WO2020/030601)
[30] EP (18188303.4) 2018-08-09

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[51] **Int.Cl. B31C 3/00 (2006.01) D21H 19/20 (2006.01) D21H 19/32 (2006.01)**
[25] EN
[54] **PROTECTIVE BARRIER COATING AND INK**
[54] **REVETEMENT ET ENCRE DE BARRIERE DE PROTECTION**
[72] LINTZ, AARON EDWARD, US
[72] ROSARIO, ISMAEL ANTONIO HERNANDEZ, US
[72] KELLEY, KEVIN MANLY, US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2020-11-27
[86] 2019-05-21 (PCT/US2019/033273)
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[30] US (62/677,282) 2018-05-29

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01)**
[25] EN
[54] **SUPPRESSING FALSE POSITIVES (TYPE I ERROR) DURING ANALYSIS OF SAMPLE BIOLOGICAL MATERIALS**
[54] **PRODUIT COMPRENANT DES FRAGMENTS DE ROUES EN ALLIAGE D'ALUMINIUM RECYCLES, SUPPLEMENT D'ALLIAGE ET METHODES ET SYSTEME DE PRODUCTION**
[72] MCARTHUR, ANDREW, CA
[72] WRIGHT, GERARD, CA
[72] GUITOR, ALLISON, CA
[72] SURETTE, MICHAEL G., CA
[72] POINAR, HENDRIK, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2021-01-26
[86] 2020-08-21 (PCT/CA2020/051142)
[87] (3107221)
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[51] **Int.Cl. B09B 3/00 (2006.01)**
[25] EN
[54] **PRODUCT COMPRISING RECYCLED ALUMINUM ALLOY WHEEL FRAGMENTS AND AN ALLOYING SUPPLEMENT, AND METHODS AND SYSTEM FOR PRODUCING SAME**
[54] **PRODUIT COMPRENANT DES FRAGMENTS DE ROUES EN ALLIAGE D'ALUMINIUM RECYCLES, SUPPLEMENT D'ALLIAGE ET METHODES ET SYSTEME DE PRODUCTION**
[72] DANIEL BITTON, CA
[71] HOUSE OF METALS COMPANY LIMITED, CA
[85] 2021-02-10
[86] 2020-07-31 (PCT/CA2020/051052)
[87] (3107439)
[30] US (62/883,742) 2019-08-07
[30] US (62/946,119) 2019-12-10

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[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] FR
[54] **ALLOY FOR FIBER-FORMING PLATE**
[54] **ALLIAGE POUR ASSIETTE DE FIBRAGE**
[72] HERICHER, LUDOVIC, FR
[72] LABARTHE, JACQUES, FR
[72] CONDOLF, CYRIL, FR
[71] SAINT-GOBAIN ISOVER, FR
[71] SAINT-GOBAIN SEVA, FR
[85] 2021-02-05
[86] 2019-09-10 (PCT/FR2019/052091)
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[51] **Int.Cl. B60D 1/60 (2006.01) B62D 53/08 (2006.01)**
[25] EN
[54] **DUST CAP ASSEMBLY AND DUST CAP DEVICE FOR THIS ASSEMBLY**
[54] **ASSEMBLAGE DE COUVERCLE DE PROTECTION AINSI QUE DISPOSITIF DE COUVERCLE DE PROTECTION POUR CET ASSEMBLAGE**
[72] METTERNICH, HEINZ-RUDIGER, DE
[71] HAMBURGER PATENT SCHMIEDE GMBH, DE
[85] 2021-02-05
[86] 2019-08-05 (PCT/DE2019/100708)
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[30] DE (20 2018 104 542.3) 2018-08-07

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[51] **Int.Cl. C07K 7/06 (2006.01) A61K 8/64 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 9/107 (2006.01) A61K 47/10 (2017.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL FOR THE TREATMENT AND/OR CARE OF THE SKIN, HAIR, NAILS AND/OR MUCOUS MEMBRANES**
[54] **COMPOSES UTILES DANS LE TRAITEMENT ET/OU LES SOINS DE LA PEAU, DES CHEVEUX, DES ONGLES ET/OU DES MEMBRANES MUQUEUSES**
[72] DELGADO, RAQUEL, ES
[72] ALMINANA, NURIA, ES
[72] SOLEY, ALBERT, ES
[72] LIDON, MARIA DEL CARMEN, ES
[72] RODRIGUEZ, CATALINA, ES
[72] MOLA, GEMMA, ES
[72] VALERIO, MAURICIO, ES
[72] GARCIA, CONSUELO, ES
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2021-02-05
[86] 2019-08-09 (PCT/IB2019/056796)
[87] (WO2020/031146)
[30] EP (18382605.6) 2018-08-10

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] OKAMURA, MASAYA, JP
[72] HARADA, HIROKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2021-02-05
[86] 2018-08-10 (PCT/JP2018/030151)
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[51] **Int.Cl. H01R 13/52 (2006.01) H01R 13/10 (2006.01) H01R 13/44 (2006.01) H01R 13/713 (2006.01)**
[25] EN
[54] **SAFETY OUTLET**
[54] **PRISE ELECTRIQUE DE SECURITE**
[72] LEE, JONG HO, KR
[71] LEE, JONG HO, KR
[85] 2021-02-05
[86] 2019-11-05 (PCT/KR2019/014927)
[87] (WO2020/096327)
[30] KR (10-2018-0135188) 2018-11-06
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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01) A61K 31/409 (2006.01) A61K 51/04 (2006.01)**
[25] EN
[54] **COMPOSITION OF A BILIRUBIN STOCK AND A METHOD OF PREPARATION THEREOF**
[54] **COMPOSITION D'UNE MATIERE PREMIERE DE BILIRUBINE ET SON PROCEDE DE PREPARATION**
[72] GALGALKAR, SUDIPA, IN
[72] CHAKRABORTY, ISHITA, IN
[72] MS, RAGAVENDAR, IN
[72] LEDDEN, DAVID, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-02-05
[86] 2019-07-31 (PCT/US2019/044359)
[87] (WO2020/033200)
[30] US (62/716,557) 2018-08-09

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[51] **Int.Cl. G01N 1/40 (2006.01) G01N 1/00 (2006.01) G01N 15/06 (2006.01) G01N 21/27 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION OF ANALYTES IN A SAMPLE**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER LA CONCENTRATION D'ANALYTES DANS UN ECHANTILLON**
[72] MS, RAGAVENDAR, IN
[72] AZHAR, MOHIUDEEN, IN
[72] MEHTA, KALPESH, IN
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-02-05
[86] 2019-07-31 (PCT/US2019/044375)
[87] (WO2020/033203)
[30] US (62/716,441) 2018-08-09

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[51] **Int.Cl. C07K 14/55 (2006.01)**
[25] EN
[54] **IL-2 RECEPTOR BINDING COMPOUNDS**
[54] **COMPOSES SE LIANT AU RECEPTEUR DE IL-2**
[72] DOWER, WILLIAM J., US
[72] NEEDELS, MICHAEL C., US
[72] BARRETT, RONALD W., US
[72] BAKKER, ALICE V., US
[72] CWIRLA, STEVEN E., US
[71] MEDIKINE, INC., US
[85] 2021-02-05
[86] 2019-08-05 (PCT/US2019/045109)
[87] (WO2020/033312)
[30] US (62/715,097) 2018-08-06
[30] US (62/785,754) 2018-12-28

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[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/439 (2006.01) A61K 31/454 (2006.01) A61P 1/06 (2006.01) A61P 19/02 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **SUBSTITUTED BENZIMIDAZOLES AS PAD4 INHIBITORS**
[54] **BENZIMIDAZOLES SUBSTITUES EN TANT QU'INHIBITEURS DE PAD4**
[72] GARDNER, DANIEL S., US
[72] DUNCIA, JOHN V., US
[72] SANTELLA, JOSEPH B., US
[72] NGU, KHEHYONG, US
[72] ANNUNZIATO, CHRISTOPHER, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2021-02-05
[86] 2019-08-07 (PCT/US2019/045424)
[87] (WO2020/033488)
[30] US (62/715,858) 2018-08-08

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[51] **Int.Cl. H01R 31/06 (2006.01) H01R 4/2437 (2018.01) B01D 27/00 (2006.01) B01D 35/00 (2006.01) C02F 1/00 (2006.01) C02F 1/28 (2006.01) H01R 13/24 (2006.01) H01R 13/46 (2006.01) H01R 13/645 (2006.01) H01R 12/71 (2011.01)**
[25] EN
[54] **WATER FILTER AUTHENTICATION SYSTEM**
[54] **SYSTEME D'AUTHENTIFICATION DE FILTRE A EAU**
[72] MCCOLLOUGH, THOMAS W., US
[72] ANNISS III, WILLIAM THOMAS, US
[72] GRANT, WILLARD, US
[72] BARRIOS, RAONY, US
[72] SMALL, WILLIAM L., US
[72] MACHADO, MARCELLO CORREA, US
[72] ROUSEY, CHRISTOPHER STEPHAN, US
[72] BRANDT, KEN, US
[72] CANDEO, MARCELO C., US
[72] SUBRAMANIAN, RAMESH, US
[72] ASTLE, ROBERT, US
[72] LAURI III, GEORGE NICHOLAS, US
[72] YI, CHONG HUN, US
[72] WEAVER, BRIAN KEITH, US
[72] MOYER II, WILLIAM JAMES, US
[72] SKOVIRA, RONALD, US
[72] ALTEMOSE, GARY, US
[72] EMENHEISER, RICHARD BENJAMIN, US
[71] ELECTROLUX HOME PRODUCTS, INC., US
[85] 2021-02-05
[86] 2019-09-13 (PCT/US2019/051076)
[87] (WO2020/056305)
[30] US (62/730,787) 2018-09-13
[30] US (16/566,931) 2019-09-11

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[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) A01G 7/00 (2006.01)**
[25] EN
[54] **SUBFIELD MOISTURE MODEL IMPROVEMENT USING OVERLAND FLOW MODELING WITH SHALLOW WATER COMPUTATIONS**
[54] **AMELIORATION DE MODELES D'HUMIDITE DE SOUS-CHAMP PAR MODELISATION D'ECOULEMENT TERRESTRE A L'AIDE DE CALCULS D'EAU PEU PROFONDE**
[72] NIZAMI, ASRA, US
[72] HOLT, JENNIFER, US
[72] EWING, ROBERT, US
[72] DE GRYZE, STEVEN, US
[72] GATES, JOHN B., US
[72] SANGIREDDY, HARISH, US
[72] BURDICK, JACK BROWNING, US
[72] BYRNS, MICHAEL S., US
[71] THE CLIMATE CORPORATION, US
[85] 2021-02-05
[86] 2019-08-29 (PCT/US2019/048784)
[87] (WO2020/047240)
[30] US (62/725,884) 2018-08-31

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[51] **Int.Cl. B65B 43/42 (2006.01) B65B 59/00 (2006.01)**
[25] EN
[54] **AUTO-FEED ASSEMBLY FOR MODULAR FILLING SYSTEMS**
[54] **ENSEMBLE D'ALIMENTATION AUTOMATIQUE DESTINE A DES SYSTEMES DE REMPLISSAGE MODULAIRES**
[72] WOODHOUSE, JOHN, US
[72] HILDEBRAND, JOHN J., US
[71] LIQUI-BOX CORPORATION, US
[85] 2021-02-05
[86] 2019-10-03 (PCT/US2019/054455)
[87] (WO2020/072753)
[30] US (62/740,540) 2018-10-03
[30] US (62/740,594) 2018-10-03

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[51] **Int.Cl. A23L 2/02 (2006.01) A23L 2/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR REDUCING SUGAR CONTENT IN JUICES**
[54] **COMPOSITIONS ET PROCEDES POUR REDUIRE LA TENEUR EN SUCRE DANS DES JUS**
[72] RIVERA, TEODORO, US
[72] HANDRICK, LISA, US
[72] MCLEAN, KYLE, US
[72] PARCON, JASON CASUGA, US
[72] CARDER, GARY D., US
[71] TROPICANA PRODUCTS, INC., US
[85] 2021-02-05
[86] 2019-09-20 (PCT/US2019/052150)
[87] (WO2020/068581)
[30] US (62/736,315) 2018-09-25

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[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CRYPTOGRAPHIC AUTHENTICATION OF CONTACTLESS CARDS**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION CRYPTOGRAPHIQUE DE CARTES SANS CONTACT**
[72] OSBORN, KEVIN, US
[72] ASHFIELD, JAMES, US
[72] CHIGURUPATI, SRINIVASA, US
[72] RULE, JEFFREY, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2021-02-05
[86] 2019-10-02 (PCT/US2019/054186)
[87] (WO2020/072575)
[30] US (62/740,352) 2018-10-02
[30] US (16/205,119) 2018-11-29
[30] US (16/590,429) 2019-10-02

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[13] A1
[51] **Int.Cl. G01B 17/02 (2006.01) G01N 29/04 (2006.01) G01N 29/22 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MONITORING A THICKNESS OF ONE OR MORE ASSETS USING AN ULTRASONIC MEASUREMENT SYSTEM, A MULTIPLEXER SWITCH MODULE AND A TWO-CONDUCTOR CONNECTION, AND A METHOD OF PERFORMING THE SAME**
[54] **SYSTEME POUR SURVEILLER L'EPAISSEUR D'UN OU DE PLUSIEURS BIEN(S) A L'AIDE D'UN SYSTEME DE MESURE ULTRASONORE, D'UN MODULE DE COMMUTATION DE MULTIPLEXEUR ET D'UNE CONNEXION A DEUXCONDUCTEURS, ET PROCEDE DE MISE EN OEUVRE ASSOCIE**
[72] KLOZA, MARIUSZ, US
[72] VELARDE, RAY, US
[72] CHERNYSHOV, ALEXANDER S., US
[71] MOLEX, LLC, US
[85] 2021-02-07
[86] 2019-09-24 (PCT/US2019/052526)
[87] (WO2020/068710)
[30] US (62/735,564) 2018-09-24
[30] US (PCT/US2019/023613) 2019-03-22

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[13] A1
[51] **Int.Cl. E03C 1/06 (2006.01)**
[25] EN
[54] **SHOWER HOSE MANAGEMENT**
[54] **GESTION DE TUYAU DE DOUCHE**
[72] DOWNEY, DAVID, US
[71] SPECTRUM BRANDS,. INC., US
[85] 2021-02-05
[86] 2019-09-30 (PCT/US2019/053834)
[87] (WO2020/072368)
[30] US (62/740,241) 2018-10-02

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[13] A1
[51] **Int.Cl. E05B 15/00 (2006.01) E05B 63/00 (2006.01) E05B 65/00 (2006.01) E05C 3/00 (2006.01) E05C 7/00 (2006.01) E05C 21/00 (2006.01)**
[25] EN
[54] **TRUE INDICATING AUTOMATED SASH LOCK**
[54] **VERROU DE CHASSIS AUTOMATISE A INDICATION REELLE**
[72] FULLENWIDER, MARC WESLEY, US
[72] DURHAM, STEPHEN ANDREW, US
[71] INTERLOCK USA, INC., US
[85] 2021-02-05
[86] 2019-09-12 (PCT/US2019/050847)
[87] (WO2020/056159)
[30] US (62/730,044) 2018-09-12
[30] US (16/569,184) 2019-09-12

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[13] A1
[51] **Int.Cl. A61L 27/36 (2006.01) B01L 1/04 (2006.01) C12M 1/00 (2006.01) C12M 1/36 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **AUTOMATED PROCESS FOR THE TREATMENT OF A BIOLOGICAL TISSUE TO PRODUCE A TISSUE MATRIX**
[54] **PROCEDE AUTOMATISE DE TRAITEMENT D'UN TISSU BIOLOGIQUE POUR PRODUIRE UNE MATRICE TISSULAIRE**
[72] DUFRANE, DENIS, BE
[71] THERACELL CONSULTING SPRL, BE
[85] 2021-02-08
[86] 2018-08-23 (PCT/EP2018/072741)
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[13] A1
[51] **Int.Cl. C07C 271/22 (2006.01) C07K 1/00 (2006.01) C07K 1/04 (2006.01) C07K 1/06 (2006.01) C07K 1/107 (2006.01) C07K 1/13 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **CLEAVABLE LINKER FOR PEPTIDE SYNTHESIS**
[54] **LIEUR CLIVABLE POUR LA SYNTHESE DE PEPTIDES**
[72] BERGMANN, FRANK, DE
[72] LOIBL, SIMON FERDINAND, DE
[72] POMPLUN, SEBASTIAN JOHANNES, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-02-08
[86] 2019-08-07 (PCT/EP2019/071161)
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[30] EP (18188135.0) 2018-08-09

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[13] A1
[51] **Int.Cl. A61G 7/012 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01) A47C 19/02 (2006.01) A47C 19/04 (2006.01) A61G 7/08 (2006.01)**
[25] FR
[54] **MEDICAL OR NON-MEDICAL VARIABLE-HEIGHT DOUBLE BED MADE UP OF TWO PARTS JOINED TOGETHER**
[54] **LIT DOUBLE A HAUTEUR VARIABLE, MEDICALISE OU NON, CONSTITUE DE DEUX PARTIES ASSUJETTIES**
[72] JUDE, PATRICK, FR
[71] HOME MEDICAL SERVICE H.M.S., FR
[85] 2021-02-08
[86] 2019-08-12 (PCT/EP2019/071534)
[87] (WO2020/035430)
[30] FR (1857500) 2018-08-14

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[13] A1
[51] **Int.Cl. A61G 7/002 (2006.01) A61G 7/012 (2006.01) A61G 7/08 (2006.01)**
[25] FR
[54] **DEMOUNTABLE BED TRANSPORT TROLLEY**
[54] **CHARIOT DE TRANSPORT DE LIT DEMONTABLE**
[72] JUDE, PATRICK, FR
[71] HOME MEDICAL SERVICE H.M.S., FR
[85] 2021-02-08
[86] 2019-08-12 (PCT/EP2019/071535)
[87] (WO2020/035431)
[30] FR (1857501) 2018-08-14

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[13] A1
[51] **Int.Cl. A41D 13/018 (2006.01) A41D 13/05 (2006.01)**
[25] FR
[54] **IMPROVED PROTECTIVE GARMENT WITH AIRBAGS**
[54] **VETEMENT DE PROTECTION A COUSSINS GONFLABLES AMELIORE**
[72] BOUQUILLARD DE MILLERET, XAVIER, FR
[71] JEX INVESTMENTS, FR
[85] 2021-02-08
[86] 2018-09-10 (PCT/FR2018/052202)
[87] (WO2019/048800)
[30] FR (17 58334) 2017-09-11

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[51] **Int.Cl. A23K 20/189 (2016.01) A61K 38/47 (2006.01) A61P 1/14 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **ANIMAL FEED COMPOSITION AND USE THEREOF**
[54] **COMPOSITION D'ALIMENT POUR ANIMAUX ET SON UTILISATION**
[72] AURELI, RAFFAELLA, CH
[72] CARDOSO BITTENCOURT, LETICIA, CH
[72] LOPEZ-ULIBARRI, RUAL, CH
[72] PEREZ CALVO, ESTEFANIA, CH
[71] DSM IP ASSETS B.V., NL
[71] NOVOZYMES A/S, DK
[85] 2021-02-08
[86] 2019-09-11 (PCT/EP2019/074221)
[87] (WO2020/053273)
[30] EP (18193727.7) 2018-09-11

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[13] A1
[51] **Int.Cl. A23K 20/189 (2016.01) A23K 20/195 (2016.01) C12N 9/36 (2006.01)**
[25] EN
[54] **ANIMAL FEED COMPOSITION AND USE THEREOF**
[54] **COMPOSITION D'ALIMENT POUR ANIMAUX ET SON UTILISATION**
[72] AMERI, JAVIER, ALEJANDRO, CH
[72] CARDOSO BITTENCOURT, LETICIA, CH
[72] HIDALGO, MARCELO, CH
[72] LOPEZ-ULIBARRI, RUAL, CH
[72] MAKHIJA, VIJAY, CH
[72] PEREZ CALVO, ESTEFANIA, CH
[72] VALIENTES, ROLANDO, CH
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[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] SHANNON, JONATHAN, GB
[72] CARRILLO ARREGUI, JOKIN, GB
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[54] **POLYPEPTIDES CHIMERES A CHAINES MULTIPLES ET LEURS UTILISATIONS**
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[54] **SYSTEMES ET PROCEDES DE PERFORATION PAR PROJECTILE**
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[54] **MACHINE INTEGREE D'EVALUATION BIOLOGIQUE ET D'ANALYSE CHIMIQUE ENTIEREMENT AUTOMATIQUE ET SON PROCEDE**
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[72] MA, QIANCHI, CN
[72] LIU, YANNA, CN
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[54] **COMPOSITIONS DE NETTOYAGE SOLIDES ET PROCEDES POUR CELLES-CI**
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[72] CHENG, SHUJIANG, US
[72] NWOSISI, JULIANA, US
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[54] **PROCEDE DE FABRICATION D'UN PRODUIT EN PLAQUE D'ALLIAGE D'ALUMINIUM DE LA SERIE 2XXX AYANT UNE RESISTANCE AMELIOREE A LA RUPTURE PAR FATIGUE**
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[72] SPANGEL, SABINE MARIA, DE
[72] MEYER, PHILIPPE, DE
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[54] **FORMULATION DE CAPTEUR COLORIMETRIQUE ET SON UTILISATION**
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[72] COMBY, STEVE, IR
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[54] **SYSTEME ET PROCEDE DE REDUCTION DU BRUIT ET/OU DES VIBRATIONS DANS UN APPAREIL DE NETTOYAGE DOTE D'UNE UNITE DE PEIGNAGE POUR ELIMINER DES DEBRIS**
[72] FREESE, JOHN, US
[72] SMITH, TYLER S., US
[72] GAO, WENXIU, CN
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[72] SARDAR, NICHOLAS, GB
[71] SHARKNINJA OPERATING LLC, US
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[54] **MUTANT XYLR DESTINE A UNE UTILISATION AMELIOREE DE XYLOSE OU A UNE CO-UTILISATION AMELIOREE DE GLUCOSE ET DE XYLOSE**
[72] PAYNE, STEPHEN THOMAS, US
[72] FRYKMAN, SCOTT ALLEN, US
[72] DA COSTA, BERNARDO MOURA TORRES, US
[72] CALLIHAN, ISOLDE, US
[72] VENKITESWARAN, SANKARANARAYANAN, US
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[54] **TELOMERASE HOLOENZYME COMPLEX AND METHODS OF USE THEREOF**
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[72] GHOSH, SUPURNA, US
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[54] **SYSTEMES ET PROCEDES POUR ELECTROPHORESE CAPILLAIRE D'AFFINITE**
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[72] FISCHER, DAVID JOHN, US
[72] MICHELS, DAVID A., US
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[72] SOLEM, JAN OTTO, SE
[72] ENGVALL, DANIEL, SE
[72] KRUGER, VICTORIA, SE
[72] WOLFF, MARTIN, SE
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[54] **DISPOSITIFS INTRAVAGINAUX D'INSEMINATION NATURELLE AMELIOREE ET SYSTEMES ET PROCEDES ASSOCIES**
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[72] DEUSE, TOBIAS, US
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[54] **COMPOSITION ET PROCEDE DE RUPTURE DE POLYMERE REDUISANT LE FROTTEMENT POUR FLUIDES DE PUITS**
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[72] MADRID, VANESSA, US
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[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR DES MISES A NIVEAU NON PERTURBATRICES D'UN MOTEUR DE COORDINATION DISTRIBUE DANS UN ENVIRONNEMENT INFORMATIQUE DISTRIBUE**
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[54] **SYSTEMES ET PROCEDES D'EXTRACTION DE GAZ DE DECHARGE**
[72] QUIGLEY, PETER, US
[72] MARTIN, IAN, US
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[25] EN
[54] **GENETICALLY ENCODED POLYPEPTIDE FOR AFFINITY CAPTURE AND PURIFICATION OF BIOLOGICS**
[54] **POLYPEPTIDE GENETIQUEMENT CODE POUR LA CAPTURE ET LA PURIFICATION PAR AFFINITE DE PRODUITS BIOLOGIQUES**
[72] LUGINBUHL, KELLI M., US
[72] CHILKOTI, ASHUTOSH, US
[71] ISOLERE BIO, INC., US
[85] 2021-02-04
[86] 2019-08-15 (PCT/US2019/046607)
[87] (WO2020/037100)
[30] US (62/764,833) 2018-08-16

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[51] **Int.Cl. C12N 9/22 (2006.01) A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR GENOME ENGINEERING WITH CAS12A PROTEINS**
[54] **COMPOSITIONS ET PROCEDES DE MODIFICATION DU GENOME AVEC DES PROTEINES CAS12A**
[72] CHOE, SUNGHWA, KR
[72] PARK, JONGJIN, KP
[72] YOON, JIYOUNG, KR
[72] KIM, HAN SEONG, KR
[72] KIM, DONG WOOK, KR
[71] G+FLAS LIFE SCIENCES, KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[85] 2021-02-08
[86] 2019-08-09 (PCT/IB2019/000946)
[87] (WO2020/030984)
[30] KR (10-2018-0093336) 2018-08-09
[30] US (62/752,950) 2018-10-30

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[25] EN
[54] **A PROCESS FOR RECOVERING METALS FROM RECYCLED RECHARGEABLE BATTERIES**
[54] **PROCEDE DE RECUPERATION DE METAUX A PARTIR DE BATTERIES RECHARGEABLES RECYCLEES**
[72] PRESS FRIMET, OR, IL
[72] MASARWA, MOHAMAD, IL
[72] ENGLERT, YANIV, IL
[72] BARNEA, EYAL, IL
[71] BROMINE COMPOUNDS LTD., IL
[85] 2021-02-08
[86] 2019-08-04 (PCT/IL2019/050882)
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[30] US (62/716,388) 2018-08-09

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[13] A1
[51] **Int.Cl. C07D 239/47 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURE OF (S)-N-(3-((2-((4-((1-ACETYLPYRROLIDIN-3-YL)(METHYL)AMINO)PHENYL)AMINO)-5-METHOXYPYRIMIDIN-4-YL)OXY) PHENYL)ACRYLAMIDE, AND FORMULATIONS THEREOF**
[54] **PROCEDE DE FABRICATION DE (S)-N-(3-((2- ((4-((1-ACETYLPYRROLIDIN-3-YL)(METHYL)AMINO)PHENYL)AMINO)-5-METHOXYPYRIMIDIN-4-YL)OXY) PHENYL)ACRYLAMIDE, ET FORMULATIONS ASSOCIEES**
[72] MAO, LONG, US
[72] LIU, JIA, US
[72] CHEN, YILE, CN
[72] HUA, YUNING, CN
[72] DONG, KUNHUA, CN
[72] CHEN, LIANG, CN
[72] WENG, BOJIE, CN
[72] MO, XIAOPENG, CN
[72] DAI, KONGEN, CN
[72] BAO, YIMEI, CN
[72] WU, JIAN, CN
[72] LIANG, BIN, CN
[72] ZHOU, GUANGLIN, CN
[72] WANG, ZHEN, CN
[71] ACEA THERAPEUTICS, INC., US
[71] HANGZHOU ACEA PHARMACEUTICAL RESEARCH CO., LTD., CN
[71] ZHEJIANG ACEA PHARMACEUTICALS CO., LTD., CN
[85] 2021-02-05
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[51] **Int.Cl. A61F 7/12 (2006.01) A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61F 7/00 (2006.01) A61L 29/18 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE AND TEMPERATURE SENSING DEVICE AND METHOD OF USE**
[54] **DISPOSITIF D'ECHANGE DE CHALEUR ET DE DETECTION DE TEMPERATURE ET PROCEDE D'UTILISATION**
[72] HARTLEY, AMANDA, CA
[72] DAVIES, GARETH, CA
[72] CENTAZZO-COLELLA, AMANDA, CA
[72] YANG, NOAH NUOXU, CA
[72] AVARI, HAMED, CA
[72] AL-SAFFAR, YASIR, CA
[72] SHAH, KISHAN, CA
[72] HERBERT-COPLEY, ANDREW, CA
[72] WIERZBICKI, RAMUNAS, CA
[72] GERBER, DMITRY, CA
[72] MOK, DANIEL WING FAI, CA
[72] DELL, TREVOR JAMES, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2021-02-08
[86] 2019-02-13 (PCT/IB2019/051168)
[87] (WO2020/030985)
[30] IB (PCT/IB2018/056059) 2018-08-10

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[51] **Int.Cl. G06T 15/00 (2011.01)**
[25] EN
[54] **HYBRID MESHING METHOD FOR FINITE ELEMENT ANALYSIS**
[54] **PROCEDE D'ENGRENEMENT HYBRIDE POUR ANALYSE D'ELEMENTS FINIS**
[72] MCCLENNAN, SCOTT, US
[72] HARVEY, GERALD, US
[72] CARCIONE, LAURA, US
[72] BROICHHAUSEN, HEIKE, US
[72] DIESTELHORST, RYAN, US
[71] ONSCALE, INC., US
[85] 2021-02-08
[86] 2019-08-09 (PCT/US2019/045842)
[87] (WO2020/033792)
[30] US (62/717,226) 2018-08-10

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[51] **Int.Cl. A23L 2/78 (2006.01) B01J 41/00 (2006.01) C02F 1/42 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DEACIDIFICATION OF FLUIDS**
[54] **SYSTEMES ET PROCEDES PERMETTANT LA DESACIDIFICATION DE FLUIDES**
[72] BAUDOUIN, STANISLAS, FR
[72] REYNAUD, ERIC, LU
[71] WEST INVEST SA, LU
[85] 2021-02-08
[86] 2019-05-22 (PCT/IB2019/054236)
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[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL D'UTILISATEUR ET PROCEDE DE RADIOCOMMUNICATION**
[72] YOSHIOKA, SHOHEI, JP
[72] MATSUMURA, YUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2021-02-05
[86] 2018-08-10 (PCT/JP2018/030150)
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[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **DIAGNOSTIC AND THERAPEUTIC METHODS FOR THE TREATMENT OF BREAST CANCER**
[54] **METHODES DIAGNOSTIQUES ET THERAPEUTIQUES POUR LE TRAITEMENT DU CANCER DU SEIN**
[72] DAEMEN, ANNELEEN, US
[72] METCALFE, CIARA, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-02-08
[86] 2019-08-16 (PCT/US2019/046814)
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[51] **Int.Cl. C08G 65/36 (2006.01) B29C 44/34 (2006.01) B32B 5/18 (2006.01) C08G 65/40 (2006.01)**
[25] EN
[54] **POLYMERIC COMPOSITION, METHOD FOR PRODUCING A POLYMERIC COMPOSITION, SUBSTRATES COATED WITH A POLYMERIC COMPOSITION AND APPARATUS FOR COATING SUBSTRATES WITH A POLYMERIC COMPOSITION**
[54] **COMPOSITION POLYMERE, PROCEDE DE PRODUCTION D'UNE COMPOSITION POLYMERE, SUBSTRATS REVETUS D'UNE COMPOSITION POLYMERE ET APPAREIL DESTINE AU REVETEMENT DE SUBSTRATS PRESENTANT UNE COMPOSITION POLYMERE**
[72] MORGAN, RUSSEL BRYAN, NZ
[71] MORGAN, RUSSEL BRYAN, NZ
[85] 2021-02-08
[86] 2018-08-23 (PCT/IB2018/056388)
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[51] **Int.Cl. H04L 5/06 (2006.01) H04B 10/079 (2013.01) H04B 10/50 (2013.01) H04B 10/66 (2013.01) H04J 14/00 (2006.01) H04J 14/02 (2006.01)**
[25] EN
[54] **PSEUDO FREQUENCY DIVISION MULTIPLEXING**
[54] **PSEUDO-MULTIPLEXAGE PAR REPARTITION EN FREQUENCE**
[72] ROBERTS, KIM, CA
[72] OVEIS GHARAN, SHAHAB, CA
[72] REIMER, MICHAEL, CA
[72] SHINER, ANDREW, CA
[72] EBRAHIMZAD, HAMID, CA
[72] O'SULLIVAN, MAURICE, CA
[71] CIENA CORPORATION, US
[85] 2021-02-08
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[30] US (16/124,479) 2018-09-07

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[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/58 (2006.01) C08L 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR NITROGEN REMOVAL AND NITROGEN SALTS RECOVERY USING CARBOXYLATED CELLULOSE EXTRACTED BY NITRO-OXIDATION**
[54] **PROCEDE D'ELIMINATION D'AZOTE ET DE RECUPERATION DE SELS D'AZOTE A L'AIDE DE CELLULOSE CARBOXYLEE EXTRAITE PAR NITRO-OXYDATION**
[72] HSIAO, BENJAMIN S., US
[72] SHARMA, PRIYANKA, US
[72] SHARMA, SUNIL KUMAR, US
[72] JOHNSON, KEN I., US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[85] 2021-02-08
[86] 2019-08-28 (PCT/US2019/048603)
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[25] EN
[54] **EXPANDABLE DRUG DELIVERY PILL**
[54] **PILULE EXTENSIBLE POUR L'ADMINISTRATION DE MEDICAMENTS**
[72] GROSS, YOSSI, IL
[72] CABIRI, OZ, IL
[72] BEN-SHITRIT, LITAL, IL
[71] ALMA THERAPEUTICS LTD., IL
[85] 2021-02-08
[86] 2019-08-13 (PCT/IL2019/050906)
[87] (WO2020/035857)
[30] US (16/103,420) 2018-08-14

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[51] **Int.Cl. F27D 99/00 (2010.01) F23D 14/50 (2006.01)**
[25] EN
[54] **TAPERED PLUG BURNER CLEANING PORTS**
[54] **PORTS DE NETTOYAGE POUR BRULEUR CONIQUE**
[72] RAUCH, EDWIN L., US
[71] NOVELIS INC., US
[85] 2021-02-08
[86] 2019-10-16 (PCT/US2019/056470)
[87] (WO2020/086348)
[30] US (62/751,212) 2018-10-26

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[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01) H04R 27/00 (2006.01)**
[25] EN
[54] **AN AUDIO PROCESSOR AND A METHOD FOR PROVIDING LOUDSPEAKER SIGNALS**
[54] **PROCESSEUR AUDIO ET PROCEDE PERMETTANT DE FOURNIR DES SIGNAUX DE HAUT-PARLEUR**
[72] WALTHER, ANDREAS, DE
[72] HERRE, JURGEN, DE
[72] KLAPP, JULIAN, DE
[72] FALLER, CHRISTOF, CH
[72] SCHMIDT, MARKUS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-02-08
[86] 2019-08-08 (PCT/EP2019/071381)
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[30] EP (18188368.7) 2018-08-09
[30] EP (PCT/EP2019/053468) 2019-02-12

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[51] **Int.Cl. A61C 1/08 (2006.01) A61C 8/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR ZYGOMATIC IMPLANTATION AND METHOD**
[54] **APPAREIL D'IMPLANTATION ZYGOMATIQUE ET PROCEDE**
[72] SIEV, AHARON, IL
[72] SIEV, RAMI, IL
[71] NORIS MEDICAL LTD., IL
[85] 2021-02-08
[86] 2019-08-27 (PCT/IL2019/050956)
[87] (WO2020/044335)
[30] IL (261494) 2018-08-30

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[25] EN
[54] **VENTILATION AND AIR CONDITIONING SYSTEM**
[54] **SYSTEME DE VENTILATION ET DE CLIMATISATION**
[72] SASAKI, MASAYUKI, JP
[72] FUNADA, NAOYUKI, JP
[72] KONISHI, AYUMI, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2021-02-08
[86] 2019-08-07 (PCT/JP2019/031161)
[87] (WO2020/066320)
[30] JP (2018-181127) 2018-09-27

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[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ARGINASE INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE L'ARGINASE ET LEURS METHODES D'UTILISATION**
[72] WU, DEDONG, US
[71] ASTRAZENECA AB, SE
[85] 2021-02-08
[86] 2019-08-21 (PCT/EP2019/072341)
[87] (WO2020/038983)
[30] US (62/721,113) 2018-08-22

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[51] **Int.Cl. C12N 15/113 (2010.01) C12N 5/10 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **PROMOTER OF HSPA8 GENE**
[54] **PROMOTEUR POUR GENE H SPA 8**
[72] MASUDA, KENJI, JP
[72] NAKAZAWA, YUTO, JP
[72] WATANABE, KAZUHIKO, JP
[72] NISHIO, MAUI, JP
[72] OKUMURA, TAKESHI, JP
[72] NONAKA, KOICHI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2021-02-08
[86] 2019-08-08 (PCT/JP2019/031295)
[87] (WO2020/032153)
[30] JP (2018-149854) 2018-08-09

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[51] **Int.Cl. G06T 5/00 (2006.01) G06T 5/50 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PARASITIC HEAT COMPENSATION IN AN INFRARED CAMERA**
[54] **DISPOSITIF ET PROCEDE DE COMPENSATION DE LA CHALEUR PARASITE DANS UNE CAMERA INFRAROUGE**
[72] DURAND, ALAIN, FR
[72] BOUDOU, NICOLAS, FR
[71] LYNRED, FR
[85] 2020-12-03
[86] 2019-06-07 (PCT/EP2019/064936)
[87] (WO2019/234216)
[30] FR (1800586) 2018-06-08

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[51] **Int.Cl. C08L 97/00 (2006.01) C08H 7/00 (2011.01) C04B 24/04 (2006.01) C04B 24/18 (2006.01) C04B 24/20 (2006.01) C04B 28/02 (2006.01) C04B 28/14 (2006.01) C08K 5/09 (2006.01) C08K 5/42 (2006.01) C08L 71/00 (2006.01)**
[25] EN
[54] **COMPOSITION AND PRODUCTION METHOD OF SAME, AND DISPERSING AGENT**
[54] **COMPOSITION, PROCEDE POUR LA PRODUIRE, ET AGENT DE DISPERSION**
[72] NAKAMURA, AKIHIKO, JP
[72] TAKAHASHI, KANAE, JP
[72] NAKAMURA, TAKUMA, JP
[72] TAMURA, SUMIO, JP
[72] KANENAKA, TUBASA, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2021-02-08
[86] 2019-08-08 (PCT/JP2019/031511)
[87] (WO2020/032216)
[30] JP (2018-150844) 2018-08-09
[30] JP (2018-152860) 2018-08-15
[30] JP (2018-154157) 2018-08-20

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[13] A1
[51] **Int.Cl. C07D 209/82 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **FLUORO .BETA.-CARBOLINE COMPOUNDS**
[54] **COMPOSES S-CARBOLINE FLUORES**
[72] ELLIES, DEBRA, US
[72] KIMBALL, F. SCOTT, US
[72] YOUNG, ROBERT N., CA
[71] OSTEOQC INC., CA
[85] 2021-02-04
[86] 2019-08-13 (PCT/US2019/046415)
[87] (WO2020/037001)
[30] US (62/718,604) 2018-08-14

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **NOVEL CRISPR-ASSOCIATED PROTEIN AND USE THEREOF**
[54] **NOUVELLE PROTEINE ASSOCIEE AUX CRISPR ET UTILISATION DE CELLE-CI**
[72] CHOE, SUNGHWA, KR
[72] KIM, HAN SEONG, KR
[72] KIM, DONG WOOK, KR
[72] PARK, JONGJIN, KR
[72] YOON, JIYOUNG, KR
[71] G+FLAS LIFE SCIENCES, KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[85] 2021-02-08
[86] 2019-08-09 (PCT/KR2019/010110)
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[30] KR (10-2018-0093336) 2018-08-09

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[51] **Int.Cl. A61K 31/497 (2006.01) A01N 43/90 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **NOVEL MEDICAMENT FOR TREATING INFLAMMATORY BOWEL DISEASE**
[54] **NOUVEAU MEDICAMENT POUR LE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] SHIBUYA, ISAO, JP
[72] OKA, DAISUKE, JP
[72] FUJII, KAZUYUKI, JP
[72] TAKAGI, HIROKO, JP
[72] SATO, MASAYOSHI, JP
[72] NAKASHIMA, TAKAKO, JP
[72] IWATA, FUSAKO (DECEASED), JP
[72] MATSUMOTO, MAKOTO, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2021-02-08
[86] 2019-08-09 (PCT/JP2019/031753)
[87] (WO2020/036154)
[30] JP (2018-152424) 2018-08-13

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[51] **Int.Cl. C07D 307/82 (2006.01) C07D 309/10 (2006.01) C07D 493/04 (2006.01) C07H 7/06 (2006.01) C07H 15/04 (2006.01)**
[25] EN
[54] **PREPARATION OF INTERMEDIATE USEFUL FOR SYNTHESIS OF SGLT INHIBITOR**
[54] **PROCEDE DE PRODUCTION D'INTERMEDIAIRE UTILE POUR LA SYNTHESE D'UN INHIBITEUR DE SGLT**
[72] LI, QING RI, KR
[72] YOON, HEE KYOON, KR
[71] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2021-02-08
[86] 2019-08-09 (PCT/KR2019/010123)
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[30] KR (10-2018-0094261) 2018-08-13

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[51] **Int.Cl. A23L 2/60 (2006.01) A23L 33/125 (2016.01) A23L 33/15 (2016.01) A23L 33/20 (2016.01) A23L 2/58 (2006.01)**
[25] EN
[54] **NUTRITIONAL DRINK**
[54] **BOISSON NUTRITIONNELLE**
[72] HAN, TAE-CHUL, KR
[72] LIM, HYE JIN, KR
[72] KIM, BONG CHAN, KR
[72] KIM, YONG-IN, KR
[72] SEO, IL, KR
[72] LEE, SEUNG MI, KR
[71] SAMYANG CORPORATION, KR
[85] 2021-02-08
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[51] **Int.Cl. C12N 15/86 (2006.01) A61K 35/76 (2015.01)**
[25] EN
[54] **ONCOLYTIC VIRUS CARRYING E-CADHERIN AND USES THEREOF**
[54] **VIRUS ONCOLYTIQUE PORTANT UNE E-CADHERINE ET SES UTILISATIONS**
[72] YU, JIANHUA, US
[72] CALIGIURI, MICHAEL, US
[72] XU, BO, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[71] YU, JIANHUA, US
[71] CALIGIURI, MICHAEL, US
[71] XU, BO, US
[85] 2021-02-08
[86] 2018-08-09 (PCT/US2018/046064)
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[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **TONG CASSETTE POSITIONING DEVICE**
[54] **DISPOSITIF DE POSITIONNEMENT DE CASSETTE A PINCE**
[72] THIEMANN, BJOERN, DE
[72] FUEHRING, ERNST, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2021-02-08
[86] 2019-08-20 (PCT/US2019/047315)
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[30] US (16/109,222) 2018-08-22

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[54] **ALIGNING TWO PARTS OF A TUBULAR ASSEMBLY**
[54] **ALIGNEMENT DE DEUX PARTIES D'UN ENSEMBLE TUBULAIRE**
[72] STOKES, MATTHEW BRADLEY, US
[72] DIETZ, WESLEY PAUL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-02-08
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[51] **Int.Cl. G06N 5/00 (2006.01) G06N 20/00 (2019.01)**
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[54] **SYSTEMS AND METHODS FOR TRAINING ARTIFICIALLY-INTELLIGENT CLASSIFIER**
[54] **SYSTEMES ET PROCEDES D'ENTRAINEMENT DE CLASSIFICATEUR A INTELLIGENCE ARTIFICIELLE**
[72] BEN-KIKI, TOMER, US
[72] ZILCA, RAN, US
[72] CARPENTER, DERRICK, US
[71] HAPPIFY, INC., US
[85] 2021-02-08
[86] 2019-06-13 (PCT/US2019/036972)
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[30] US (16/059,498) 2018-08-09

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[25] EN
[54] **NON-DISRUPTIVE GENE THERAPY FOR THE TREATMENT OF MMA**
[54] **THERAPIE GENIQUE NON PERTURBATRICE POUR LE TRAITEMENT D'UN MMA**
[72] VENDITTI, CHARLES P., US
[72] CHANDLER, RANDY J., US
[72] CHAU, B. NELSON, US
[72] CHIANG, KYLE P., US
[72] LIAO, JING, US
[71] LOGICBIO THERAPEUTICS, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2021-02-03
[86] 2018-10-30 (PCT/US2018/058307)
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[30] US (62/717,771) 2018-08-10

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[25] EN
[54] **METHODS AND SYSTEMS FOR PERSONALIZING VISITOR EXPERIENCE AT A VENUE**
[54] **PROCEDES ET SYSTEMES DE PERSONNALISATION D'EXPERIENCES DE VISITEURS AU NIVEAU D'UN LIEU**
[72] SOULE, CHRISTINE, US
[72] CELLA, CHARLES H., US
[72] SPITZ, RICHARD, US
[71] OLIVE SEED INDUSTRIES, LLC, US
[85] 2021-02-08
[86] 2019-08-06 (PCT/US2019/045220)
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[30] US (62/715,018) 2018-08-06

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[25] EN
[54] **ANTI-TISSUE FACTOR ANTIBODY-DRUG CONJUGATES AND THEIR USE IN THE TREATMENT OF CANCER**
[54] **CONJUGUES ANTICORPS-MEDICAMENT ANTI-FACTEUR TISSULAIRE ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] RANGWALA, RESHMA A., US
[72] BREIJ, ESTHER C.W., NL
[72] VERPLOEGEN, SANDRA, NL
[72] DE GOEIJ, BART, NL
[72] ABIDOYE, OYEWALE O., US
[72] NICACIO, LEONARDO V., US
[72] ALLEY, STEPHEN C., US
[71] GENMAB A/S, DK
[85] 2021-02-04
[86] 2019-08-14 (PCT/US2019/046467)
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[30] US (62/765,093) 2018-08-16

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[25] EN
[54] **COFFEE MILK DRINK COMPOSITION**
[54] **COMPOSITION DE BOISSON LACTEE AU CAFE**
[72] LIM, HYE JIN, KR
[72] KIM, BONG CHAN, KR
[72] KIM, YONG-IN, KR
[72] SEO, IL, KR
[72] LEE, SEUNG MI, KR
[72] HAN, TAE-CHUL, KR
[72] LIM, SU YOUN, KR
[71] SAMYANG CORPORATION, KR
[85] 2021-02-08
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[25] EN
[54] **SYSTEMS AND METHODS FOR ESTIMATING RESERVOIR STRATIGRAPHY, QUALITY, AND CONNECTIVITY**
[54] **SYSTEMES ET PROCEDES D'ESTIMATION DE STRATIGRAPHIE, DE QUALITE ET DE CONNECTIVITE DE RESERVOIR**
[72] FRAZER, MILES ASHLEY, US
[72] GHAYOUR, KAVEH, US
[71] CHEVRON U.S.A. INC., US
[85] 2021-02-08
[86] 2019-08-07 (PCT/US2019/045469)
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[30] US (16/115,391) 2018-08-28

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[25] EN
[54] **IMPROVED DETECTION OF NUCLEASE EDITED SEQUENCES IN AUTOMATED MODULES AND INSTRUMENTS VIA BULK CELL CULTURE**
[54] **DETECTION AMELIOREE DE SEQUENCES A EDITION PAR NUCLEASE DANS DES MODULES AUTOMATISES ET DES INSTRUMENTS PAR L'INTERMEDIAIRE D'UNE CULTURE EN MASSE DE CELLULES**
[72] SPINDLER, EILEEN, US
[72] HIDDESSEN, AMY, US
[72] BELGRADER, PHILLIP, US
[72] JOHNSON, CHARLES, US
[72] DAVIS, CLINT, US
[71] INSCRIPTA, INC., US
[85] 2021-02-04
[86] 2019-08-14 (PCT/US2019/046526)
[87] (WO2020/037057)
[30] US (62/718,449) 2018-08-14
[30] US (62/735,365) 2018-09-24
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[25] EN
[54] **METHODS AND DEVICES FOR PROCESSING LIGNOCELLULOSIC BIOMASS WITH RECOVERY OF PURIFIED LIGNIN AND PURIFIED WAX FRACTIONS**
[54] **PROCEDES ET DISPOSITIFS DE TRAITEMENT DE BIOMASSE LIGNOCELLULOSIQUE A RECUPERATION DE LIGNINE PURIFIEE ET FRACTIONS DE CIRE PURIFIEES**
[72] CASAD, ROBERT C., JR., DK
[71] CASAD, ROBERT C., JR., DK
[85] 2021-02-08
[86] 2019-08-08 (PCT/US2019/045638)
[87] (WO2020/033633)
[30] US (62/715,879) 2018-08-08
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[30] US (62/809,997) 2019-02-25
[30] US (62/832,898) 2019-04-12

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[25] EN
[54] **SPATIALLY CO-REGISTERED GENOMIC AND IMAGING (SCORGI) DATA ELEMENTS FOR FINGERPRINTING MICRODOMAINS**
[54] **ELEMENTS DE DONNEES D'IMAGERIE ET DE DONNEES GENOMIQUES CO-ENREGISTRES SPATIALEMENT (SCORGI) POUR DES MICRO DOMAINES D'EMPREINTES DIGITALES**
[72] CHENNUBHOTLA, SRINIVAS C., US
[72] GOUGH, ALBERT H., US
[72] STERN, ANDREW M., US
[72] BECICH, MICHAEL J., US
[72] TAYLOR, DOUGLASS L., US
[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2021-02-08
[86] 2019-08-21 (PCT/US2019/047412)
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[30] US (62/721,018) 2018-08-22

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[25] EN
[54] **PORTABLE DRUG TESTING APPARATUS, SYSTEM, AND METHOD**
[54] **APPAREIL DE TEST DE MEDICAMENT PORTABLE, SYSTEME ET PROCEDE**
[72] FARQUAR, GEORGE, US
[72] SEILHAN, JESSICA, US
[72] O'LENIC, THOMAS, US
[72] TOFANELLI, MARCUS, US
[71] BUZZKILL LABS, INC., US
[85] 2021-02-04
[86] 2019-08-12 (PCT/US2019/046217)
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[30] US (62/718,851) 2018-08-14

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[51] **Int.Cl. A61K 8/55 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/41 (2006.01) A61K 8/63 (2006.01) A61K 8/92 (2006.01) A61K 8/97 (2017.01)**
[25] EN
[54] **COSMETIC BASE COMPOSITIONS AND ASSOCIATED COSMETIC COMPOSITIONS**
[54] **COMPOSITIONS COSMETIQUES DE BASE ET COMPOSITIONS COSMETIQUES ASSOCIEES**
[72] SOBEL, HOWARD, US
[72] KRESSATY, JOHN, US
[71] SOBEL BRANDS, LLC, US
[85] 2021-02-08
[86] 2019-08-08 (PCT/US2019/045739)
[87] (WO2020/033712)
[30] US (62/715,951) 2018-08-08

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[51] **Int.Cl. A61K 38/28 (2006.01) A61K 31/4015 (2006.01) A61K 31/4375 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHOD FOR TREATMENT OF ENCEPHALOPATHY**
[54] **METHODE DE TRAITEMENT D'ENCEPHALOPATHIE**
[72] LURYE, ARMAN ZHENISOVICH, KZ
[71] LURYE, ARMAN ZHENISOVICH, KZ
[85] 2021-02-08
[86] 2018-11-19 (PCT/KZ2018/000017)
[87] (WO2019/172737)
[30] KZ (2018/0146.1) 2018-03-06

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[51] **Int.Cl. C08F 8/30 (2006.01) A01N 25/18 (2006.01) A01N 43/40 (2006.01) C07D 213/61 (2006.01) C08F 222/02 (2006.01) C08F 222/06 (2006.01) C08L 35/00 (2006.01)**
[25] EN
[54] **NITRAPYRIN COMPOSITIONS FOR ENHANCING NITROGEN NUTRIENT USE EFFICIENCY AND IMPROVING PLANT GROWTH**
[54] **COMPOSITIONS DE NITRAPYRINE POUR AUGMENTER L'EFFICACITE D'UTILISATION DE NUTRIMENTS AZOTES ET AMELIORER LA CROISSANCE DES PLANTES**
[72] MAZO, JACOB, US
[72] MAZO, GRIGORY, US
[71] VERDESIAN LIFE SCIENCES U.S., LLC, US
[85] 2021-02-08
[86] 2019-08-26 (PCT/US2019/048155)
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[30] US (62/723,284) 2018-08-27

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[51] **Int.Cl. E04B 1/24 (2006.01) E04B 1/343 (2006.01) E04C 3/04 (2006.01)**
[25] EN
[54] **FRAMING ASSEMBLY WITH MODULAR CONNECTORS**
[54] **ENSEMBLE D'ENCADREMENT A CONNECTEURS MODULAIRES**
[72] SOBEL, KENNETH, US
[72] CADY, JAY, US
[71] HYPERFRAME INC., US
[85] 2021-02-08
[86] 2019-08-08 (PCT/US2019/045809)
[87] (WO2020/033771)
[30] US (62/715,954) 2018-08-08
[30] US (62/801,487) 2019-02-05

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[51] **Int.Cl. A61N 1/04 (2006.01)**
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[54] **SEPARATE PRINTED TRACES FOR ECG AND DEFIBRILLATION CIRCUITS**
[54] **TRACES IMPRIMES SEPARES POUR CIRCUITS D'ECG ET DE DEFIBRILLATION**
[72] SNYDER, JESSICA, US
[71] CONMED CORPORATION, US
[85] 2021-02-08
[86] 2019-08-28 (PCT/US2019/048452)
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[51] **Int.Cl. A61N 5/06 (2006.01) A61B 18/18 (2006.01) A61B 18/20 (2006.01)**
[25] EN
[54] **DELIVERY OF ENERGY TO A TARGET REGION OF A PATIENT'S BODY TO SATISFY THERAPEUTIC REQUIREMENTS PRECISELY**
[54] **FOURNITURE D'ENERGIE A UNE REGION CIBLE DU CORPS D'UN PATIENT POUR SATISFAIRE PRECISEMENT A DES EXIGENCES THERAPEUTIQUES**
[72] LEVIN, PHILIP, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2021-02-08
[86] 2019-08-09 (PCT/US2019/045945)
[87] (WO2020/033855)
[30] US (62/716,449) 2018-08-09

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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/52 (2006.01) A47J 43/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FOAMING A BEVERAGE**
[54] **APPAREIL ET PROCEDE PERMETTANT DE FAIRE MOUSSER UNE BOISSON**
[72] KOLLER, IZAAK, US
[72] KRUGER, JOSHUA, US
[72] HURD, TIMOTHY, US
[71] STARBUCKS CORPORATION, US
[85] 2021-02-08
[86] 2019-08-28 (PCT/US2019/048525)
[87] (WO2020/051037)
[30] US (16/124,048) 2018-09-06

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[13] A1
[51] **Int.Cl. A61K 6/00 (2020.01) B33Y 70/00 (2020.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS TO STABILIZE A NANOGEL AND DENTAL COMPOSITIONS THEREFROM**
[54] **PROCEDES ET COMPOSITIONS DE STABILISATION D'UN NANOGEL, ET COMPOSITIONS DENTAIRES ASSOCIEES**
[72] JIN, XIAOMING, US
[72] USTA, BASSAM, US
[72] SCHEUFLER, CHRISTIAN, DE
[72] KLEE, JOACHIM, DE
[72] TIGGES, THOMAS, DE
[72] NEUHAUS, KIRA, DE
[72] BRENNEISEN, JORG, DE
[72] LU, HUI, US
[71] DENTSPLY SIRONA INC., US
[85] 2021-02-08
[86] 2019-08-29 (PCT/US2019/048752)
[87] (WO2020/047217)
[30] US (62/724,230) 2018-08-29
[30] US (62/769,636) 2018-11-20

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **MODIFIED OLIGONUCLEOTIDES TARGETING SNPS**
[54] **OLIGONUCLEOTIDES MODIFIES CIBLANT DES SNP**
[72] KHVOROVA, ANASTASIA, US
[72] ALTERMAN, JULIA, US
[72] CONROY, FAITH, US
[72] PFISTER, EDITH, US
[72] ARONIN, NEIL, US
[72] YAMADA, KEN, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2021-02-08
[86] 2019-08-09 (PCT/US2019/046013)
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[30] US (62/717,287) 2018-08-10
[30] US (62/825,429) 2019-03-28

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[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/46 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMAGE PROCESSING**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGE**
[72] DUJMIC, DENIS, US
[71] LEIDOS SECURITY DETECTION & AUTOMATION, INC., US
[85] 2021-02-08
[86] 2019-08-09 (PCT/US2019/046014)
[87] (WO2020/033900)
[30] US (62/717,649) 2018-08-10

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[13] A1
[51] **Int.Cl. C07H 15/04 (2006.01) A61K 31/70 (2006.01) A61P 25/00 (2006.01) C07K 14/72 (2006.01)**
[25] EN
[54] **USE OF IGF-2 RECEPTOR AGONIST LIGANDS FOR TREATMENT OF ANGELMAN SYNDROME AND AUTISM**
[54] **UTILISATION DE LIGANDS AGONISTES DU RECEPTEUR DE L'IGF-2 POUR LE TRAITEMENT DU SYNDROME D'ANGELMAN ET DE L'AUTISME**
[72] ALBERINI, CRISTINA MARIA, US
[72] TRAUNER, DIRK, US
[72] ARP, CHRISTOPHER JAMES, US
[71] NEW YORK UNIVERISTY, US
[85] 2021-02-08
[86] 2019-08-12 (PCT/US2019/046227)
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[30] US (62/717,372) 2018-08-10

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[51] **Int.Cl. A61K 38/16 (2006.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01) A61K 48/00 (2006.01)**
[25] EN
[54] **NANOPARTICLES FOR TRANSFECTION**
[54] **NANOPARTICULES POUR LA TRANSFECTION**
[72] VENABLES, ANDREW, AU
[72] LEVY, DANIEL E., AU
[71] LOXEGEN HOLDINGS PTY LTD, AU
[85] 2021-02-09
[86] 2019-08-14 (PCT/AU2019/050851)
[87] (WO2020/034001)
[30] US (62/718,616) 2018-08-14

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
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[54] **METHODS OF TREATING AGING-RELATED DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES LIES AU VIEILLISSEMENT**
[72] WONG, HING, US
[71] HCW BIOLOGICS, INC., US
[85] 2021-02-08
[86] 2019-08-30 (PCT/US2019/049142)
[87] (WO2020/047462)
[30] US (62/725,038) 2018-08-30
[30] US (62/724,969) 2018-08-30
[30] US (62/725,043) 2018-08-30
[30] US (62/725,010) 2018-08-30
[30] US (62/746,832) 2018-10-17
[30] US (62/749,007) 2018-10-22
[30] US (62/749,506) 2018-10-23
[30] US (62/816,683) 2019-03-11
[30] US (62/817,230) 2019-03-12
[30] US (62/817,244) 2019-03-12
[30] US (62/817,241) 2019-03-12
[30] US (62/881,088) 2019-07-31
[30] US (62/881,039) 2019-07-31

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[51] **Int.Cl. B65D 75/58 (2006.01)**
[25] EN
[54] **A CLOSURE ASSEMBLY COMPRISING A CAP WITH AN INTEGRATED TAMPER-EVIDENT RING MEMBER**
[54] **ENSEMBLE DE FERMETURE COMPRENANT UN CAPUCHON DOTE D'UN ELEMENT BAGUE D'INVIOLABILITE INTEGRE**
[72] FIERE, JEROEN PIETER, NL
[72] VAN TUIL, JOHANNES WILHELMUS, NL
[72] OOSTERLING, WILLEM JAN ADRIAAN, NL
[72] VAN SPRONSEN, FREDERIK ADRIAAN, NL
[71] SCHOLLE IPN IP B.V., NL
[85] 2021-02-08
[86] 2019-08-23 (PCT/NL2019/050543)
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[30] NL (2021578) 2018-09-07
[30] NL (2023526) 2019-07-18

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[51] **Int.Cl. A61K 38/47 (2006.01) A61K 47/26 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **USE OF MANNOSE 6 PHOSPHATE AND MODIFICATIONS THEREOF FOR MEMORY ENHANCEMENT AND REDUCING MEMORY IMPAIRMENT**
[54] **UTILISATION DE MANNOSE-6-PHOSPHATE ET SES MODIFICATIONS POUR L'AMELIORATION DE LA MEMOIRE ET LA REDUCTION DES TROUBLES DE LA MEMOIRE**
[72] ALBERINI, CRISTINA MARIA, US
[72] TRAUNER, DIRK, US
[72] ARP, CHRISTOPHER JAMES, US
[71] NEW YORK UNIVERISTY, US
[85] 2021-02-08
[86] 2019-08-12 (PCT/US2019/046228)
[87] (WO2020/033972)
[30] US (62/717,405) 2018-08-10
[30] US (62/871,453) 2019-07-08

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[25] EN
[54] **1,3,4,9-TETRAHYDRO-2H-PYRIDO[3,4-B]INDOLE DERIVATIVE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES DERIVES DE 1,3,4,9-TETRAHYDRO-2H-PYRIDO[3,4-B]INDOLE ET LEURS UTILISATIONS**
[72] ZHANG, JING, US
[72] WANG, XIANG, US
[72] PODOLL, JESSICA D., US
[71] RECREO PHARMACEUTICALS LLC, US
[85] 2021-02-08
[86] 2019-08-15 (PCT/US2019/046712)
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[30] US (62/719,048) 2018-08-16

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[51] **Int.Cl. B21J 15/02 (2006.01) B21J 15/32 (2006.01) B21J 15/34 (2006.01) B23P 19/00 (2006.01) B25B 23/06 (2006.01)**
[25] EN
[54] **FEEDER FOR SWAGEABLE LOCKBOLT COLLARS AND METHOD OF USING SAME**
[54] **LIGNE D'ALIMENTATION POUR COLLIERS DE BOULONS DE BLOCAGE POUVANT ETRE EMBOUTIS ET PROCEDE D'UTILISATION DE CEUX-CI**
[72] LANG, KYLE R., US
[72] POTTS, TONY P., US
[72] LEIGH, BRIAN H., US
[72] DUCHENE, THOMAS M., US
[71] GAGE BILT, INC., US
[85] 2021-02-08
[86] 2019-09-10 (PCT/US2019/050279)
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[30] US (16/159,216) 2018-10-12

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[54] **APPAREILS VAPORISATEURS A TETE MOBILE ET PROCEDES AFFERENTS**
[72] GRIFFIN, JASON, CA
[72] CUNNINGHAM, BRYAN, CA
[72] FYKE, STEVEN, CA
[72] MACKAY, TIM, CA
[72] KIBLER, TYLER, CA
[72] DIX, TREVOR, CA
[71] FURNA INC., CA
[85] 2021-02-09
[86] 2019-08-09 (PCT/CA2019/051093)
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[30] US (62/717,453) 2018-08-10
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[51] **Int.Cl. F42D 1/02 (2006.01) F42D 3/04 (2006.01) F42D 5/00 (2006.01)**
[25] EN
[54] **WIRELESS DETONATING SYSTEM**
[54] **SYSTEME DE DETONATION SANS FIL**
[72] MAURISSENS, DANIEL AUGUST JULIEN LOUIS, ZA
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
[85] 2021-02-08
[86] 2019-08-15 (PCT/ZA2019/050045)
[87] (WO2020/037336)
[30] ZA (2018/05467) 2018-08-16

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[51] **Int.Cl. A23K 20/147 (2016.01) A23K 20/163 (2016.01) A23K 40/25 (2016.01) A23K 50/42 (2016.01)**
[25] EN
[54] **EDIBLE ANIMAL CHEWS**
[54] **PRODUITS A MACHER COMESTIBLES POUR ANIMAUX**
[72] GOSLING, MATTHEW PETER, GB
[71] MARS, INCORPORATED, US
[85] 2021-02-09
[86] 2019-08-13 (PCT/GB2019/052276)
[87] (WO2020/035677)
[30] GB (1813413.0) 2018-08-16

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[51] **Int.Cl. E04B 1/32 (2006.01) B28B 1/32 (2006.01) B29C 44/02 (2006.01) E04B 1/16 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **A METHOD OF FORMING A BUILDING**
[54] **PROCEDE DE FORMATION DE BATIMENT**
[72] BREE, CHARLES, NZ
[71] BREE, CHARLES, NZ
[85] 2021-02-08
[86] 2019-08-08 (PCT/NZ2019/050093)
[87] (WO2020/032806)
[30] NZ (745100) 2018-08-08

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[51] **Int.Cl. H01M 10/28 (2006.01)**
[25] EN
[54] **AQUEOUS ZINC LITHIUM-ION BATTERY AND METHOD FOR MAKING SAME**
[54] **BATTERIE AU LITHIUM-ION ZINC AQUEUSE ET SON PROCEDE DE FABRICATION**
[72] CHEN, ZHONGWEI, CA
[72] GHORBANI KASHKOOLI, ALI, CA
[72] KHAZRAEI, SEPEHR, CA
[72] HANDA, JANAK, CA
[71] CHEN, ZHONGWEI, CA
[71] HANDA, JANAK, CA
[85] 2021-02-09
[86] 2019-08-09 (PCT/CA2019/051096)
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[30] US (62/716,594) 2018-08-09

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[51] **Int.Cl. B60N 2/20 (2006.01) B60N 2/30 (2006.01)**
[25] EN
[54] **SECONDARY STABILIZATION STRIKER FOR REVERSIBLE SEATS**
[54] **GACHE DE STABILISATION SECONDAIRE POUR SIEGES REVERSIBLES**
[72] VETERE, LOUIS, US
[72] NACY, MICHAEL D., US
[72] ZHAO, KAI, US
[72] MARINI, DETJON, US
[72] DIOUM, CHEIKH, US
[71] MAGNA SEATING INC., CA
[85] 2020-09-16
[86] 2019-03-18 (PCT/US2019/022679)
[87] (WO2019/178585)
[30] US (62/643,780) 2018-03-16

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[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/741 (2015.01) A61K 35/744 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61P 1/00 (2006.01)**
[25] EN
[54] **PROBIOTIC BACTERIA ISOLATED FROM WOLVES AND RELATED COMPOSITIONS AND METHODS**
[54] **BACTERIES PROBIOTIQUES ISOLEES A PARTIR DE LOUPS ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] OU, QIXING, CA
[72] BURLET, JOHN F., CA
[71] CANBIOCIN INC., CA
[85] 2021-02-09
[86] 2019-08-21 (PCT/CA2019/051140)
[87] (WO2020/037414)
[30] US (62/720,180) 2018-08-21

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[51] **Int.Cl. A61K 9/113 (2006.01) A61K 31/728 (2006.01) A61K 38/28 (2006.01)**
[25] EN
[54] **MULTICOMPARTMENT SYSTEM OF NANOCAPSULE-IN-NANOCAPSULE TYPE, FOR ENCAPSULATION OF A LIPOPHILIC AND HYDROPHILIC COMPOUND, AND THE RELATED PRODUCTION METHOD**
[54] **SYSTEME A COMPARTIMENTS MULTIPLES DE TYPE NANOCAPSULE DANS NANOCAPSULE, POUR L'ENCAPSULATION D'UN COMPOSE LIPOPHILE ET HYDROPHILE, ET PROCEDE DE PRODUCTION ASSOCIE**
[72] SMELA, KRYSZTOF, PL
[72] ZAPOTOCZNY, KRZYSZTOF, PL
[72] SZFRANIEC, JOANNA, PL
[71] SMELA, KRYSZTOF, PL
[85] 2021-02-08
[86] 2019-08-19 (PCT/PL2019/000069)
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[30] PL (P.426702) 2018-08-17
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[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **VTFT ISOFORM OF A BPIFB4 PROTEIN FOR USE IN NEURONAL DISEASES AND INJURIES**
[54] **ISOFORME VTFT D'UNE PROTEINE BPIFB4 DESTINEE A ETRE UTILISEE DANS DES MALADIES ET DES LESIONS NEURONALES**
[72] PUCA, ANNIBALE ALESSANDRO, IT
[71] LGV1 S.R.L., IT
[85] 2021-02-09
[86] 2018-08-16 (PCT/EP2018/072184)
[87] (WO2019/034723)
[30] EP (17186528.0) 2017-08-16

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[13] A1
[51] **Int.Cl. G01N 27/87 (2006.01) G01N 27/85 (2006.01) A61M 5/32 (2006.01) G01B 7/312 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR THE INSPECTION OF A CONDITION OF A CANNULA MOUNTED ON A SYRINGE**
[54] **PROCEDE ET DISPOSITIF D'INSPECTION D'UN ETAT D'UNE CANULE MISE EN PLACE SUR UNE SERINGUE**
[72] KAHL, MATTHIAS, DE
[72] STIRNIMANN, CHRISTIAN, CH
[71] WILCO AG, CH
[85] 2021-02-09
[86] 2019-08-06 (PCT/EP2019/071144)
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[30] CH (00995/18) 2018-08-16

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[13] A1
[51] **Int.Cl. A61C 19/06 (2006.01)**
[25] EN
[54] **MOUTHPIECE APPARATUS FOR INTRAORAL THERAPY AND RELATED SYSTEM AND METHOD**
[54] **APPAREIL D'EMBOUT BUCCAL POUR LA THERAPIE INTRABUCCALE ET SYSTEME ET PROCEDE ASSOCIES**
[72] SCURTESCU, CRISTIAN, CA
[71] SMILESONICA INC., CA
[85] 2021-02-09
[86] 2019-09-04 (PCT/CA2019/051234)
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[30] US (62/727,520) 2018-09-05

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[13] A1
[51] **Int.Cl. A61K 39/145 (2006.01) A61K 39/295 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS IMMUNOGENES ET LEURS UTILISATIONS**
[72] BERTHOLET GIRARDIN, SYLVIE, US
[72] KUMAR, ARUN, IT
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2021-02-09
[86] 2019-08-16 (PCT/EP2019/072052)
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[30] US (62/719,219) 2018-08-17

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[51] **Int.Cl. E21B 47/06 (2012.01) E21B 47/01 (2012.01) E21B 47/12 (2012.01)**
[25] EN
[54] **APPARATUS FOR OBTAINING WELLBORE PRESSURE MEASUREMENTS**
[54] **APPAREIL POUR OBTENIR DES MESURES DE PRESSION DE PUITS DE FORAGE**
[72] GARDNER, NEIL, GB
[71] ZIEBEL AS, NO
[85] 2021-02-09
[86] 2019-08-26 (PCT/EP2019/072728)
[87] (WO2020/048811)
[30] GB (1814298.4) 2018-09-03

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[51] **Int.Cl. C12N 9/00 (2006.01) C12Q 1/6897 (2018.01) C07K 19/00 (2006.01) C12Q 1/00 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **DETECTION OF PROTEIN TO PROTEIN INTERACTIONS**
[54] **DETECTION D'INTERACTIONS PROTEINE-PROTEINE**
[72] YAO, ZHONG, CA
[72] STAGLJAR, IGOR, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2021-02-09
[86] 2020-06-30 (PCT/CA2020/050914)
[87] (WO2021/000043)
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[51] **Int.Cl. G01T 1/02 (2006.01)**
[25] EN
[54] **ELECTRONIC DOSIMETER FOR ALARM GENERATION IN PULSED RADIATION FIELDS**
[54] **DOSIMETRE ELECTRONIQUE POUR GENERATION D'ALERTE DANS DES CHAMPS DE RAYONNEMENT PULSES**
[72] TROST, NORBERT, DE
[72] IWATSHECKO-BORHO, MICHAEL, DE
[71] THERMO FISHER SCIENTIFIC MESSTECHNIK GMBH, DE
[85] 2021-02-09
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[87] (WO2020/038957)
[30] US (62/720,277) 2018-08-21

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[51] **Int.Cl. G02C 11/04 (2006.01) G02C 7/10 (2006.01)**
[25] EN
[54] **OPHTHALMIC DEVICE WITH A BLINKING ILLUMINATING ELEMENT FOR REDUCING DYSLEXIA EFFECTS**
[54] **DISPOSITIF OPHTALMIQUE AVEC UN ELEMENT D'ECLAIRAGE CLIGNOTANT POUR REDUIRE LES EFFETS DE LA DYSLEXIE**
[72] LAVILLONNIERE, NICOLAS, FR
[72] GIRAUDET, GUILLAUME, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2021-02-09
[86] 2019-09-19 (PCT/EP2019/075099)
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[30] EP (18306242.1) 2018-09-25

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[51] **Int.Cl. G01C 19/42 (2006.01) G01C 19/02 (2006.01) G05G 5/03 (2009.01) G06F 3/01 (2006.01)**
[25] EN
[54] **GYROSCOPE MOTION FEEDBACK DEVICE**
[54] **DISPOSITIF DE RETROACTION DE MOUVEMENT DE GYROSCOPE**
[72] DEUTSCH, DANIEL J., US
[71] REAL SIMPLE IDEAS, LLC, US
[85] 2021-02-09
[86] 2019-07-24 (PCT/US2019/043188)
[87] (WO2020/033145)
[30] US (16/059,145) 2018-08-09

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[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01) C12N 1/00 (2006.01) C12N 5/00 (2006.01) C12M 1/22 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHODS FOR CELL CULTURE**
[54] **DISPOSITIF ET METHODES DE CULTURE DE CELLULES**
[72] ZHANG, BOYANG, CA
[71] SYNO BIOTECH INC., CA
[85] 2021-02-09
[86] 2019-08-12 (PCT/CA2019/051100)
[87] (WO2020/034028)
[30] US (62/718,594) 2018-08-14

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[13] A1
[51] **Int.Cl. C22C 14/00 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **CREEP RESISTANT TITANIUM ALLOYS**
[54] **ALLIAGES DE TITANE RESISTANT AU FLUAGE**
[72] MANTIONE, JOHN V., US
[72] BRYAN, DAVID J., US
[72] GARCIA-AVILA, MATIAS, US
[71] ATI PROPERTIES LLC, US
[85] 2021-02-09
[86] 2019-06-17 (PCT/US2019/037421)
[87] (WO2020/068195)
[30] US (16/114,405) 2018-08-28

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/02 (2009.01)**
[25] EN
[54] **PRE-CONFIGURED DEDICATED RESOURCE FOR IDLE MODE TRANSMISSIONS**
[54] **RESSOURCE DEDIEE PRECONFIGUREE DESTINEE AUX TRANSMISSIONS EN MODE DE REPOS**
[72] SHA, XIUBIN, CN
[72] DAI, BO, CN
[72] LU, TING, CN
[72] LIU, KUN, CN
[72] LIU, XU, CN
[71] ZTE CORPORATION, CN
[85] 2021-02-09
[86] 2018-08-09 (PCT/CN2018/099627)
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[51] **Int.Cl. G01N 33/50 (2006.01) A61K 47/60 (2017.01) A61K 38/08 (2019.01) A61K 38/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS RELATED TO OVERCOMING INNATE IMMUNE BARRIERS TO CANCER IMMUNOTHERAPY**
[54] **COMPOSITIONS ET PROCEDES ASSOCIES A L'ELIMINATION DES BARRIERES IMMUNITAIRES INNEES CONTRE L'IMMUNOTHERAPIE ANTICANCEREUSE**
[72] SEGAL, BRAHM, US
[72] SINGEL, KELLY, US
[71] HEALTH RESEARCH, INC., US
[85] 2021-02-09
[86] 2019-08-09 (PCT/US2019/045880)
[87] (WO2020/033814)
[30] US (62/716,496) 2018-08-09

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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING SLOT-FORMAT AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE FORMAT DE CRENEAU, ET SUPPORT D'INFORMATIONS**
[72] XU, WEIJIE, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-02-09
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[51] **Int.Cl. E21B 43/267 (2006.01) B01F 5/06 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **HIGH-PRESSURE STATIC MIXER**
[54] **MELANGEUR STATIQUE A HAUTE PRESSION**
[72] DUSTERHOFT, RONALD GLEN, US
[72] STEPHENSON, STANLEY VERNON, US
[72] BEUTERBAUGH, AARON M., US
[72] STEGENT, NEIL ALAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-02-09
[86] 2018-11-19 (PCT/US2018/061811)
[87] (WO2020/106269)

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[13] A1
[51] **Int.Cl. H04W 76/00 (2018.01)**
[25] EN
[54] **METHOD FOR PERFORMING RELAY FORWARDING ON INTEGRATED ACCESS AND BACKHAUL LINKS, INFORMATION ACQUISITION METHOD, NODE, AND STORAGE MEDIUM**
[54] **PROCEDE POUR EFFECTUER UN REACHEMINEMENT DE RELAIS SUR DES LIAISONS INTEGREES D'ACCES ET DE RACCORDEMENT, PROCEDE D'ACQUISITION D'INFORMATIONS, N□UD, ET SUPPORT DE STOCKAGE**
[72] HUANG, YING, CN
[72] CHEN, LIN, CN
[71] ZTE CORPORATION, CN
[85] 2021-02-09
[86] 2019-04-04 (PCT/CN2019/081545)
[87] (WO2019/192607)
[30] CN (201810302723.5) 2018-04-05

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G01D 1/00 (2006.01) G01L 3/26 (2006.01) G06F 17/10 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **DYNAMIC SYSTEM STATIC GAIN ESTIMATION METHOD BASED ON HISTORICAL DATA RAMP RESPONSE**
[54] **PROCEDE D'ESTIMATION DE GAIN STATIQUE DE SYSTEME DYNAMIQUE SUR LA BASE D'UNE REPONSE DE RAMPE DE DONNEES HISTORIQUES**
[72] WANG, JIANDONG, CN
[72] YANG, ZIJIANG, CN
[72] WANG, ZHEN, CN
[72] CAO, PENGFEI, CN
[72] BAI, XINGZHEN, CN
[72] ZHOU, DONGHUA, CN
[71] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2021-02-09
[86] 2019-04-30 (PCT/CN2019/085188)
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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION**
[72] SUN, HAO, CN
[72] HUANG, WENWEN, CN
[72] CHENG, YAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-02-09
[86] 2019-08-02 (PCT/CN2019/099037)
[87] (WO2020/029881)
[30] CN (201810910306.9) 2018-08-10

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 40/465 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING ARTICLE, AEROSOL GENERATING DEVICE, AND AEROSOL GENERATING SYSTEM**
[54] **ARTICLE, DISPOSITIF ET SYSTEME DE GENERATION D'AEROSOL**
[72] YOON, SUNG WOOK, KR
[72] LEE, SEUNG WON, KR
[72] HAN, DAE NAM, KR
[72] KIM, YONG HWAN, KR
[71] KT&G CORPORATION, KR
[85] 2021-02-05
[86] 2020-08-13 (PCT/KR2020/010728)
[87] (3109190)
[30] KR (10-2019-0100533) 2019-08-16

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[13] A1
[51] **Int.Cl. B23B 51/02 (2006.01) B23B 5/00 (2006.01) B23B 5/16 (2006.01)**
[25] EN
[54] **VARIABLE RADIUS GASH**
[54] **GOUJURE A RAYON VARIABLE**
[72] HAMIL, BRIAN, US
[72] BONFIGLIO, DOUG, US
[72] CURTICIAN, STEVE, US
[72] RAK, JACOB, US
[71] KYOCERA SGS PRECISION TOOLS, INC., US
[85] 2021-02-09
[86] 2019-07-26 (PCT/US2019/043682)
[87] (WO2020/033168)
[30] US (62/716,615) 2018-08-09

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[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/52 (2006.01) C07D 405/14 (2006.01) C07D 471/04 (2006.01) C07D 473/00 (2006.01)**
[25] EN
[54] **TRANSGLUTAMINASE 2 (TG2) INHIBITORS**
[54] **INHIBITEURS DE TRANSGLUTAMINASE 2 (TG2)**
[72] CAMPBELL, DAVID, US
[72] CHAPMAN, JUSTIN, US
[72] CHEUNG, MUI H., US
[72] DIRAIMONDO, THOAMS R., US
[72] DURON, SERGIO G., US
[71] SITARI PHARMA, INC., US
[85] 2021-02-09
[86] 2019-08-09 (PCT/US2019/045827)
[87] (WO2020/033784)
[30] US (62/717,697) 2018-08-10
[30] US (62/845,229) 2019-05-08

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[51] **Int.Cl. A61L 27/18 (2006.01) A61L 27/22 (2006.01) A61L 27/24 (2006.01) A61L 27/38 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **TISSUE SCAFFOLD**
[54] **ECHAFAUDAGE TISSULAIRE**
[72] SAWADKAR, PRASAD, GB
[72] GARCIA-GARETA, ELENA, GB
[71] RAFT ENTERPRISES LTD., GB
[85] 2021-02-09
[86] 2019-08-16 (PCT/GB2019/052313)
[87] (WO2020/035703)
[30] GB (1813461.9) 2018-08-17

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[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) B01L 3/00 (2006.01) B01L 9/00 (2006.01)**
[25] EN
[54] **ANALYZER FOR TESTING A SAMPLE**
[54] **ANALYSEUR POUR TESTER UN ECHANTILLON**
[72] NIEMEYER, AXEL, DE
[72] BRUCKMANN, GUENTER, DE
[72] FICHTNER, ANDRE, DE
[72] HUG, HENDRIK, DE
[72] KOENIG, JURI, DE
[72] STOLPMANN, DAGMAR, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2021-02-09
[86] 2019-09-27 (PCT/EP2019/076230)
[87] (WO2020/070012)
[30] EP (18197843.8) 2018-10-01

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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR PROMOTING CELL GROWTH AND TISSUE REPAIR**
[54] **PROCEDE ET COMPOSITION POUR FAVORISER LA CROISSANCE CELLULAIRE ET LA REPARATION TISSULAIRE**
[72] QIAN, JIN, CN
[72] XU, JIAYI, CN
[72] WANG, JIMIN, CN
[71] ZHEJIANG HYGEIANCELLS BIOMEDICAL CO. LTD, CN
[85] 2021-02-09
[86] 2019-08-09 (PCT/CN2019/099953)
[87] (WO2020/030097)
[30] CN (201810909485.4) 2018-08-10

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[13] A1
[51] **Int.Cl. A61K 35/57 (2015.01) A61K 9/10 (2006.01) A61K 9/19 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **DRUG USED FOR TREATING TISSUE NECROSIS OR FOR IMPROVING CARDIAC FUNCTION**
[54] **MEDICAMENT UTILISE POUR TRAITER LA NECROSE TISSULAIRE OU POUR AMELIORER LA FONCTION CARDIAQUE**
[72] QIAN, JIN, CN
[72] SUN, NING, CN
[72] GAO, XIANG, CN
[72] CUI, BAIPING, CN
[72] ZHENG, YUFAN, CN
[71] ZHEJIANG HYGEIANCELLS BIOMEDICAL CO. LTD, CN
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[54] **WIND TURBINE AND METHOD FOR DETECTING LOW-FREQUENCY OSCILLATIONS IN AN ELECTRICAL SUPPLY GRID**
[54] **EOLIENNE ET PROCEDE POUR DETECTER DES OSCILLATIONS DE BASSE FREQUENCE DANS UN RESEAU D'ALIMENTATION ELECTRIQUE**
[72] SCHWANKA TREVISAN, ARAMIS, DE
[72] MALEKIAN BOROUJENI, KAVEH, DE
[71] WOBBEN PROPERTIES GMBH, DE
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[54] **APPARATUS AND METHOD FOR PERFORMING DEBLOCKING**
[54] **APPAREIL ET PROCEDE DESTINE A EFFECTUER UN DEGROUPAGE**
[72] KOTRA, ANAND MEHER, DE
[72] CHEN, JIANLE, US
[72] ESENLIK, SEMIH, DE
[72] WANG, BIAO, DE
[72] GAO, HAN, DE
[72] ZHAO, ZHIJIE, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **PROPPANT DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'AGENT DE SOUTENEMENT**
[72] OEHLER, MATTHEW, US
[72] FISHER, MARK KEVIN, US
[72] WILSON, IAN, US
[72] D'AGOSTINO, SCOTT JOSEPH, US
[72] D'AGOSTINO, MARK JOHN, US
[72] DORFMAN, BRIAN, US
[72] SNYDER, CORY, US
[72] MALONE, WILLIAM SCOTT, US
[71] OEHLER, MATTHEW, US
[71] FISHER, MARK KEVIN, US
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[54] **METHOD AND APPARATUS FOR ALLOCATING EBI**
[54] **PROCEDE ET APPAREIL D'ATTRIBUTION D'UN IDENTIFIANT EBI**
[72] SUN, HAIYANG, CN
[72] WEI, ANNI, CN
[72] XIONG, CHUNSHAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **METHOD AND APPARATUS FOR PREDICTING OPTIMAL EXPLOITATION IN SHALE OIL IN-SITU CONVERSION**
[54] **METHODE ET APPAREIL POUR LA PREVISION DE L'EXPLOITATION OPTIMALE DE CONVERSION SUR PLACE D'HUILE DE SCHISTE**
[72] HOU, LIANHUA, CN
[72] WANG, JINGHONG, CN
[72] CUI, JINGWEI, CN
[72] ZHAO, ZHONGYING, CN
[71] PETROCHINA COMPANY LIMITED, CN
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[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **EQUIPEMENT D'UTILISATEUR ET PROCEDE DE COMMUNICATION RADIO**
[72] MATSUMURA, YUKI, JP
[72] YOSHIOKA, SHOHEI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
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[54] **BIOMASS SOLID FUEL MANUFACTURING METHOD AND BIOMASS SOLID FUEL MANUFACTURING DEVICE**
[54] **PROCEDE DE FABRICATION DE COMBUSTIBLE SOLIDE DE BIOMASSE ET DISPOSITIF DE FABRICATION DE COMBUSTIBLE SOLIDE DE BIOMASSE**
[72] HIRAIWA YUUSUKE, JP
[72] HAYASHI SHIGEYA, JP
[72] OOI NOBUYUKI, JP
[71] UBE INDUSTRIES, LTD., JP
[85] 2021-02-09
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[54] **CATIONIC LIPID**
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[72] MATSUMOTO SATORU, JP
[72] OMORI YOSHIMASA, JP
[72] MINENO MASAHIRO, JP
[72] SAWAI YASUHIRO, JP
[72] KAKIMOTO NOZOMU, JP
[72] HOASHI YASUTAKA, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[54] **REMOTE FEATURE ACTIVATION IN POWER MACHINES**
[54] **ACTIVATION DE CARACTERISTIQUES A DISTANCE DANS DES MACHINES ELECTRIQUES**
[72] HONEYMAN, JOEL, US
[72] SAGASER, MATT, US
[72] AGNEW, DENNIS, US
[72] ODEGAARD, JUSTIN, US
[72] MINDEMAN, SPENCER, US
[72] NELSON, DANA, US
[71] CLARK EQUIPMENT COMPANY, US
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[54] **CHIMERIC ANTIGEN RECEPTOR THAT BINDS HLA-DR AND CAR-T CELL**
[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE LIANT UN RECEPTEUR HLA-DR ET UNE CELLULE CAR-T**
[72] KWON, BYOUNG SE, KR
[72] KIM, YOUNG HO, KR
[72] KIM, KWANG HEE, KR
[72] CHUNG, JI WON, KR
[72] CHANG, YOUNG GYOON, KR
[72] YI, BO RIM, KR
[72] LEE, JUNG YUN, KR
[72] LEE, SEUNG HYUN, KR
[72] IM, SUN WOO, KR
[72] CHOI, JIN KYUNG, KR
[72] SON, HYUN TAE, KR
[72] YOO, EUN HYE, KR
[71] EUTILEX CO., LTD., KR
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[54] **NOVEL METHOD FOR PREPARING (-)-CIBENZOLINE SUCCINATE**
[54] **NOUVEAU PROCEDE DE PREPARATION DE SUCCINATE (-)-CIBENZOLINE**
[72] DESI REDDY, SRINIVAS REDDY, IN
[72] MATHAD, VIJAYAVITTHAL THIPPANNACHAR, IN
[72] RANE, DNYANDEV RAGHO, IN
[72] PATIL, VIKAS SHIVAJI, IN
[71] CELLTRION, INC., KR
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[54] **METHOD AND DEVICE FOR SUPPLYING LIQUID TO A LINER**
[54] **PROCEDE ET DISPOSITIF D'ALIMENTATION D'UN LIQUIDE A UN REVETEMENT**
[72] HOPE, HELGE, NO
[72] BREIVIK, ALF, NO
[71] MOONSHINE SOLUTIONS AS, NO
[85] 2021-02-09
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[54] **SYNERGISTIC DRUG COMBINATION OF A SELECTIVE CYCLOOXYGENASE-2 INHIBITOR AND A ANTHRAQUINONE DERIVATIVE**
[54] **COMBINAISON DE MEDICAMENTS SYNERGIQUES D'UN INHIBITEUR SELECTIF DE CYCLOOXYGENASE-2 ET D'UN DERIVE D'ANTHRAQUINONE**
[72] GARCIA ARMENTA, PATRICIA DEL CARMEN, MX
[72] CHAVEZ GARCIA, JOSE ALONSO, MX
[71] AMEZCUA AMEZCUA, FEDERICO, MX
[71] AMEZCUA AMEZCUA, CARLOS, MX
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[54] **HIGH-STRENGTH TITANIUM ALLOY FOR ADDITIVE MANUFACTURING**
[54] **ALLIAGE DE TITANE A HAUTE RESISTANCE POUR FABRICATION ADDITIVE**
[72] MITROPOLSKAYA, NATALIA GEORGIEVNA, RU
[72] LEDER, MICHAEL OTTOVICH, RU
[72] PUZAKOV, IGOR YURIEVICH, RU
[72] ZAITSEV, ALEXEY SERGEEVICH, RU
[72] TARENKOVA, NATALIA YURYEVNA, RU
[72] BRIGGS, ROBERT DAVID, US
[72] GHABCHI, ARASH, US
[72] CATHERINE, JANE PARRISH, BR
[72] MATTHEW, JON CRILL, US
[71] THE BOEING COMPANY, US
[71] PUBLIC STOCK COMPANY VSMPO-AVISMA CORPORATION, RU
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[54] **SUBSTITUTED INDOLES AND METHODS OF USE THEREOF**
[54] **INDOLES SUBSTITUES ET PROCEDES D'UTILISATION ASSOCIES**
[72] LAMPE, JOHN, US
[72] CAMPBELL, JOHN, US
[72] DUNCAN, KENNETH, US
[72] FOLEY, MEGAN ALENE CLOONAN, US
[72] HARVEY, DARREN MARTIN, US
[72] MUNCHHOF, MICHAEL JOHN, US
[72] THOMENIUS, MICHAEL, US
[72] REITER, LAWRENCE ALAN, US
[71] EPIZYME, INC., US
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[54] **SYSTEMES ET PROCEDES DE FOURNITURE DE FONCTIONS D'INTERNATIONALISATION DANS UNE INTERFACE D'UNE APPLICATION DE GESTION DE SERVICES**
[72] DEKLERK, ADRIAN, US
[72] FELDMAN, ARLEN SANDER, US
[72] CAREY, BRYAN, US
[71] CHERWELL SOFTWARE, LLC, US
[85] 2021-02-09
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[54] **RECOMBINANT MYXOMA VIRUSES AND USES THEREOF**
[54] **VIRUS DU MYXOME RECOMBINANTS ET LEURS APPLICATIONS**
[72] KIEFER, JEFF, US
[72] MORENO, RAMON, US
[72] MOUSSES, SPYRO, US
[72] BARTEE, ERIC, US
[71] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT, US
[71] SYSTEMS ONCOLOGY, LLC, US
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[86] 2019-08-16 (PCT/US2019/046823)
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[54] **PROCEDE DE REDUCTION CATALYTIQUE SELECTIVE ET PROCEDE DE REGENERATION D'UN CATALYSEUR DESACTIVE DU PROCEDE**
[72] SENG, GUIDO, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **SHAPED CHARGE ASSEMBLY, EXPLOSIVE UNITS, AND METHODS FOR SELECTIVELY EXPANDING WALL OF A TUBULAR**
[54] **ENSEMBLE CHARGE FACONNEE, UNITES EXPLOSIVES ET PROCEDES DE DILATATION SELECTIVE D'UNE PAROI D'UN ELEMENT TUBULAIRE**
[72] RAIRIGH, JAMES G., US
[71] RAIRIGH, JAMES G., US
[85] 2021-02-09
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[54] **DETERMINATION D'UN AMORTISSEMENT D'UN ENSEMBLE COMPTEUR**
[72] MCANALLY, CRAIG B., US
[72] DOWNING, BERT J., US
[71] MICRO MOTION, INC., US
[85] 2021-02-09
[86] 2018-08-13 (PCT/US2018/046526)
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[54] **SYSTEME DE TAPIS DE TRACTION ET SON PROCEDE DE FABRICATION**
[72] THELIN, JUSTIN, US
[72] ALLEN, AARON, US
[72] POLK, DALE, US
[71] SPARTAN MAT LLC, US
[85] 2021-02-09
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[25] EN
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[54] **ARN MESSAGERS FURTIFS ET AUTRES POLYNUCLEOTIDES MODIFIES AVEC PRECISION**
[72] ERKUL, YUSUF, US
[72] YILMAZ, BURAK, US
[71] KERNAL BIOLOGICS, INC., US
[85] 2021-02-09
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[54] **METHOD AND COMPOSITION FOR STIMULATING IMMUNE RESPONSE**
[54] **METHODE ET COMPOSITION POUR STIMULER UNE REPONSE IMMUNITAIRE**
[72] MOHANLAL, RAMON, US
[72] HUANG, LAN, US
[72] TONRA, JAMES R., US
[71] BEYONDSPRING PHARMACEUTICALS, INC., US
[85] 2021-02-09
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[54] **METHOD FOR MOLDING A CLOSURE AND GASKET COMBINATION**
[54] **PROCEDE DE MOULAGE D'UNE COMBINAISON DE FERMETURE ET DE JOINT D'ETANCHEITE**
[72] FAULKNER, JAMES D., US
[71] F&S TOOL, INC., US
[85] 2021-02-09
[86] 2019-08-20 (PCT/US2019/047240)
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[54] **APPARATUS AND METHODS TO ADJUST OCULAR BLOOD FLOW**
[54] **APPAREIL ET PROCEDES POUR AJUSTER UN DEBIT SANGUIN OCULAIRE**
[72] BERDAHL, JOHN, US
[72] TSAI, GEORGE, US
[72] WALBRINK, HAL, US
[72] THOMPSON, VANCE MICHAEL, US
[72] BRAMBILLA, ENRICO, US
[71] EQUINOX OPHTHALMIC, INC., US
[85] 2021-02-09
[86] 2019-08-08 (PCT/US2019/045767)
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[54] **PURCHASED ITEM MANAGEMENT AND PROMOTIONAL SYSTEMS AND METHODS**
[54] **SYSTEME DE GESTION ET DE PROMOTION D'ARTICLES ACHETES**
[72] FEE, KEVIN A., US
[72] LASATER, PENNY D., US
[71] FLORENCE CORPORATION, US
[85] 2021-02-09
[86] 2019-08-20 (PCT/US2019/047270)
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[54] **PROCEDES DE DECARBOXYLATION DE CANNABINOIDES EN PHASE GAZEUSE**
[72] THOMAS, C. RUSSELL, US
[71] NATURAL EXTRACTION SYSTEMS, LLC, US
[85] 2021-02-09
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[54] **SERVICE TRAFFIC REPLICATION AND DYNAMIC POLICY ENFORCEMENT IN A MULTI-CLOUD SERVICE MESH**
[54] **DUPLICATION DE TRAFIC DE SERVICE ET APPLICATION DE POLITIQUE DYNAMIQUE DANS UN MAILLAGE DE SERVICE MULTI-NUAGE**
[72] JEUK, SEBASTIAN, DE
[72] RANTZAU, RALF, US
[72] SALGUEIRO, GONZALO, US
[71] CISCO TECHNOLOGY, INC., US
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[54] **SPECTROMETERS WITH RETRO-REFLECTIVE SURFACES AND RELATED INSTRUMENTS**
[54] **SPECTROMETRES A SURFACES RETRO-REFLECHISSANTES ET INSTRUMENTS ASSOCIES**
[72] FARSAD, MAHSA, US
[72] AIKENS, DAVID, US
[71] PERKINELMER HEALTH SCIENCES, INC., US
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[30] US (62/717,153) 2018-08-10
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[54] **LIQUID SOLUTION CONCENTRATION SYSTEM COMPRISING ISOLATED SUBSYSTEM AND RELATED METHODS**
[54] **SYSTEME DE CONCENTRATION DE SOLUTION LIQUIDE COMPRENANT UN SOUS-SYSTEME ISOLE ET PROCEDES ASSOCIES**
[72] STOVER, RICHARD, US
[72] CHOONG, LOOH TCHUIN, SG
[72] ST. JOHN, MAXIMUS G., SG
[72] GOVINDAN, PRAKASH NARAYAN, SG
[71] GRADIANT CORPORATION, US
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[54] **NUCLEIC ACIDS AND NUCLEIC ACID ANALOGS FOR TREATING, PREVENTING, AND DISRUPTING PATHOLOGICAL POLYNUCLEOTIDE-BINDING PROTEIN INCLUSIONS**
[54] **ACIDES NUCLEIQUES ET ANALOGUES D'ACIDE NUCLEIQUE POUR LE TRAITEMENT, LA PREVENTION ET LA PERTURBATION D'INCLUSIONS DE PROTEINE DE LIAISON DE POLYNUCLEOTIDE PATHOLOGIQUE**
[72] DONNELLY, CHRISTOPHER, US
[72] MANN, JACOB, US
[72] SHORTER, JAMES, US
[72] GUO, LIN, US
[72] PORTZ, BEDE, US
[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **T CELL RECEPTOR CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS DE RECEPTEURS DE CELLULES T ET LEURS UTILISATIONS**
[72] JUNEJA, VIKRAM, US
[72] CHOI, JAEWON, US
[71] BIONTECH US INC., US
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[86] 2019-08-16 (PCT/US2019/046876)
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[54] **POLYCRYSTALLINE DIAMOND COMPACT INCLUDING EROSION AND CORROSION RESISTANT SUBSTRATE**
[54] **CORPS COMPACT EN DIAMANT POLYCRISTALLIN COMPRENANT UN SUBSTRAT RESISTANT A L'EROSION ET A LA CORROSION**
[72] MUKHOPADHYAY, DEBKUMAR, US
[71] US SYNTHETIC CORPORATION, US
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[54] **A VIRTUAL TOOL KIT FOR RADIOLOGISTS**
[54] **BOITE A OUTILS VIRTUELLE POUR RADIOLOGUES**
[72] DOUGLAS, DAVID BYRON, US
[72] DOUGLAS, ROBERT EDWIN, US
[72] DOUGLAS, KATHLEEN MARY, US
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[71] DOUGLAS, ROBERT EDWIN, US
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[54] **CARACTERISATION DE FEUILLE DE PAPIER CREPE**
[72] PATTERSON, TIMOTHY, US
[71] SOLENIS TECHNOLOGIES, L.P., US
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[54] **GENETICALLY ALTERED LYSM RECEPTORS WITH ALTERED AGONIST SPECIFICITY AND AFFINITY**
[54] **RECEPTEURS LYSM GENETIQUEMENT MODIFIES AYANT UNE SPECIFICITE ET UNE AFFINITE D'AGONISTE MODIFIEES**
[72] ANDERSEN, KASPER ROJKJAR, DK
[72] GYSEL, KIRA, DK
[72] RADUTOIU, SIMONA, DK
[72] BOZSOKI, ZOLTAN, DK
[72] MADSEN, LENA HEEGAARD, DK
[72] HANSEN, SIMON BOJE, DK
[72] STOUGAARD, JENS, DK
[71] AARHUS UNIVERSITET, DK
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[54] **DIALYSIS SYSTEM AND METHODS**
[54] **SYSTEME ET METHODES DE DIALYSE**
[72] HOGARD, MICHAEL EDWARD, US
[72] HU, DEAN, US
[72] CHEN, SHIH-PAUL, US
[72] RITSON, JAMES, US
[72] LINGAM, GOPI K., US
[72] OBICO, PETER VELASCO, US
[72] CURTIS, JAMES R., US
[72] MILLER, STEVEN M., US
[71] OUTSET MEDICAL, INC., US
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[54] **COMPOSITIONS AND METHODS FOR IMPROVING LIBRARY ENRICHMENT**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER L'ENRICHISSEMENT DE BIBLIOTHEQUES**
[72] SLATTER, ANDREW F., GB
[72] ZHAO, JUNHUA, US
[72] DESANTIS, GRACE, US
[72] GROSS, STEPHEN M., US
[72] HOGAN, HAYLEY M., US
[72] LI, JIAN-SEN, US
[72] MILLER, OLIVER J., GB
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
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[54] **NOVEL COMPOSITIONS, THEIR USE, AND METHODS FOR THEIR FORMATION**
[54] **NOUVELLES COMPOSITIONS, LEUR UTILISATION ET LEURS PROCEDES DE FORMATION**
[72] SIMMONS, THOMAS J., GB
[71] CAMBRIDGE GLYCOSCIENCE LTD, GB
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[54] **METHOD AND DEVICE FOR FILAMENT SPINNING WITH DEFLECTION**
[54] **PROCEDE ET DISPOSITIF DE FILAGE DE FILAMENTS COMPRENANT UN RENVOI**
[72] ZIKELI, STEFAN, AT
[72] ECKER, FRIEDRICH, AT
[71] AUROTEC GMBH, AT
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[54] **HANDLING DEVICE FOR SERVICING A PISTON WITH A SMALL END ATTACHED TO THE PISTON VIA A PISTON PIN**
[54] **DISPOSITIF DE MANIPULATION DESTINE A L'ENTRETIEN D'UN PISTON COMPRENANT UNE TETE DE BIELLE FIXEE AU PISTON PAR L'INTERMEDIAIRE D'UN AXE DE PISTON**
[72] KOTTRE, EWALD, DE
[72] STEGMAYR, MARIO, DE
[71] MAN ENERGY SOLUTIONS SE, DE
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[54] **CROSS-LINKED PLASTOMERS AS A REPLACEMENT FOR RUBBER**
[54] **PLASTOMERES RETICULES EN TANT QUE REMPLACEMENT DU CAOUTCHOUC**
[72] RUSKEENIEMI, JARI-JUSSI, FI
[72] ODERKERK, JEROEN, SE
[72] PRIETO, OSCAR, SE
[72] HELLSTROM, STEFAN, SE
[72] PIEL, TANJA, AT
[72] MILEVA, DANIELA, AT
[72] PRADES, FLORAN, AT
[71] BOREALIS AG, AT
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[54] **METHOD FOR GREATLY REDUCING SULPHATE CONTENT IN VARIOUS LEVELS OF LITHIUM CARBONATE IN SPODUMENE SULFURIC ACID METHOD**
[54] **PROCEDE DE REDUCTION CONSIDERABLE DE LA TENEUR EN SULFATE DANS DIVERS NIVEAUX DE CARBONATE DE LITHIUM DANS UN PROCEDE A L'ACIDE SULFURIQUE SPODUMENE**
[72] WANG, QINGSHENG, CN
[71] DAI, AILIN, CN
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[54] **AUTOMATED ORTHODONTIC TREATMENT PLANNING USING DEEP LEARNING**
[54] **PLANIFICATION DE TRAITEMENT ORTHODONTIQUE AUTOMATISE EN UTILISANT L'APPRENTISSAGE PROFOND**
[72] ANSSARI MOIN, DAVID, NL
[72] CLAESSEN, FRANK THEODORUS CATHARINA, NL
[71] PROMATON HOLDING B.V., NL
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[25] EN
[54] **CONTAINERS FOR A SMALL VOLUME OF LIQUID TARGET MATERIAL FOR IRRADIATION IN A CYCLOTRON**
[54] **RECIPIENTS DESTINE A RECEVOIR UN FAIBLE VOLUME DE LIQUIDE CIBLE POUR IRRADIATION AU CYCLOTRON**
[72] BARS, EROL, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[54] **UNITE ET PROCEDE DE FOURNITURE PASSIVE UNIVERSELLE D'ELEMENT SECURISE**
[72] LEUNG, KA WAI WAYNE, CN
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[54] **ARTICLES EN DOSE UNITAIRE SOLUBLES DANS L'EAU COMPRENANT DES STRUCTURES FIBREUSES HYDROSOLUBLES ET DES PARTICULES**
[72] SIVIK, MARK ROBERT, US
[72] DENOME, FRANK WILLIAM, US
[72] DIPAOLA, MICHAEL JOSEPH, US
[72] SHEN, RUI, US
[72] GLASSMEYER, STEPHEN ROBERT, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[30] US (62/740,743) 2018-10-03
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[25] EN
[54] **APPARATUS FOR VARYING A FOCAL POINT OF AN OPTICAL SYSTEM IN A DENTAL 3D-SCANNER AND DENTAL 3D-SCANNER**
[54] **APPAREIL POUR FAIRE VARIER UN POINT FOCAL D'UN SYSTEME OPTIQUE DANS UN DISPOSITIF DE BALAYAGE TRIDIMENSIONNEL (3D) DENTAIRE ET DISPOSITIF DE BALAYAGE 3D DENTAIRE**
[72] BERNER, MARKUS, CH
[72] SEIB, MARTIN, DE
[72] CONFALONIERI, FABRIZIO, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
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[54] **DOWNHOLE TOOL DYNAMIC AND MOTION MEASUREMENT WITH MULTIPLE ULTRASOUND TRANSDUCER**
[54] **MESURE DYNAMIQUE ET DE MOUVEMENT D'OUTIL DE FOND DE TROU A MULTIPLES TRANSDUCTEURS ULTRASONORES**
[72] LI, PENG, US
[72] WENG, YU, US
[72] CHANG, CHUNG, US
[72] MARLOW, RODNEY, US
[72] WIECEK, BOGUSLAW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **NOUVELLES CONSTRUCTIONS DE CAR COMPRENANT DES DOMAINES TNFR2**
[72] GERTNER-DARDENNE, JULIE, FR
[72] ABEL, TOBIAS, FR
[72] FENARD, DAVID, FR
[72] MEYER, FRANCOIS, FR
[71] SANGAMO THERAPEUTICS FRANCE, FR
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[54] **SECONDE GENERATION D'ENDOPROTHESE VASCULAIRE EN TROIS PARTIES**
[72] RAHMIG, GEORG, DE
[72] STRAUBINGER, HELMUT, DE
[71] TRICARES SAS, FR
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[54] **INTERRUPTEUR PAR DEFAUT DE TAILLE REDUITE**
[72] KOWALYSHEN, HENRY, US
[72] BENSON, KEITH, US
[72] RUSEV, TSVETAN, US
[71] S&C ELECTRIC COMPANY, US
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[25] EN
[54] **METHODS OF TREATING ACUTE STRESS DISORDER AND POSTTRAUMATIC STRESS DISORDER**
[54] **PROCEDES DE TRAITEMENT DE TROUBLE DE STRESS AIGUS ET DE TROUBLE DE STRESS POST-TRAUMATIQUE**
[72] PETERS, PERRY SCOTT, US
[72] SULLIVAN, GREGORY M., US
[72] MARIO, ERNEST, US
[72] HARRIS, HERBERT, US
[72] LEDERMAN, SETH, US
[71] TONIX PHARMA HOLDINGS LIMITED, BM
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[54] **COMPOSITION REFRIGERANTE**
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[71] MEXICHEM FLUOR S.A. DE C.V., MX
[85] 2021-02-10
[86] 2019-08-14 (PCT/GB2019/052289)
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[30] GB (1813242.3) 2018-08-14

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[54] **SEPARATOR ASSEMBLY FOR MODULAR FILLING SYSTEMS**
[54] **ENSEMBLE SEPARATEUR POUR SYSTEMES DE REMPLISSAGE MODULAIRES**
[72] MENEAR, TAD, US
[72] HILDEBRAND, JOHN J., US
[71] LIQUI-BOX CORPORATION, US
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[51] **Int.Cl. A61K 35/74 (2015.01) A61P 25/00 (2006.01) C12Q 1/04 (2006.01)**
[25] EN
[54] **BEHAVIOURAL TREATMENT**
[54] **TRAITEMENT COMPORTEMENTAL**
[72] VUILLERMIN, PETER, AU
[72] PONSONBY, ANNE-LOUISE, AU
[72] TANG, MIMI, AU
[72] LOUGHMAN, AMY, AU
[71] MURDOCH CHILDREN'S RESEARCH INSTITUTE, AU
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[25] EN
[54] **METHOD OF PREVENTING BOTH CARIES AND PERIODONTAL DISEASE SIMULTANEOUSLY IN ONE PROCEDURE**
[54] **PROCEDE DE PREVENTION SIMULTANEE DES CARIES ET DES MALADIES PARODONTALES DANS UNE SEULE PROCEDURE**
[72] DI NARDO, JULIE, CA
[72] TENENBAUM, HOWARD CHARLES, CA
[71] CHX TECHNOLOGIES, INC., A CORPORATION CREATED AND EXISTING UNDER THE LAWS OF CANADA, CA
[85] 2021-02-09
[86] 2019-08-13 (PCT/IB2019/001066)
[87] (WO2020/049365)

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[51] **Int.Cl. G01F 25/00 (2006.01) G01F 1/84 (2006.01)**
[25] EN
[54] **METHOD TO DETERMINE WHEN TO VERIFY A STIFFNESS COEFFICIENT OF A FLOWMETER**
[54] **PROCEDE DE DETERMINATION DE L'INSTANT DE VERIFICATION D'UN COEFFICIENT DE RAIDEUR D'UN DEBITMETRE**
[72] MCANALLY, CRAIG B., US
[72] DOWNING, BERT J., US
[71] MICRO MOTION, INC., US
[85] 2021-02-10
[86] 2018-08-13 (PCT/US2018/046484)
[87] (WO2020/036578)

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[51] **Int.Cl. B01J 19/32 (2006.01)**
[25] EN
[54] **STRUCTURED PACKING**
[54] **GARNISSAGE STRUCTURE**
[72] BHATELIA, TEJAS JAGDISH, AU
[72] SUN, BIAO, AU
[72] UTIKAR, RANJEET PANDURANGRAO, AU
[72] PAREEK, VISHNU KUMAR, AU
[72] EVANS, GEOFFREY MICHAEL, AU
[72] TADE, MOSES OLUDAYO, AU
[71] CURTIN UNIVERSITY, AU
[85] 2021-02-10
[86] 2019-09-06 (PCT/AU2019/050963)
[87] (WO2020/047613)
[30] AU (2018903333) 2018-09-06

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[51] **Int.Cl. C08G 61/12 (2006.01) B82Y 30/00 (2011.01) C01B 32/158 (2017.01) C01B 32/159 (2017.01) B01D 11/02 (2006.01) C07D 403/04 (2006.01) G01N 27/403 (2006.01) H01L 29/12 (2006.01) H01L 49/02 (2006.01)**
[25] EN
[54] **INDIGO-BASED POLYMERS FOR USE IN SWCNTS ELECTRONICS**
[54] **POLYMERES A BASE D'INDIGO DESTINES A ETRE UTILISES DANS DES COMPOSANTS ELECTRONIQUES A SWCNT**
[72] GUO, CHANG, CA
[72] OUYANG, JIANYING, CA
[72] LI, ZHAO, CA
[72] DING, JIANFU, CA
[72] MALENFANT, PATRICK ROLAND LUCIEN, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2021-02-09
[86] 2019-08-13 (PCT/IB2019/056871)
[87] (WO2020/035793)
[30] US (62/718,659) 2018-08-14

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[51] **Int.Cl. C08L 3/02 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08J 9/16 (2006.01) C08K 5/00 (2006.01) C08L 101/16 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD OF MAKING BIODEGRADABLE PELLETS**
[54] **COMPOSITION ET PROCEDE DE FABRICATION DE GRANULES BIODEGRADABLES**
[72] DONG, CHANG, CA
[72] TYAGI, KRITIKA, CA
[72] SIDDIQUI, NUHA, CA
[71] ERTHOS INC., CA
[85] 2021-02-10
[86] 2019-08-12 (PCT/CA2019/051101)
[87] (WO2020/034029)
[30] US (62/718,091) 2018-08-13
[30] US (16/394,034) 2019-04-25

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[13] A1
[51] **Int.Cl. G01F 1/84 (2006.01)**
[25] EN
[54] **DETERMINING A DECAY CHARACTERISTIC OF A METER ASSEMBLY**
[54] **DETERMINATION D'UNE CARACTERISTIQUE DE DECROISSANCE D'UN ENSEMBLE DE COMPTEUR**
[72] MCANALLY, CRAIG B., US
[72] DOWNING, BERT J., US
[71] MICRO MOTION, INC., US
[85] 2021-02-10
[86] 2018-08-13 (PCT/US2018/046519)
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[51] **Int.Cl. G16B 25/10 (2019.01)**
[25] EN
[54] **PREDICTION OF PHENOTYPES USING RECOMMENDER SYSTEMS**
[54] **PREDICTION DE PHENOTYPES A L'AIDE DE SYSTEMES DE RECOMMANDATION**
[72] NGUYEN, THI HONG LUONG, US
[72] TELIS, NATALIE, US
[72] COIGNET, MARIE-VIRGINIE, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2021-02-09
[86] 2019-08-16 (PCT/IB2019/056939)
[87] (WO2020/035821)
[30] US (62/719,553) 2018-08-17
[30] US (62/752,523) 2018-10-30
[30] US (62/857,691) 2019-06-05

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[51] **Int.Cl. G01F 1/84 (2006.01) G01F 25/00 (2006.01)**
[25] EN
[54] **DETECTING A CHANGE IN A VIBRATORY METER BASED ON TWO BASELINE METER VERIFICATIONS**
[54] **DETECTION D'UN CHANGEMENT DANS UN COMPTEUR VIBRATOIRE SUR LA BASE DE DEUX VERIFICATIONS DE COMPTEUR DE REFERENCE**
[72] MCANALLY, CRAIG B., US
[72] DOWNING, BERT J., US
[71] MICRO MOTION, INC., US
[85] 2021-02-10
[86] 2018-08-13 (PCT/US2018/046540)
[87] (WO2020/036586)

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[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **PATELLA BONE PLATE**
[54] **PLAQUE OSSEUSE ROTULIENNE**
[72] PENMAN, JESSICA, US
[72] WOODBURN SR., WILLIAM N., US
[72] SAURA-SANCHEZ, ELADIO, ES
[72] ANDERMATT, DANIEL, CH
[72] FONTANA, ARABELLA, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2021-02-09
[86] 2019-08-27 (PCT/IB2019/057209)
[87] (WO2020/053690)
[30] US (16/127,678) 2018-09-11

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[13] A1
[51] **Int.Cl. B67D 3/04 (2006.01)**
[25] EN
[54] **DELIVERING TAP WITH INTERNAL VALVE WITH FLEXIBLE EDGES AND MULTIPLE SEALS**
[54] **ROBINET DE DISTRIBUTION DOTE D'UNE VALVE INTERNE AYANT DES BORDS FLEXIBLES ET DE MULTIPLES JOINTS**
[72] NINI, DIEGO, IT
[71] VITOP MOULDING S.R.L., IT
[85] 2021-02-09
[86] 2019-07-25 (PCT/IT2019/000057)
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[30] IT (102018000008601) 2018-09-14

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[51] **Int.Cl. B01J 29/04 (2006.01) C01B 39/14 (2006.01) C07C 27/00 (2006.01) C07C 67/02 (2006.01) C07C 67/08 (2006.01) C10G 3/00 (2006.01) C11C 3/04 (2006.01)**
[25] EN
[54] **CATALYST FOR THE PRODUCTION OF CARBOXYLIC ACID ESTER**
[54] **CATALYSEUR POUR LA PRODUCTION D'ESTER D'ACIDE CARBOXYLIQUE**
[72] SINGH, INDER PAL, CA
[72] SINGH, SHRADHA, CA
[72] MISTRY, BHARAT, CA
[72] LI, ZHIYONG, CA
[71] SBI FINE CHEMICALS INC., CA
[85] 2021-02-10
[86] 2019-08-16 (PCT/CA2019/051115)
[87] (WO2020/034038)
[30] US (62/765,036) 2018-08-17

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE ALLOCATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE D'ATTRIBUTION DE RESSOURCES, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-02-10
[86] 2018-09-18 (PCT/CN2018/106337)
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[51] **Int.Cl. B01D 21/30 (2006.01) B01D 21/00 (2006.01) B01D 21/24 (2006.01) B01D 21/34 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **SETTLING TANK AND METHODS FOR GUIDING PARTIAL FLOWS IN THE INFLOW AREA O F SETTLING TANKS**
[54] **BASSINS DE DECANTATION ET PROCEDE POUR LE GUIDAGE DE COURANTS PARTIELS DANS LA ZONE D'AFFLUX DE BASSINS DE DECANTATION**
[72] ARMBRUSTER, MARTIN, DE
[71] HYDROGRAV GMBH, DE
[85] 2021-02-10
[86] 2019-08-12 (PCT/EP2019/000240)
[87] (WO2020/035166)
[30] DE (18000674.4) 2018-08-14
[30] EP (18000674.4) 2018-08-14

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[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **GENETICALLY ALTERED PLANTS EXPRESSING HETEROLOGOUS RECEPTORS THAT RECOGNIZE LIPO-CHITOOLIGOSACCHARIDES**
[54] **PLANTES GENETIQUEMENT MODIFIEES EXPRIMANT DES RECEPTEURS HETEROLOGUES QUI RECONNAISSENT LES LIPO-CHITOOLIGOSACCHARIDES**
[72] ANDERSEN, KASPER ROJKJAR, DK
[72] GYSEL, KIRA, DK
[72] RADUTOIU, SIMONA, DK
[72] BOZSOKI, ZOLTAN, DK
[72] MADSEN, LENE HEEGAARD, DK
[72] HANSEN, SIMON BOJE, DK
[72] STOUGAARD, JENS, DK
[71] AARHUS UNIVERSITET, DK
[85] 2021-02-10
[86] 2019-08-13 (PCT/EP2019/071703)
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[51] **Int.Cl. C07K 19/00 (2006.01) A61K 35/17 (2015.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **BCMA CHIMERIC ANTIGEN RECEPTOR BASED ON SINGLE DOMAIN ANTIBODY AND USE THEREOF**
[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE BCMA BASE SUR UN ANTICORPS A DOMAINE UNIQUE ET SON UTILISATION**
[72] ZHANG, JISHUAI, CN
[72] LI, HONGJIAN, CN
[72] SU, HONGCHANG, CN
[72] BAO, CHAOLEMENG, CN
[72] SONG, ZONGPEI, CN
[72] CAI, QINGHUA, CN
[72] DING, YIJIN, CN
[72] CAI, ZHIBO, CN
[71] SHENZHEN PREGENE BIOPHARMA CO. LTD., CN
[85] 2021-02-10
[86] 2019-07-10 (PCT/CN2019/095505)
[87] (WO2020/038146)
[30] CN (201810972053.8) 2018-08-24

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[51] **Int.Cl. G01N 33/28 (2006.01)**
[25] EN
[54] **ANALYSIS OF A GAS DISSOLVED IN AN INSULATING MEDIUM OF A HIGH-VOLTAGE DEVICE**
[54] **ANALYSE D'UN GAZ DISSOUS DANS UN MILIEU ISOLANT D'UN APPAREIL A HAUTE TENSION**
[72] KLINKERT, MARCELL, DE
[72] RUOFF, PATRICK, DE
[71] MASCHINENFABRIK REINHAUSEN GMBH, DE
[85] 2021-02-10
[86] 2019-09-04 (PCT/EP2019/073589)
[87] (WO2020/049049)
[30] DE (10 2018 121 647.5) 2018-09-05

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[51] **Int.Cl. A01N 25/12 (2006.01) A23L 33/105 (2016.01) A23P 10/43 (2016.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **PARTICLE CONTAINING AT LEAST ONE VOLATILE SUBSTANCE, PROCESS FOR ITS PREPARATION, A FOOD OR FEED ADDITIVE CONTAINING THE SAME AND USE**
[54] **PARTICULE CONTENANT AU MOINS UNE SUBSTANCE VOLATILE, PROCESSUS POUR SA PREPARATION, ALIMENT OU ADDITIF ALIMENTAIRE LA CONTENANT ET UTILISATION**
[72] GOTTSCHALK, PIA, AT
[72] BINDER, EVA-MARIA, AT
[72] COLE, STEPHEN, AT
[71] ERBER AKTIENGESELLSCHAFT, AT
[85] 2021-02-10
[86] 2019-03-22 (PCT/EP2019/057274)
[87] (WO2019/185482)
[30] EP (18000312.1) 2018-03-29

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[51] **Int.Cl. A01N 37/46 (2006.01) A01N 25/00 (2006.01) A01N 25/02 (2006.01) A01P 7/00 (2006.01) A01P 9/00 (2006.01)**
[25] EN
[54] **USE OF A STRUCTURAL POLYPEPTIDE FOR PLANT COATING**
[54] **UTILISATION D'UN POLYPEPTIDE STRUCTURAL POUR LE REVETEMENT DE PLANTES**
[72] KLEIN, JENS, DE
[72] ROMER, LIN, DE
[72] SCHMIDEDER, ANDREAS, DE
[72] STURM, KATHARINA, DE
[71] AMSILK GMBH, DE
[85] 2021-02-10
[86] 2019-08-07 (PCT/EP2019/071186)
[87] (WO2020/035361)
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[30] EP (19154685.2) 2019-01-31

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/506 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INTEGRIN ANTAGONISTS**
[54] **ANTAGONISTES DE L'INTEGRINE**
[72] PEDERSEN, OVE, BE
[72] VERMASSEN, ELKE, BE
[71] OXURION NV, BE
[85] 2021-02-10
[86] 2019-08-19 (PCT/EP2019/072185)
[87] (WO2020/043533)
[30] EP (18189615.0) 2018-08-17
[30] EP (18194258.2) 2018-09-13

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[13] A1
[51] **Int.Cl. A61B 17/072 (2006.01) A61B 90/98 (2016.01)**
[25] EN
[54] **SURGICAL STAPLER BODY, CARTRIDGE, SURGICAL STAPLER AND CONTROL METHOD FOR SURGICAL STAPLER**
[54] **CORPS PRINCIPAL D'AGRAFEUSE CHIRURGICALE, BOITE DE CLOUS, AGRAFEUSE CHIRURGICALE ET PROCEDE DE COMMANDE D'AGRAFEUSE CHIRURGICALE**
[72] LIU, QING, CN
[72] CHEN, XIAOQIANG, CN
[72] LIU, LIBO, CN
[72] YANG, XUELAN, CN
[71] B. J. ZH. F. PANTHER MEDICAL EQUIPMENT CO., LTD., CN
[85] 2021-02-10
[86] 2019-10-11 (PCT/CN2019/110655)
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[30] CN (201811324248.8) 2018-11-08
[30] CN (201910646596.5) 2019-07-17

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[51] **Int.Cl. C07K 1/13 (2006.01) A61K 47/52 (2017.01) A61K 47/62 (2017.01) C07K 17/14 (2006.01) C07K 14/245 (2006.01) C07K 14/32 (2006.01)**
[25] EN
[54] **METHOD FOR CONJUGATION OF BIOMOLECULES AND NEW USE OF GOLD DONOR FOR BIOMOLECULAR COMPLEX FORMATION**
[54] **PROCEDE DE CONJUGAISON DE BIOMOLECULES ET NOUVELLE UTILISATION D'UN DONNEUR D'OR POUR LA FORMATION D'UN COMPLEXE BIOMOLECULAIRE**
[72] HEDDLE, JONATHAN, PL
[72] MALAY, ALI, JP
[71] UNIWERSYTET JAGIELLONSKI, PL
[85] 2021-02-10
[86] 2018-08-16 (PCT/IB2018/056150)
[87] (WO2020/035716)

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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **DENSE STORAGE-BASED ARTICLE MOVING METHOD AND DEVICE, STORAGE MEDIUM AND DENSE STORAGE SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE DEPLACEMENT D'ARTICLE A BASE D'ENREGISTREMENT DENSE, SUPPORT DE STOCKAGE ET SYSTEME D'ENREGISTREMENT DENSE**
[72] SUN, KAI, CN
[72] WANG, LEI, CN
[72] FUNG, KA HO, CN
[71] BEIJING GEEKPLUS TECHNOLOGY CO., LTD., CN
[85] 2021-02-10
[86] 2019-08-08 (PCT/CN2019/099860)
[87] (WO2020/030063)
[30] CN (201810911672.6) 2018-08-10
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[51] **Int.Cl. C07K 14/47 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C12N 9/88 (2006.01)**
[25] EN
[54] **EPITOPES**
[54] **EPITOPES**
[72] XUE, WEI, GB
[72] COOK, KATHERINE WENDY, GB
[72] DURRANT, LINDA GILLIAN, GB
[72] BRENTVILLE, VICTORIA ANNE, GB
[71] SCANCELL LIMITED, GB
[85] 2021-02-10
[86] 2019-09-11 (PCT/EP2019/074273)
[87] (WO2020/053304)
[30] GB (1815041.7) 2018-09-14

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[51] **Int.Cl. C01B 32/182 (2017.01) C01B 32/184 (2017.01) C01B 32/194 (2017.01) C01B 32/198 (2017.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF MICROWAVE-REDUCED GRAPHENE OXIDE**
[54] **PROCEDE DE FABRICATION D'OXYDE DE GRAPHENE REDUIT PAR MICRO-ONDES**
[72] VU, THI TAN, ES
[72] PEREZ VIDAL, OSCAR, ES
[72] ARRIBAS, JUAN JOSE, ES
[72] NORIEGA PEREZ, DAVID, ES
[72] SUAREZ SANCHEZ, ROBERTO, ES
[71] ARCELORMITTAL, LU
[85] 2021-02-10
[86] 2019-07-09 (PCT/IB2019/055835)
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[30] IB (PCT/IB2018/056764) 2018-09-05

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[51] **Int.Cl. B65H 54/28 (2006.01)**
[25] EN
[54] **A WINDING APPARATUS**
[54] **APPAREIL D'ENROULEMENT**
[72] ZACHARIASEN, ERIK, NO
[72] BJORNENAK, MADS, NO
[72] HAUGA, BERGTOR, NO
[71] STIMLINE AS, NO
[85] 2021-02-10
[86] 2019-07-08 (PCT/NO2019/050144)
[87] (WO2020/013702)
[30] NO (20180972) 2018-07-10

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[13] A1
[51] **Int.Cl. A61H 7/00 (2006.01) A61H 15/00 (2006.01)**
[25] EN
[54] **CRANIAL STIMULATION DEVICE**
[54] **DISPOSITIF DE STIMULATION CRANIENNE**
[72] MORRA, SALVATORE, IT
[71] MORRA, SALVATORE, IT
[85] 2021-02-10
[86] 2019-07-18 (PCT/IB2019/056155)
[87] (WO2020/035754)
[30] IT (202018000003256) 2018-08-13

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[13] A1
[51] **Int.Cl. C21D 9/00 (2006.01) C21D 9/56 (2006.01) C21D 9/573 (2006.01) F27B 9/14 (2006.01) F27D 3/02 (2006.01)**
[25] EN
[54] **MAGNETIC COOLING ROLL**
[54] **ROULEAU DE REFROIDISSEMENT MAGNETIQUE**
[72] HAMIDE, MAKHLOUF, FR
[72] ANDERHUBER, MARC, FR
[72] DAUBIGNY, ALAIN, FR
[72] LUTZ, LAURENT, FR
[71] ARCELORMITTAL, LU
[85] 2021-02-10
[86] 2019-08-28 (PCT/IB2019/057256)
[87] (WO2020/049418)
[30] IB (PCT/IB2018/056831) 2018-09-07

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[13] A1
[51] **Int.Cl. B02C 19/00 (2006.01) B02C 23/00 (2006.01)**
[25] EN
[54] **DUAL-PURPOSE GRINDER AND OPERATING METHOD THEREOF**
[54] **BROYEUR A DOUBLE UTILITE ET MODE D'EMPLOI**
[72] LIU, ALEX, US
[72] LIU, HONGJIN, CN
[71] SHENZHEN ELEMEX TECHOLOGY, LTD, CN
[85] 2021-02-10
[86] 2019-09-23 (PCT/CN2019/107332)
[87] (WO2020/177299)
[30] CN (201910161100.5) 2019-03-04

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[13] A1
[51] **Int.Cl. A47B 91/02 (2006.01)**
[25] EN
[54] **IMPROVED ATTACHMENT FOR FURNITURE FEET ADJUSTABLE IN HEIGHT**
[54] **FIXATION AMELIOREE POUR PIEDS DE MEUBLES REGLABLES EN HAUTEUR**
[72] CATTANEO, CARLO, IT
[71] LEONARDO S.R.L., IT
[85] 2021-02-10
[86] 2019-09-24 (PCT/IB2019/058082)
[87] (WO2020/065521)
[30] IT (102018000008934) 2018-09-26

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[51] **Int.Cl. C07D 493/08 (2006.01) A61K 35/618 (2015.01) A23L 33/10 (2016.01) A61P 25/36 (2006.01)**
[25] EN
[54] **NEW COMPOUND, PREPARATION METHOD AND USE THEREOF**
[54] **NOUVEAU COMPOSE, PROCEDE DE FABRICATION ET APPLICATION**
[72] RUAN, JUN, CN
[71] GUANGXI JIUFU BIOTECHNOLOGY CO., LTD, CN
[85] 2021-02-10
[86] 2019-10-16 (PCT/CN2019/111538)
[87] (WO2020/114096)
[30] CN (201811482596.8) 2018-12-05

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[13] A1
[51] **Int.Cl. A61K 8/86 (2006.01) A61K 8/06 (2006.01) A61K 8/36 (2006.01) A61K 8/37 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **EMULSION-BASED PERSONAL CARE COMPOSITIONS AND METHODS FOR THE SAME**
[54] **COMPOSITIONS DE SOINS PERSONNELS A BASE D'EMULSION ET LEURS PROCEDES**
[72] DEWDNEY, NADINE, US
[72] DENNIS, MAVIS, US
[72] PARKER, JODIE, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2021-02-10
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[13] A1
[51] **Int.Cl. E05B 63/16 (2006.01) E05B 63/00 (2006.01) E05B 13/00 (2006.01)**
[25] EN
[54] **LOCKING DEVICE WITH A MECHANICAL ARRANGEMENT FOR SELECTING AN ACTIVE SIDE OF A DOOR**
[54] **DISPOSITIF DE VERROUILLAGE COMPRENANT UN AGENCEMENT MECANIQUE POUR SELECTIONNER UN COTE ACTIF D'UNE PORTE**
[72] STENDAL, DAVID, SE
[71] STENDALS EL AB, SE
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[54] **DIGITAL-PRINTING-STRUCTURED ANTI-WEAR FILM**
[54] **FEUILLE DE PROTECTION CONTRE L'USURE STRUCTUREE PAR IMPRESSION NUMERIQUE**
[72] HANNIG, HANS-JURGEN, DE
[71] AKZENTA PANEELE + PROFILE GMBH, DE
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[51] **Int.Cl. E21B 44/00 (2006.01)**
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[54] **DRILLING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE FORAGE**
[72] FIDJESTOL, RAGNHILD MORNER, NO
[72] BRANDSVOLL, THOR ARNE, NO
[72] HAUGLAND, ANN JORID, NO
[72] KOSTOL, KAI ADNE, NO
[71] MHWIRTH AS, NO
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[54] **DIAGNOSIS METHOD FOR DISEASES ACCOMPANIED BY REDUCED BONE DENSITY**
[54] **PROCEDE DE DIAGNOSTIC DE MALADIES LIEES A UNE DENSITE OSSEUSE REDUITE**
[72] EISENHAUER, ANTON, DE
[71] GEOMAR HELMHOLTZ-ZENTRUM FUR OZEANFORSCHUNG KIEL, DE
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[54] **SYSTEMS AND METHODS FOR EFFICIENT FOGPONIC AGRICULTURE**
[54] **SYSTEMES ET PROCEDES POUR UNE AGRICULTURE DE TYPE CULTURE AEROPONIQUE A ULTRASONS EFFICACE**
[72] BOUCHARD, SERGE J., US
[71] AGRITAINER, LLC, US
[85] 2021-02-09
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[54] **RADIATION MEASUREMENT DEVICE**
[54] **DISPOSITIF DE MESURE DE RAYONNEMENT**
[72] YAHATA, HIDETAKA, JP
[72] NAKAI, TOSHIMITSU, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2021-02-10
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[51] **Int.Cl. A23K 50/80 (2016.01) A23K 10/30 (2016.01) A23K 20/10 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01)**
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[54] **FEED COMPOSITIONS AND FEED ADDITIVE COMPOSITIONS FOR AQUACULTURE SPECIES**
[54] **COMPOSITIONS ALIMENTAIRES ET COMPOSITIONS D'ADDITIFS ALIMENTAIRES POUR ESPECES D'AQUACULTURE**
[72] KOPPIEN-FOX, JESSICA ELIZABETH, US
[72] LAMB, RICHARD DALE, US
[71] RALCO NUTRITION, INC., US
[85] 2021-02-09
[86] 2019-08-28 (PCT/US2019/048664)
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[54] **COMBINATION THERAPIES COMPRISING SIRP ALPHA-BASED CHIMERIC PROTEINS**
[54] **THERAPIES COMBINEES COMPRENANT DES PROTEINES CHIMERIQUES A BASE DE SIRP ALPHA**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[71] SHATTUCK LABS, INC., US
[85] 2021-02-09
[86] 2019-08-29 (PCT/US2019/048913)
[87] (WO2020/047319)
[30] US (62/724,600) 2018-08-29
[30] US (62/734,951) 2018-09-21
[30] US (62/793,235) 2019-01-16
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[54] **METHODS FOR EXTRACTING CONSTITUENTS FROM PLANT MATERIAL AND APPARATUS AND PRODUCTS THEREOF**
[54] **PROCEDES D'EXTRACTION DE CONSTITUANTS PRESENTS DANS UN MATERIEL VEGETAL ET APPAREIL ET PRODUITS ASSOCIES**
[72] KERRY, PAUL J., US
[72] MAURER, BRAD J., US
[71] HURON BOTANICALS, LLC, US
[85] 2021-02-10
[86] 2019-08-12 (PCT/US2019/000038)
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[54] **COMPOSITION FOR PREVENTING TRANSMISSION OF HUMAN IMMUNODEFICIENCY VIRUS**
[54] **COMPOSITION POUR PREVENIR LA TRANSMISSION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] MATSUDA, TOMOTAKE, JP
[72] NAKAMURA, TAKAO, JP
[71] MATSUDA, TOMOTAKE, JP
[71] NAKAMURA, TAKAO, JP
[85] 2021-02-10
[86] 2019-08-22 (PCT/JP2019/032736)
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[25] EN
[54] **COMBINATION THERAPIES COMPRISING TIM-3-BASED CHIMERIC PROTEINS**
[54] **POLYTHERAPIES COMPRENANT DES PROTEINES CHIMERES A BASE DE TIM-3**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[71] SHATTUCK LABS, INC., US
[85] 2021-02-09
[86] 2019-08-29 (PCT/US2019/048916)
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[30] US (62/724,597) 2018-08-29
[30] US (62/724,600) 2018-08-29
[30] US (62/734,951) 2018-09-21
[30] US (62/734,950) 2018-09-21
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[51] **Int.Cl. B60B 11/06 (2006.01) B60B 3/02 (2006.01)**
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[54] **VEHICLE WHEEL AND METHODS OF MAKING AND USING A VEHICLE WHEEL**
[54] **ROUE DE VEHICULE ET PROCEDES DE FABRICATION ET D'UTILISATION D'UNE ROUE DE VEHICULE**
[72] MASON, DOUGLAS, US
[71] HOWMET AEROSPACE INC., US
[85] 2021-02-10
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[54] **CONSERVING MIXED REFRIGERANT IN NATURAL GAS LIQUEFACTION FACILITIES**
[54] **CONSERVATION DE FLUIDE FRIGORIGENE MIXTE DANS DES INSTALLATIONS DE LIQUEFACTION DE GAZ NATUREL**
[72] RYBERG, BRETT L., US
[72] WRIGHT, STEPHEN, US
[72] TADANO, KENICHI, JP
[72] WATANABE, NAOKI, JP
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] **FLT3L-BASED CHIMERIC PROTEINS**
[54] **PROTEINES CHIMERIQUES A BASE DE FLT3L**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[71] SHATTUCK LABS, INC., US
[85] 2021-02-09
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[54] **MECANISME D'EQUILIBRAGE DE PRESSION DESTINE A UN RACCORD**
[72] LEVY, DAVID, US
[71] PETROTECHNOLOGIES, INC., US
[85] 2021-02-10
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[54] **COMBINATION THERAPIES COMPRISING PD-1-BASED CHIMERIC PROTEINS**
[54] **THERAPIES COMBINEES COMPRENANT DES PROTEINES CHIMERIQUES A BASE DE PD -1**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[71] SHATTUCK LABS, INC., US
[85] 2021-02-09
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[54] **INTRAVENOUS PRIMING CAP**
[54] **CAPUCHON D'AMORCAGE INTRAVEINEUX**
[72] PARK, SOON, US
[72] SHEVGOOR, SIDDARTH K., US
[72] MA, PETER, CN
[72] LI, JIAGUI, CN
[71] CAREFUSION 303, INC., US
[85] 2021-02-10
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[54] **ADAPTIVE ACCELERATION CONTROL FOR PACKAGING MACHINE**
[54] **COMMANDE D'ACCELERATION ADAPTATIVE POUR MACHINE D'EMBALLAGE**
[72] PETTERSSON, NIKLAS, SE
[71] PACKSIZE LLC, US
[85] 2021-02-09
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[54] **RECLAIMING APPARATUS AND METHOD, AND CO2 RECOVERY APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE RECUPERATION ET APPAREIL ET METHODE DE RECUPERATION DE CO2**
[72] MIYAMOTO, OSAMU, US
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2021-02-10
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[54] **MATERIAUX COMPOSITES MANIPULES**
[72] FORGACS, ANDRAS, US
[72] NG, CHI M., US
[71] MODERN MEADOW, INC., US
[85] 2021-02-09
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[87] (WO2020/047458)
[30] US (62/725,674) 2018-08-31

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[54] **SPLIT FLOW PUMPING SYSTEM CONFIGURATION**
[54] **CONFIGURATION DE SYSTEME DE POMPAGE A ECOULEMENT DIVISE**
[72] MAZROOEE, MEHDI, US
[72] HUNTER, TIMOTHY HOLIMAN, US
[72] STEPHENSON, STANLEY V., US
[72] ADAMS, MARK A., US
[71] HALIBURTON ENERGY SERVICES, INC., US
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[54] **SINGLE-CHAIN AND MULTI-CHAIN CHIMERIC POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES CHIMERES A CHAINE UNIQUE ET A CHAINES MULTIPLES ET LEURS UTILISATIONS**
[72] WONG, HING, US
[71] HCW BIOLOGICS, INC., US
[85] 2021-02-09
[86] 2019-08-30 (PCT/US2019/049158)
[87] (WO2020/047473)
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[30] US (62/817,241) 2019-03-12
[30] US (62/725,038) 2018-08-30
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[30] US (62/749,007) 2018-10-22
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[25] EN
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[54] **SYSTEME ET PROCEDE DE DISTRIBUTION D'ENERGIE ELECTRIQUE POUR MACHINE D'EXPLOITATION MINIERE ELECTRIQUE**
[72] HUFF, BRIAN R., US
[72] HICKEY, KYLE, US
[72] VOCHOSKA, CHRISTOPHER, US
[71] ARTISAN VEHICLE SYSTEMS, INC., US
[85] 2021-02-09
[86] 2019-09-06 (PCT/US2019/049911)
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[30] US (62/727,930) 2018-09-06
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[51] **Int.Cl. A61K 31/517 (2006.01) A61K 31/4709 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
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[54] **INHIBITION OF RIP KINASES FOR TREATING NEURODEGENERATIVE DISORDERS**
[54] **INHIBITION DE KINASES RIPK POUR TRAITER DES MALADIES NEURODEGENERATIVES**
[72] LEE, SEULKI, US
[72] KO, HAN SEOK, US
[72] DAWSON, TED M., US
[72] POMPER, MARTIN G., US
[72] KIM, DONGHOON, KR
[72] OH, YUMIN, US
[72] KWON, SEUNG-HWAN, US
[72] PARK, YONG JOO, KR
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2021-02-10
[86] 2019-08-30 (PCT/US2019/049071)
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[54] **CALF STRETCHING APPARATUS**
[54] **APPAREIL D'ETIREMENT DE MOLLET**
[72] BAROUCHE, DAVID, US
[71] BAROUCHE, DAVID, US
[85] 2021-02-10
[86] 2018-11-21 (PCT/US2018/062352)
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[25] EN
[54] **TELESCOPIC FOUNTAIN NOZZLE WITH DISCRETE EXTENSION AND WATER ACTIVATION**
[54] **BUSE DE FONTAINE TELESCOPIQUE A EXTENSION DISCRETE ET A ACTIVATION DE L'EAU**
[72] CHURCHILL, DAVID MICHAEL, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-02-10
[86] 2019-09-04 (PCT/US2019/049470)
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[30] US (62/727,598) 2018-09-06
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[25] EN
[54] **TRANSPORTATION FIXTURES FOR WIND TURBINE BLADES**
[54] **DISPOSITIFS DE FIXATION POUR LE TRANSPORT DE PALES D'EOLIENNE**
[72] SULLIVAN, ANDREW J., US
[72] ALVAREZ, ALBERTO J., US
[71] BNSF LOGISTICS, LLC, US
[85] 2021-02-10
[86] 2019-01-17 (PCT/US2019/013961)
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[51] **Int.Cl. H04R 1/02 (2006.01) H01R 13/52 (2006.01) H04R 1/10 (2006.01) H04R 1/34 (2006.01) H04R 1/44 (2006.01) H04R 5/033 (2006.01) H04R 25/00 (2006.01)**
[25] EN
[54] **EARPLUG WITH WIRELESS AUDIO COMMUNICATION**
[54] **OREILLETTE AVEC COMMUNICATION AUDIO SANS FIL**
[72] BLUNDELL, MICHAEL PEARSON, US
[72] HUDSON, CHRISTOPHER A., US
[72] BRUTLER, ZOLTAN S., US
[71] GENTEX CORPORATION, US
[85] 2021-02-10
[86] 2019-09-04 (PCT/US2019/049515)
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[30] US (62/727,327) 2018-09-05

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[51] **Int.Cl. H04N 19/82 (2014.01) H04N 19/423 (2014.01)**
[25] EN
[54] **TEMPORAL PREDICTION OF ADAPTIVE LOOP FILTER PARAMETERS WITH REDUCED MEMORY CONSUMPTION FOR VIDEO CODING**
[54] **PREDICTION TEMPORELLE DE PARAMETRES DE FILTRE A BOUCLE ADAPTATIFS A CONSOMMATION DE MEMOIRE REDUITE POUR CODAGE VIDEO**
[72] EGILMEZ, HILMI ENES, US
[72] HU, NAN, US
[72] SEREGIN, VADIM, US
[72] CHIEN, WEI-JUNG, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2021-02-10
[86] 2019-09-12 (PCT/US2019/050836)
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[30] US (62/730,504) 2018-09-12
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[54] **ANTIBIOTIC SOLUTION AND METHOD OF INJECTION TO PREVENT OPHTHALMIC INFECTIONS**
[54] **SOLUTION ANTIBIOTIQUE ET PROCEDE D'INJECTION POUR PREVENIR DES INFECTIONS OPHTALMIQUES**
[72] AHEE, JASON, US
[71] AHEE, JASON, US
[85] 2021-02-10
[86] 2019-01-31 (PCT/US2019/016144)
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[30] US (16/101,828) 2018-08-13

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[51] **Int.Cl. E21B 10/60 (2006.01) E21B 10/43 (2006.01)**
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[54] **DOWNHOLE TOOLS WITH IMPROVED ARRANGEMENT OF CUTTERS**
[54] **OUTILS DE FOND DE TROU COMPORTANT UN AGENCEMENT AMELIORE DE DISPOSITIFS DE COUPE**
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[72] DEEN, CARL ARON, US
[71] ULTERRA DRILLING TECHNOLOGIES, L.P., US
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[54] **DYNAMIC CONTENT SERVING USING AUTOMATED CONTENT RECOGNITION (ACR) AND DIGITAL MEDIA WATERMARKS**
[54] **DIFFUSION DE CONTENU DYNAMIQUE UTILISANT UNE RECONNAISSANCE AUTOMATIQUE DE CONTENU (ACR) ET DES FILIGRANES MULTIMEDIAS NUMERIQUES**
[72] NEUMEIER, ZEEV, US
[72] HOARTY, W. LEO, US
[71] INSCAPE DATA, INC., US
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[25] EN
[54] **ANTHRANILIC ACID DERIVATIVES AND THEIR USE IN THE TREATMENT OF HUMAN CANCERS**
[54] **INHIBITEURS DE TRANSPORT DE POLYAMINE A BASE DE NON-POLYAMINE ET LEUR UTILISATION DANS LE TRAITEMENT DE CANCERS HUMAINS**
[72] PHANSTIEL IV, OTTO, US
[72] MOOTS, HOLLY, US
[72] MALONEY, PATRICK, US
[72] HERSHBERGER, PAUL, US
[72] PEDDIBHOTLA, SATYAMAHESHWAR, US
[71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[71] SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE, US
[85] 2021-02-10
[86] 2019-08-12 (PCT/US2019/046122)
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[54] **SURGICAL CLIP FOR SIMULTANEOUS BLEEDING CONTROL OF A BLOOD VESSEL AND CUTTING**
[54] **PINCE CHIRURGICALE POUR CONTROLE DE SAIGNEMENT ET DECOUPE SIMULTANES D'UN VAISSEAU SANGUIN**
[72] SIEGENTHALER, MICHAEL, US
[71] SIEGENTHALER, MICHAEL, US
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[54] **TREATMENT OF RELAPSED FOLLICULAR LYMPHOMA**
[54] **TRAITEMENT D'UN LYMPHOME FOLLICULAIRE RECIDIVANT**
[72] GOLD, DANIEL P., US
[71] MEI PHARMA, INC., US
[85] 2021-02-10
[86] 2019-08-13 (PCT/US2019/046408)
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[54] **ACTIVITY SENSOR DESIGN**
[54] **CONCEPTION DE CAPTEUR D'ACTIVITE**
[72] BHATIA, SANGEETA, US
[72] KWONG, GABRIEL, US
[72] HUANG, ERIC, US
[72] BANERJEE, SIRSHENDU ROOPOM, US
[72] WARREN, ANDREW, US
[72] CAZANAVE, SOPHIE, US
[71] GLYMPSE BIO, INC., US
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[54] **COMPACT MULTI-POLE QUANTUM BIT MEASUREMENT FILTER**
[54] **FILTRE DE MESURE DE BIT QUANTIQUE MULTIPOLAIRE COMPACT**
[72] KELLY, JULIAN SHAW, US
[71] GOOGLE LLC, US
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[54] **DOWNHOLE VIBRATION TOOL FOR DRILL STRING**
[54] **OUTIL DE VIBRATION DE FOND DE TROU POUR TRAIN DE TIGES DE FORAGE**
[72] ROSEMAN, MATTHEW B., US
[72] CASAD, CHRISTOPHER M., US
[72] DAMIAN, THOMAS A., US
[72] MAW, JASON C., CA
[71] ULTERRA DRILLING TECHNOLOGIES, L.P., US
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[25] EN
[54] **A SELECTIVE CATALYTIC REDUCTION PROCESS AND METHOD OF REGENERATING DEACTIVATED SCR CATALYST OF A PARALLEL FLUE GAS TREATING SYSTEM**
[54] **PROCEDE DE REDUCTION CATALYTIQUE SELECTIVE ET PROCEDE DE REGENERATION D'UN CATALYSEUR SCR DESACTIVE D'UN SYSTEME DE TRAITEMENT DE GAZ DE COMBUSTION PARALLELE**
[72] SENG, GUIDO, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2021-02-10
[86] 2019-08-16 (PCT/US2019/046877)
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[25] EN
[54] **POLYELEMENTAL HETEROSTRUCTURE NANOPARTICLES AND METHODS OF MAKING THE SAME**
[54] **NANOPARTICULES POLYELEMENTAIRES HETEROSTRUCTURALES ET LEURS PROCEDES DE FABRICATION**
[72] MIRKIN, CHAD A., US
[72] CHEN, PENGCHENG, US
[71] NORTHWESTERN UNIVERSITY, US
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[54] **BENZOTHIOPHENE ESTROGEN RECEPTOR MODULATORS TO TREAT MEDICAL DISORDERS**
[54] **MODULATEURS DE RECEPTEUR D'OESTROGENE A BASE DE BENZOTHIOPHENE POUR LE TRAITEMENT DE TROUBLES MEDICAUX**
[72] STRUM, JAY COPELAND, US
[71] G1 THERAPEUTICS, INC., US
[85] 2021-02-10
[86] 2019-08-16 (PCT/US2019/046892)
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[54] **METHOD FOR TREATING PANCREATIC CANCER**
[54] **METHODE DE TRAITEMENT DU CANCER DU PANCREAS**
[72] WEETALL, MARLA L., US
[72] CAO, LIANGXIAN, US
[72] DAVIS, THOMAS W., US
[72] DUMBLE, MELISSA L., US
[72] EBERLE-SINGH, JAIME A., US
[72] OLIVE, KENNETH P., US
[71] PTC THERAPEUTICS, INC., US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
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[54] **PROGRESSIVE OPTICAL DESIGNS FOR DIFFERENT ADD POWERS**
[54] **CONCEPTIONS OPTIQUES PROGRESSIVES POUR DIFFERENTES PUISSANCES D'ADDITION**
[72] NAFTALOVICH, RAANAN MOSHE, IL
[72] ATIAS, RIKI, IL
[72] SHUR, ALEX, IL
[71] SHAMIR OPTICAL INDUSTRY LTD., IL
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[51] **Int.Cl. C01B 39/48 (2006.01) B01J 29/00 (2006.01)**
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[54] **A PROCESS FOR MAKING MOLECULAR SIEVES**
[54] **PROCEDE DE PRODUCTION DE TAMIS MOLECULAIRES**
[72] KAMAKOTI, PREETI, US
[72] WEIGEL, SCOTT J., US
[72] STROHMAIER, KARL G., US
[72] JAENSCH, HELGE, BE
[72] ANTHONIS, MARC H., BE
[72] DICTUS, MARTINE, BE
[72] ENGELS, BRITA, BE
[72] LACY, DARRYL D., US
[72] SARTIPI, SINA, BE
[71] EXXON RESEARCH AND ENGINEERING COMPANY, US
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[54] **METHODS RELATED TO BRONCHIAL PREMALIGNANT LESION SEVERITY AND PROGRESSION**
[54] **METHODES LIEES A LA GRAVITE ET A LA PROGRESSION D'UNE LESION PREMALIGNE BRONCHIQUE**
[72] BEANE-EBEL, JENNIFER E., US
[72] SPIRA, AVRUM E., US
[72] LENBURG, MARC, US
[72] REID, MARY, US
[72] MAZZILLI, SARAH, US
[71] TRUSTEES OF BOSTON UNIVERSITY, US
[71] HEALTH RESEARCH, INC., US
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[25] EN
[54] **IN VITRO DETECTION OF NUCLEIC ACID**
[54] **DETECTION IN VITRO D'UN ACIDE NUCLEIQUE**
[72] BLAKE, WILLIAM JEREMY, US
[72] BROWN III, CARL W., US
[72] VIGNEAULT, FREDERIC, US
[72] COLLINS, JAMES J., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2021-02-10
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[51] **Int.Cl. E21B 33/13 (2006.01) E21B 29/08 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **DUEL END FIRING EXPLOSIVE COLUMN TOOLS AND METHODS FOR SELECTIVELY EXPANDING A WALL OF A TUBULAR**
[54] **OUTILS DE COLONNE A DOUBLE EXTREMITE DE MISE A FEU D'EXPLOSIF ET PROCEDES D'EXPANSION SELECTIVE D'UNE PAROI DE MATERIEL TUBULAIRE**
[72] RAIRIGH, JAMES G., US
[71] RAIRIGH, JAMES G., US
[85] 2021-02-09
[86] 2019-08-15 (PCT/US2019/046692)
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[51] **Int.Cl. F42D 1/02 (2006.01) F42D 3/04 (2006.01)**
[25] EN
[54] **BIDIRECTIONAL WIRELESS DETONATOR SYSTEM**
[54] **SYSTEME DE DETONATEUR SANS FIL BIDIRECTIONNEL**
[72] MAURISSENS, DANIEL AUGUST JULIEN LOUIS, ZA
[72] MULLER, ELMAR LENNOX, ZA
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
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[54] **SOLAR ENERGY COLLECTOR HAVING A TREE STRUCTURE**
[54] **COLLECTEUR D'ENERGIE SOLAIRE AYANT UNE STRUCTURE ARBORESCENTE**
[72] GUPTA, VIVEK, CA
[71] GUPTA, VIVEK, CA
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[51] **Int.Cl. C07C 67/08 (2006.01) C07C 69/54 (2006.01)**
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[54] **PREPARATION OF (METH)ACRYLIC ACID ESTERS**
[54] **PREPARATION D'ESTERS D'ACIDE (METH)ACRYLIQUE**
[72] TRESKOW, MARCEL, DE
[72] BEYER, SILVIA, DE
[72] SCHUTZ, THORBEN, DE
[72] KRILL, STEFFEN, DE
[71] EVONIK OPERATIONS GMBH, DE
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[51] **Int.Cl. F03G 3/00 (2006.01) F03G 7/10 (2006.01) H02K 53/00 (2006.01)**
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[54] **TORQUE MULTIPLIER AND ELECTRICAL GENERATOR COMPRISING SAID TORQUE MULTIPLIER ASSOCIATED WITH AN OSCILLATING MASS WITH A VARIABLE CENTRE OF GRAVITY**
[54] **MULTIPLICATEUR DE COUPLE ET GENERATEUR ELECTRIQUE COMPRENANT CE MULTIPLICATEUR DE COUPLE ASSOCIE A UNE MASSE OSCILLANTE A CENTRE DE GRAVITE VARIABLE**
[72] VARGAS, EDISON, BR
[71] PREDICT CONSULTORIA TECNOLOGIA LTDA, BR
[85] 2021-02-11
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[51] **Int.Cl. C08K 5/372 (2006.01) C08K 5/548 (2006.01) C08L 9/00 (2006.01) C08L 9/06 (2006.01)**
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[54] **RUBBER MIXTURES**
[54] **MELANGES DE CAOUTCHOUC**
[72] WEHMEIER, ANDRE, DE
[72] ROBEN, CAREN, DE
[72] ERHARDT, SASCHA, DE
[72] HERMEKE, JULIA, DE
[72] MOSER, RALPH, US
[72] BAUER, ELISABETH, DE
[72] ROSENSTINGL, SEBASTIAN, DE
[72] MAYER, STEFANIE, DE
[71] EVONIK OPERATIONS GMBH, DE
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[25] EN
[54] **BRAKE PAD ASSEMBLY FOR A BICYCLE & METHOD FOR ASSEMBLING A BRAKE PAD ASSEMBLY FOR A BICYCLE**
[54] **ENSEMBLE PATIN DE FREIN POUR BICYCLETTE ET PROCEDE D'ASSEMBLAGE DUDIT ENSEMBLE**
[72] ARBESMAN, ROMAN, CA
[71] NUCAP INDUSTRIES INC., CA
[85] 2021-02-11
[86] 2019-08-09 (PCT/CA2019/051092)
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[51] **Int.Cl. H05B 6/10 (2006.01) F16L 53/34 (2018.01) H05B 6/44 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR HEATING A FLUID IN A PIPELINE**
[54] **DISPOSITIF ET PROCEDE DE CHAUFFAGE D'UN FLUIDE DANS UNE CONDUITE TUBULAIRE**
[72] WECK, ALEXANDER, DE
[72] LAIB, HEINRICH, DE
[71] BASF SE, DE
[85] 2021-02-11
[86] 2019-08-15 (PCT/EP2019/071970)
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[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] REINMULLER, VIKTORIA, CH
[72] MARTY, ROMAN, CH
[72] WAGNIERES, OLIVIER, CH
[72] GUALTIEROTTI, JEAN-BAPTISTE, CH
[72] KUPPERS, VERENA, CH
[71] XENIOPRO GMBH, DE
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[86] 2019-08-23 (PCT/EP2019/072633)
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[25] EN
[54] **APPARATUS FOR BEDDING CLIMATE CONTROL SYSTEM AND METHOD TO USE THE SAME**
[54] **APPAREIL POUR SYSTEME DE COMMANDE DE CLIMATISATION DE LITERIE ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] LEMIEUX, MARC-ANDRE, CA
[71] 9381-6031 QUEBEC INC., CA
[85] 2021-02-11
[86] 2019-08-20 (PCT/CA2019/051131)
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[54] **NOVEL AROMATIC MOLECULES**
[54] **NOUVELLES MOLECULES AROMATIQUES**
[72] REINMULLER, VIKTORIA, CH
[72] MARTY, ROMAN, CH
[72] WAGNIERES, OLIVIER, CH
[72] GUALTIEROTTI, JEAN-BAPTISTE, CH
[72] KUPPERS, VERENA, CH
[71] XENIOPRO GMBH, DE
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[54] **NETWORK-ASSISTED CLEAR CHANNEL ASSESSMENT BANDWIDTH ADAPTATION MECHANISM**
[54] **MECANISME D'ADAPTATION DE BANDE PASSANTE D'EVALUATION DE CANAL LIBRE ASSISTE PAR RESEAU**
[72] SALEM, MOHAMED ADEL, CA
[72] ZHANG, JIAYIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-02-11
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[51] **Int.Cl. G01M 3/02 (2006.01) E04D 13/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DETECTING A LEAK**
[54] **DISPOSITIF ET PROCEDE DE DETECTION D'UNE FUITE**
[72] TRUMMER, JOHANN, AT
[71] TRUMMER, JOHANN, AT
[85] 2021-02-11
[86] 2019-07-18 (PCT/EP2019/069334)
[87] (WO2020/030397)
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[54] **PREPARATION OF DIESTERS OF (METH)ACRYLIC ACID FROM EPOXIDES**
[54] **PREPARATION DE DIESTERS D'ACIDE (METH)ACRYLIQUE A PARTIR D'EPOXYDES**
[72] TRESKOW, MARCEL, DE
[72] GLOCK, MARTIN, DE
[72] GRAFF, GUNTHER, DE
[72] SCHUTZ, THORBEN, DE
[72] KRILL, STEFFEN, DE
[71] EVONIK OPERATIONS GMBH, DE
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[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED CELL CULTURING**
[54] **SYSTEMES ET PROCEDE DE CULTURE CELLULAIRE AUTOMATISEE**
[72] AFSHAR, ALI, GB
[72] CUNNINGHAM, JAMES, GB
[72] MISKIN, HENRY, GB
[72] WILLATS, IGNACIO, GB
[71] CYTERA CELLWORKS, LTD., GB
[85] 2021-02-11
[86] 2019-08-19 (PCT/EP2019/072115)
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[30] US (62/719,652) 2018-08-19

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[25] EN
[54] **PHENOXY(HETERO)ARYL ETHERS OF ANTIPROLIFERATIVE ACTIVITY**
[54] **ETHERS PHENOXY(HETERO)ARYLE A ACTIVITE ANTIPROLIFERATIVE**
[72] REINMULLER, VIKTORIA, CH
[72] MARTY, ROMAN, CH
[72] WAGNIERES, OLIVIER, CH
[72] GUALTIEROTTI, JEAN-BAPTISTE, CH
[72] KUPPERS, VERENA, CH
[71] XENIOPRO GMBH, DE
[85] 2021-02-11
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[25] EN
[54] **SAVONIUS WIND TURBINE RATIOS**
[54] **RATIOS D'EOLIENNE SAVONIUS**
[72] FARB, MARK DANIEL, US
[71] FARB, MARK DANIEL, US
[85] 2021-02-11
[86] 2019-10-30 (PCT/IL2019/051172)
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[51] **Int.Cl. A61K 39/12 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PRODUCING A VIRUS**
[54] **PROCEDES ET COMPOSITIONSPOUR PRODUIRE UN VIRUS**
[72] GILBERT, SARAH, GB
[72] MORRIS, SARAH JANE, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2021-02-11
[86] 2019-08-30 (PCT/EP2019/073181)
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[25] EN
[54] **NEOANTIGEN TARGETING DNA VACCINE FOR COMBINATION THERAPY**
[54] **VACCIN ADN CIBLANT UN NEO-ANTIGENE POUR POLYTHERAPIE**
[72] LUBENAU, HEINZ, DE
[71] VAXIMM AG, CH
[85] 2021-02-11
[86] 2019-09-04 (PCT/EP2019/073564)
[87] (WO2020/049036)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING LEBER'S HEREDITARY OPTIC NEUROPATHY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA NEUROPATHIE OPTIQUE HEREDITAIRE DE LEBER**
[72] LI, BIN, CN
[71] WUHAN NEUROPHTH BIOLOGICAL TECHNOLOGY LIMITED COMPANY, CN
[85] 2021-02-11
[86] 2019-08-20 (PCT/CN2019/101538)
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[30] CN (201810948193.1) 2018-08-20
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[30] CN (201811221305.X) 2018-10-19
[30] CN (201811230856.2) 2018-10-22
[30] CN (PCT/CN2018/113799) 2018-11-02
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[25] EN
[54] **NS1-BINDING PROTEIN AND USES THEREOF**
[54] **PROTEINE DE LIAISON A NS1 ET SES APPLICATIONS**
[72] CUI, PENG, CN
[72] HE, ZHIQIANG, CN
[72] MENG, YUAN, CN
[72] ZHONG, DONGMEI, CN
[71] GUANGDONG FEIPENG BIOLOGICAL CO., LTD., CN
[85] 2021-02-11
[86] 2019-08-26 (PCT/CN2019/102631)
[87] (WO2020/043068)
[30] CN (201810999045.2) 2018-08-28

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[25] EN
[54] **PIZZA BOX WITH ROTARY DISC**
[54] **BOITE A PIZZA AVEC DISQUE ROTATIF**
[72] KOOIMAN, ANTHONIUS JOHANNES ALBERTUS, NL
[71] CARTONNEY B.V., NL
[85] 2021-02-11
[86] 2019-08-09 (PCT/NL2019/050525)
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[30] NL (2021458) 2018-08-11

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[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED JOINT FOR STEEL PIPES**
[54] **RACCORD FILETE POUR TUYAUX EN ACIER**
[72] SUGINO, MASAAKI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2021-02-11
[86] 2019-07-01 (PCT/JP2019/026013)
[87] (WO2020/039750)
[30] JP (2018-154574) 2018-08-21

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[51] **Int.Cl. F16B 12/10 (2006.01) A47B 47/04 (2006.01) F16B 12/02 (2006.01) F16B 12/12 (2006.01) F16B 12/24 (2006.01) F16B 12/26 (2006.01)**
[25] EN
[54] **SET OF PANELS WITH A MECHANICAL LOCKING DEVICE**
[54] **ENSEMBLE DE PANNEAUX A DISPOSITIF DE VERROUILLAGE MECANIQUE**
[72] SVENSSON, JOHAN, SE
[72] DERELOV, PETER, SE
[71] VALINGE INNOVATION AB, SE
[85] 2021-02-11
[86] 2019-08-28 (PCT/SE2019/050801)
[87] (WO2020/046193)
[30] SE (1851028-9) 2018-08-30

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[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **REFRIGERANT COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE FLUIDE FRIGORIGENE ET UTILISATION ASSOCIEE**
[72] LOW, ROBERT E., GB
[71] MEXICHEM FLUOR S.A. DE C.V., MX
[85] 2021-02-11
[86] 2019-08-14 (PCT/GB2019/052290)
[87] (WO2020/035690)
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[51] **Int.Cl. E21B 33/127 (2006.01)**
[25] EN
[54] **IMPROVED ISOLATION BARRIER ASSEMBLY**
[54] **ENSEMBLE BARRIERE D'ISOLATION AMELIOREE**
[72] RADTKE, CAMERON HILL, GB
[72] COCKRILL, CHRISTOPHER BRIAN KEVIN, GB
[72] TURRELL, PHILIP HENRY, GB
[71] MORPHPACKERS LIMITED, GB
[85] 2021-02-11
[86] 2019-09-16 (PCT/GB2019/052590)
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[51] **Int.Cl. A61K 31/17 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **STABLE READY-TO-USE CARMUSTINE PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE STABLE PRETE A L'EMPLOI A BASE DE CARMUSTINE**
[72] PRAMANICK, SOUGATA, IN
[72] BURHAN, AASIYA ASLAM, IN
[72] GURJAR, MUKUND KESHAV, IN
[72] GONDALIYA, DEEPAK PRAGJIBHAI, IN
[72] PATEL, HIREN PRAVINBHAI, IN
[71] EMCURE PHARMACEUTICALS LTD., IN
[85] 2021-02-11
[86] 2019-09-03 (PCT/IB2019/057404)
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[51] **Int.Cl. C09D 11/30 (2014.01) B32B 27/00 (2006.01) B32B 27/40 (2006.01) B41M 5/00 (2006.01)**
[25] EN
[54] **WATER-BASED INKJET INK COMPOSITION FOR LAMINATING, PRINTED MATTER USING SAME, LAMINATED PRODUCT, AND LAMINATING METHOD**
[54] **COMPOSITION D'ENCRE POUR JET D'ENCRE A BASE AQUEUSE POUR STRATIFICATION, MATIERE IMPRIMEE UTILISANT CELLE-CI, PRODUIT STRATIFIE ET PROCEDE DE STRATIFICATION**
[72] SATO, YOICHI, JP
[72] MORIYASU, KAZUKI, JP
[72] TAKAHASHI, ERI, JP
[72] SANO, TAKAAKI, JP
[71] SAKATA INX CORP., JP
[85] 2021-02-11
[86] 2019-07-24 (PCT/JP2019/029037)
[87] (WO2020/039832)
[30] JP (2018-154169) 2018-08-20

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[51] **Int.Cl. A63D 15/00 (2006.01) A63D 15/20 (2006.01)**
[25] EN
[54] **BILLIARD MONITORING AND MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE ET DE GESTION DE BILLARD**
[72] BOUCHARD, DAVID, CA
[72] COTE, FRANCIS, CA
[72] GAUDET, NIL, CA
[72] LAVALLEE, CHRISTIAN, CA
[71] COMPUSPORT INC., CA
[85] 2021-02-09
[86] 2019-08-09 (PCT/CA2019/000115)
[87] (WO2020/028970)
[30] US (62/716,419) 2018-08-09

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[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED JOINT FOR STEEL PIPES**
[54] **RACCORD FILETE POUR TUYAUX EN ACIER**
[72] INOSE, KEITA, JP
[72] NAKANO, HIKARI, JP
[72] SUGINO, MASAAKI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2021-02-11
[86] 2019-08-01 (PCT/JP2019/030172)
[87] (WO2020/039875)
[30] JP (2018-157837) 2018-08-24

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[13] A1
[51] **Int.Cl. G02F 1/11 (2006.01) G02B 21/00 (2006.01) G02F 1/33 (2006.01)**
[25] EN
[54] **METHOD OF SCANNING AN OPTICAL BEAM USING AN ACOUSTO-OPTIC DEFLECTOR DRIVEN BY CHIRPED ACOUSTIC SIGNALS**
[54] **PROCEDE DE BALAYAGE D'UN FAISCEAU OPTIQUE AU MOYEN D'UN DEFLECTEUR ACOUSTO-OPTIQUE ENTRAINE PAR DES SIGNAUX ACOUSTIQUES DE FREQUENCE MODULEE**
[72] KATONA, GERGELY, HU
[72] FEHER, ANDRAS, HU
[72] VERESS, MATE, HU
[72] MAAK, PAL, HU
[72] SZALAY, GERGELY, HU
[72] CHIOVINI, BALAZS, HU
[72] SZADAI, ZOLTAN, HU
[72] SULCZ-JUDAK, LINDA, HU
[72] ROZSA, BALAZS JOZSEF, HU
[71] FEMTONICS KFT., HU
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[87] (WO2020/035710)
[30] HU (P1800286) 2018-08-14

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[51] **Int.Cl. A42B 1/04 (2021.01)**
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[54] **A HEAD COVER**
[54] **COUVRE-TETE**
[72] LIN, BRIAN E., US
[72] HOWELL, MARGARET A., US
[71] O&M HALYARD, INC., US
[85] 2021-02-11
[86] 2018-08-17 (PCT/IB2018/056246)
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[51] **Int.Cl. A23K 20/189 (2016.01) A61K 38/47 (2006.01) A61P 17/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANIMAL FEED COMPOSITION AND USE THEREOF**
[54] **COMPOSITION D'ALIMENT POUR ANIMAUX ET SON UTILISATION**
[72] CARDOSO BITTENCOURT, LETICIA, CH
[72] LOPEZ-ULIBARRI, RUAL, CH
[72] PEREZ CALVO, ESTEFANIA, CH
[72] RUBIO GARCIA, MARIA ELENA, CH
[71] DSM IP ASSETS B.V., NL
[71] NOVOZYMES A/S, DK
[85] 2021-02-11
[86] 2019-09-11 (PCT/EP2019/074219)
[87] (WO2020/053271)
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[51] **Int.Cl. A61F 13/15 (2006.01) D04H 1/4291 (2012.01) D04H 1/4374 (2012.01) D04H 1/559 (2012.01) A41D 13/00 (2006.01) A42B 1/00 (2021.01) B32B 5/26 (2006.01)**
[25] EN
[54] **WETTABLE SMS MATERIAL FOR PERSONAL PROTECTIVE EQUIPMENT APPLICATIONS**
[54] **MATERIAU SMS MOUILLABLE POUR APPLICATIONS D'EQUIPEMENT DE PROTECTION PERSONNELLE**
[72] LIN, BRIAN E., US
[72] HOWELL, MARGARET A., US
[71] O&M HALYARD, INC., US
[85] 2021-02-11
[86] 2018-08-17 (PCT/IB2018/056248)
[87] (WO2020/035722)

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[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01)**
[25] EN
[54] **CO2 RECOVERY APPARATUS AND CO2 RECOVERY METHOD**
[54] **DISPOSITIF DE RECUPERATION DE CO2 ET PROCEDE DE RECUPERATION DE CO2**
[72] MIYAMOTO, OSAMU, US
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2021-02-11
[86] 2019-09-27 (PCT/JP2019/038295)
[87] (WO2020/075540)
[30] US (16/156,042) 2018-10-10

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[51] **Int.Cl. H02M 7/48 (2007.01)**
[25] EN
[54] **CONTROL DEVICE FOR POWER CONVERSION APPARATUS**
[54] **DISPOSITIF DE COMMANDE POUR APPAREIL DE CONVERSION DE PUISSANCE**
[72] SAWANO, TOMOHIRO, JP
[72] IWAMURA, KAZUKI, JP
[72] KITANO, SHIMPEI, JP
[71] YANMAR POWER TECHNOLOGY CO., LTD., JP
[85] 2021-02-11
[86] 2019-08-01 (PCT/JP2019/030331)
[87] (WO2020/039885)
[30] JP (2018-156430) 2018-08-23

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[51] **Int.Cl. F24F 11/54 (2018.01) F24F 11/65 (2018.01) F24F 11/74 (2018.01) F24F 11/80 (2018.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM**
[54] **SYSTEME DE CLIMATISATION**
[72] KANEMATSU, DAISUKE, JP
[72] FUNADA, NAOYUKI, JP
[72] KONISHI, AYUMI, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2021-02-11
[86] 2019-09-18 (PCT/JP2019/036617)
[87] (WO2020/066801)
[30] JP (2018-181121) 2018-09-27
[30] JP (2019-057585) 2019-03-26
[30] JP (2019-145884) 2019-08-08

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[51] **Int.Cl. F04B 43/12 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **PERISTALTIC PUMP AND ANALYZER FOR TESTING A SAMPLE**
[54] **POMPE PERISTALTIQUE ET ANALYSEUR POUR TESTER UN ECHANTILLON**
[72] NIEMEYER, AXEL, DE
[72] SCHMOLKE, HANNAH, DE
[72] BRUCKMANN, GUENTER, DE
[72] PAULS, HARALD, DE
[72] AMBERG, URSULA, DE
[72] SCHOLZ, GUENTER, DE
[72] WIRT, RENE, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2021-02-11
[86] 2019-09-27 (PCT/EP2019/076218)
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[51] **Int.Cl. H02J 7/04 (2006.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **COMPOSITE POWER STATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES POUR CENTRALE ELECTRIQUE HYBRIDE**
[72] DANNAR, GARY DON, US
[72] HUNG, STEPHEN T., US
[71] DD DANNAR LLC, US
[85] 2021-02-11
[86] 2019-07-10 (PCT/US2019/041231)
[87] (WO2020/014381)
[30] US (62/696,194) 2018-07-10

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[25] EN
[54] **POWDER TRANSPORT CONTAINER**
[54] **RECIPIENT POUR LE TRANSPORT DE POUDRE**
[72] FERRAR, BEN IAN, GB
[72] DEFFLEY, ROB JAMES, GB
[71] LPW TECHNOLOGY LTD, GB
[85] 2021-02-11
[86] 2018-08-15 (PCT/GB2018/052318)
[87] (WO2019/034874)
[30] GB (1713143.4) 2017-08-16

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[25] EN
[54] **LOW PROFILE SURFACE TEMPERATURE SENSOR**
[54] **CAPTEUR DE TEMPERATURE DE SURFACE A PROFIL BAS**
[72] STRICKER, KIT, US
[72] VOLBRECHT, ART, US
[72] HOFF, JOE, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
[85] 2021-02-11
[86] 2019-07-31 (PCT/US2019/044323)
[87] (WO2020/036735)
[30] US (16/103,528) 2018-08-14

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[51] **Int.Cl. A61B 5/055 (2006.01) A61N 5/10 (2006.01) G01R 33/48 (2006.01) G01R 33/58 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER-ACCESSIBLE MEDIUM FOR TISSUE FINGERPRINTING**
[54] **SYSTEME, PROCEDE ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR EMPREINTE TISSULAIRE**
[72] GEETHANATH, SAIRAM, US
[72] VANGURI, RAMI, US
[72] JAMBAWALIKAR, SACHIN R., US
[72] VAUGHAN, JR., JOHN THOMAS, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2021-02-11
[86] 2019-08-12 (PCT/US2019/046129)
[87] (WO2020/036855)
[30] US (62/717,859) 2018-08-12

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[51] **Int.Cl. C08F 220/06 (2006.01) C09D 7/45 (2018.01) C08F 8/12 (2006.01) C09D 5/02 (2006.01) C09D 133/02 (2006.01) C08F 220/18 (2006.01)**
[25] EN
[54] **BRANCHED POLYMERIC DISPERSANTS, AQUEOUS PIGMENT DISPERSIONS, AND AQUEOUS COATING COMPOSITIONS THEREOF**
[54] **DISPERSANTS POLYMERES RAMIFIES, DISPERSIONS DE PIGMENTS AQUEUX ET COMPOSITIONS DE REVETEMENT AQUEUSES ASSOCIEES**
[72] LUNN, DAVID, GB
[72] SEO, SUNGBAEK, KR
[72] HAWKER, CRAIG, US
[72] MCGRATH, ALAINA, US
[72] CLARK, PAUL, US
[72] VAN DYK, ANTONY, US
[72] LEE, SANG-HO, KR
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2021-02-11
[86] 2019-08-01 (PCT/US2019/044640)
[87] (WO2020/046531)
[30] US (62/725,409) 2018-08-31

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[51] **Int.Cl. C03C 3/091 (2006.01) C03C 3/11 (2006.01) C03C 3/118 (2006.01) C03C 4/20 (2006.01) C03C 21/00 (2006.01)**
[25] EN
[54] **ION EXCHANGEABLE BOROSILICATE GLASS COMPOSITIONS AND GLASS ARTICLES FORMED FROM THE SAME**
[54] **COMPOSITIONS DE VERRE BOROSILICATE A IONS ECHANGEABLES ET ARTICLES EN VERRE FORMES PARTIR DE CELLES-CI**
[72] SCHAUT, ROBERT ANTHONY, US
[72] WEEKS, JR., WENDELL PORTER, US
[71] CORNING INCORPORATED, US
[85] 2021-02-11
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[25] EN
[54] **FUEL/AIR SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN CARBURANT/AIR**
[72] DE LATER, MARCO, NL
[72] KORNILOV, VICTOR, NL
[72] DOUTCHEV, ILIAN, NL
[72] SMEETS, PAUL, NL
[71] MICRO TURBINE TECHNOLOGY B.V., NL
[85] 2021-02-11
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[30] NL (2021484) 2018-08-20

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[54] **SYSTEM, METHOD, AND COMPUTER-ACCESSIBLE MEDIUM FOR MAGNETIC RESONANCE VALUE DRIVEN AUTONOMOUS SCANNER**
[54] **SYSTEME, PROCEDE ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR SCANNER AUTONOME ENTRAINE PAR UNE VALEUR DE RESONANCE MAGNETIQUE**
[72] GEETHANATH, SAIRAM, US
[72] SRAVAN RAVI, KEERTHI, US
[72] VAUGHAN, JR., JOHN THOMAS, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2021-02-11
[86] 2019-08-12 (PCT/US2019/046136)
[87] (WO2020/036861)
[30] US (62/717,860) 2018-08-12

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[25] EN
[54] **IMPEDANCE-BASED FLOWLINE WATER CUT MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DE PROPORTION D'EAU DE LIGNE DE PRODUCTION A BASE D'IMPEDANCE**
[72] ALJINDAN, JANA MOHAMMED, SA
[72] NOUI-MEHIDI, MOHAMED NABIL, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-11
[86] 2019-08-07 (PCT/US2019/045417)
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[25] EN
[54] **SET OF PANELS WITH A MECHANICAL LOCKING DEVICE**
[54] **ENSEMBLE DE PANNEAUX COMPRENANT UN DISPOSITIF DE VERROUILLAGE MECANIQUE**
[72] SVENSSON, JOHAN, SE
[72] DERELOV, PETER, SE
[71] VALINGE INNOVATION AB, SE
[85] 2021-02-11
[86] 2019-08-28 (PCT/SE2019/050802)
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[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER-ACCESSIBLE MEDIUM FOR NON-INVASIVE TEMPERATURE ESTIMATION**
[54] **SYSTEME, PROCEDE ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR ESTIMATION DE TEMPERATURE NON INVASIVE**
[72] GEETHANATH, SAIRAM, US
[72] KABIL, JULIE MARIE, US
[72] VAUGHAN, JR., JOHN THOMAS, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2021-02-11
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[25] EN
[54] **FILLED TIRE WITH LAYERS OF FILL HAVING OPEN VOIDS**
[54] **PNEU REMPLI AVEC DES COUCHES DE REMPLISSAGE AYANT DES VIDES OUVERTS**
[72] O'COIN, CHRISTOPHER, CA
[71] JALCOS HOLDINGS INC., CA
[85] 2021-02-11
[86] 2019-03-05 (PCT/IB2019/000212)
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[51] **Int.Cl. H04W 36/00 (2009.01) H04W 84/00 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR NETWORKING ON MOVING PLATFORM FIELD**
[54] **ANTICIPATION D'UN TRANSFERT INTERCELLULAIRE DANS UN RESEAU SUR UNE PLATE-FORME MOBILE**
[72] IVRI, NOAM, IL
[72] ZHAO, WILLIAM, CA
[71] SIEMENS CANADA LIMITED, CA
[85] 2021-02-11
[86] 2018-08-13 (PCT/US2018/046433)
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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE VESSEL SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT DE RECIPIENT DE BOISSON**
[72] THOMPSON, MARK, GB
[72] HAY, DAVID, GB
[72] HOBDEN, STEPHEN, GB
[71] LAVAZZA PROFESSIONAL UK LIMITED, GB
[85] 2021-02-11
[86] 2019-08-16 (PCT/IB2019/000925)
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[25] EN
[54] **ANGLE PIN BUSHING AND INJECTION MOLD SLIDE HAVING SAME**
[54] **BAGUE DE BROCHE D'ANGLE ET COULISSEAU DE MOULE D'INJECTION LA COMPRENANT**
[72] CERNIGLIA, ANTHONY, US
[71] CERNIGLIA, ANTHONY, US
[85] 2021-02-11
[86] 2019-08-14 (PCT/US2019/046572)
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[25] EN
[54] **USING DISTRIBUTED SENSOR DATA TO CONTROL CLUSTER EFFICIENCY DOWNHOLE**
[54] **UTILISATION DE DONNEES DE CAPTEUR DISTRIBUEES POUR COMMANDER UNE EFFICACITE DE GRAPPE DE FOND DE TROU**
[72] MADASU, SRINATH, US
[72] DEV, ASHWANI, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] PRIYADARSHY, SATYAM, US
[71] LANDMARK GRAPHICS CORPORATION, US
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[25] EN
[54] **SUBSTRATE WITH CAMOUFLAGE PATTERN**
[54] **SUBSTRAT A MOTIF DE CAMOUFLAGE**
[72] HULST, JASON, US
[72] BECKLIN, DENNIS STERLING, US
[71] ERA3 LLC, US
[85] 2021-02-12
[86] 2019-08-14 (PCT/US2019/046578)
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[25] EN
[54] **ANGLE STOP ASSEMBLY**
[54] **ENSEMBLE ROBINET D'ARRET EQUERRE**
[72] SOBERANO, ERIC B., US
[72] TALUKDER, NILOY, US
[72] KAPPUS, STEVEN D., US
[72] MYERS, VERNE, US
[72] KOLEKAR, NITIN S., US
[72] HEYDARI, BEHNAM, US
[72] GUNAWARDENA, MAHENDRA, US
[72] SMITH, BENJAMIN, US
[72] LEAVITT, DOUGLAS, US
[71] AS AMERICA, INC., US
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046593)
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[25] EN
[54] **FLUSH VALVE ASSEMBLY**
[54] **ENSEMBLE VANNE DE CHASSE**
[72] PITSCH, WALTER, US
[72] MARINOV, MARIN, US
[71] AS AMERICA, INC., US
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046603)
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[51] **Int.Cl. A47J 31/52 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING APPARATUS AND METHOD FOR ACTIVE PRESSURE CONTROL THEREOF**
[54] **APPAREIL DE DISTRIBUTION DE BOISSON ET PROCEDE DE COMMANDE DE PRESSION ACTIVE DE CELUI-CI**
[72] HOBDEN, STEPHEN, GB
[72] FLETCHER, PAUL, GB
[71] LAVAZZA PROFESSIONAL UK LIMITED, GB
[85] 2021-02-11
[86] 2019-08-16 (PCT/IB2019/000927)
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[25] EN
[54] **BEVERAGE-INGREDIENT CONTAINER**
[54] **RECIPIENT POUR INGREDIENT DE BOISSON**
[72] KNOWLES, DAVID, GB
[72] HOBDEN, STEPHEN, GB
[72] HAY, DAVID, GB
[72] DYKIER, MACIEJ, GB
[71] LAVAZZA PROFESSIONAL UK LIMITED, GB
[85] 2021-02-11
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[25] EN
[54] **MULTI-LUMEN SYRINGES FOR INTRAOCULAR INJECTIONS**
[54] **SERINGUES MULTI-LUMIERE POUR INJECTIONS INTRAOCULAIRES**
[72] CHOWERS, ITAY, IL
[72] BATASH, TOMER, IL
[71] CHOWERS, ITAY, IL
[71] BATASH, TOMER, IL
[85] 2021-02-05
[86] 2019-08-05 (PCT/IL2019/050891)
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[51] **Int.Cl. G02B 26/10 (2006.01) G01S 7/481 (2006.01) G02B 26/06 (2006.01) G02B 26/08 (2006.01) G02B 26/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SCANNING OF COHERENT LIDAR WITH FAN OF COLLIMATED BEAMS**
[54] **PROCEDE ET SYSTEME DE BALAYAGE D'UN LIDAR COHERENT AVEC UN EVENTAIL DE FAISCEAUX COLLIMATES**
[72] CROUCH, STEPHEN C., US
[72] ANGUS, EDWARD JOSEPH, US
[72] MILVICH, MICHELLE, US
[71] BLACKMORE SENSORS & ANALYTICS, LLC, US
[85] 2021-02-05
[86] 2019-07-25 (PCT/US2019/043488)
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[30] US (62/717,200) 2018-08-10

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[51] **Int.Cl. G06F 16/90 (2019.01) G06N 20/00 (2019.01) G06N 5/00 (2006.01)**
[25] EN
[54] **IDENTIFICATION AND APPLICATION OF HYPERPARAMETERS FOR MACHINE LEARNING**
[54] **IDENTIFICATION ET APPLICATION D'HYPERPARAMETRES POUR L'APPRENTISSAGE AUTOMATIQUE**
[72] MOORE, KEVIN, US
[72] MCGUIRE, LEAH, US
[72] WAYMAN, ERIC, US
[72] NABAR, SHUBHA, US
[72] GORDON, VITALY, US
[72] AERNI, SARAH, US
[71] SALESFORCE.COM, INC., US
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046622)
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[30] US (62/764,667) 2018-08-15
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[51] **Int.Cl. H02K 1/27 (2006.01) F04D 13/06 (2006.01) F04D 13/08 (2006.01) H02K 5/132 (2006.01)**
[25] EN
[54] **MOTORIZED PUMP**
[54] **POMPE MOTORISEE**
[72] XIAO, JINJIANG, SA
[72] MELO, RAFAEL ADOLFO LASTRA, SA
[72] EJIM, CHIDIRIM ENOCH, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046623)
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[25] EN
[54] **MEDIUM OR HIGH MOLECULAR WEIGHT POLYESTER POWDERS, POWDER COATING COMPOSITIONS, AND PROCESSES OF MAKING POWDERS**
[54] **POUDRES DE POLYESTER DE POIDS MOLECULAIRE MOYEN OU ELEVE, COMPOSITIONS DE REVETEMENT EN POUDRE ET PROCEDES DE FABRICATION DE POUDRES**
[72] MELNYK, TOM, US
[71] SWIMC LLC, US
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046651)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-IL1RAP ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-IL1RAP ET LEURS METHODES D'UTILISATION**
[72] FOLETTI, DAVIDE, US
[72] KARRER, ERIK, US
[72] FUH-KELLY, GERMAINE, US
[72] IBARRA, KRISTIE, US
[72] ZHENG, QUAN, US
[72] HUANG, YAO-MING, US
[72] DEIS, LINDSAY, US
[72] WOLAK, CHRISTINE, US
[72] BERNS, DOMINIC SAMUEL, US
[71] 23ANDME, INC., US
[85] 2021-02-11
[86] 2019-08-15 (PCT/US2019/046711)
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[51] **Int.Cl. D04B 21/16 (2006.01)**
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[54] **HYBRID REINFORCEMENT FABRIC**
[54] **TISSU DE RENFORCEMENT HYBRIDE**
[72] BERTRAND, CHLOE, FR
[72] VEIT, RICHARD, FR
[72] SOLARSKI, SAMUEL, FR
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2021-02-11
[86] 2019-08-16 (PCT/US2019/046748)
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[25] FR
[54] **ULTRA-FLAT LIGHTING PANEL**
[54] **DALLE D'ECLAIRAGE ULTRAPLATE**
[72] AZORIN, DIDIER, FR
[71] DISPLAY LIGHT, FR
[85] 2021-02-04
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[25] FR
[54] **METHOD FOR SIMULATING A FLOW IN WHICH A STRUCTURE IS SUBMERGED**
[54] **PROCEDE DE SIMULATION D'UN FLUX DANS LEQUEL EST PLONGEE UNE STRUCTURE**
[72] PLACKO, DOMINIQUE, FR
[72] BARBOT, JEAN-PIERRE, FR
[72] GOURLAOUEN, SERGE, FR
[72] RIVOLLET, ALAIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] ECOLE NORMALE SUPERIEURE DE PARIS-SACLAY, FR
[71] FLIGHT TRAINING SOLUTIONS CONSULTING, FR
[85] 2021-02-09
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[25] EN
[54] **GAS PURIFICATION APPARATUS, SHIP INCLUDING THE SAME, AND GAS PURIFICATION METHOD**
[54] **DISPOSITIF DE PURIFICATION DE GAZ, NAVIRE LE COMPRENANT, ET PROCEDE DE PURIFICATION DE GAZ**
[72] INUI, MASAYUKI, JP
[72] SUSAKI, MAKOTO, JP
[72] OTANI, AKIHITO, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2021-02-11
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[54] **PLAQUE POUR ASTRAGALE**
[72] SANDER, ELIZABETH J., US
[72] DHILLON, BRAHAM K., US
[72] ARMACOST, SCOTT A., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2021-02-11
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[25] EN
[54] **BIOMASS SELECTION AND CONTROL FOR CONTINUOUS FLOW GRANULAR/FLOCCULENT ACTIVATED SLUDGE PROCESSES**
[54] **SELECTION ET COMMANDE DE BIOMASSE POUR DES PROCEDES DE BOUES ACTIVEES GRANULAIRES /FLOCULANTES A ECOULEMENT CONTINU**
[72] STENSEL, H. DAVID, US
[72] TRIVEDI, HIREN, US
[72] VORWALLER, JOHN, US
[72] BEAMAN, TYSON, US
[71] OVIVO INC., CA
[85] 2021-02-11
[86] 2019-08-09 (PCT/US2019/046037)
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[25] EN
[54] **BIODEGRADABLE COATINGS BASED ON AQUEOUS PHA DISPERSIONS**
[54] **REVETEMENTS BIODEGRADABLES A BASE DE DISPERSIONS DE PHA AQUEUSES**
[72] GRUBBS, JOE B., III, US
[72] EATON, RICHARD, US
[72] BROOKS, KARSON, US
[71] DANIMER BIOPLASTICS, INC., US
[85] 2021-02-11
[86] 2019-08-12 (PCT/US2019/046102)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 37/08 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-FC EPSILON-R1 ALPHA (FCER1A) ANTIBODIES, BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND FCER1A AND CD3, AND USES THEREOF**
[54] **ANTICORPS ANTI-FC EPSILON-R1 ALPHA (FCER1A), MOLECULES BISPECIFIQUES DE LIAISON A L'ANTIGENE SE LIANT AU FCER1A ET AU CD3, ET UTILISATIONS ASSOCIEES**
[72] ORENGO, JAMIE M., US
[72] LIMNANDER, ANDRE, US
[72] KIM, JEE H., US
[72] MURPHY, ANDREW J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-02-11
[86] 2019-08-22 (PCT/US2019/047601)
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[30] US (62/721,921) 2018-08-23

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[25] EN
[54] **HYDROGEN-SELECTIVE OXYGEN CARRIER MATERIALS AND METHODS OF USE**
[54] **MATERIAUX TRANSPORTEURS D'OXYGENE SELECTIFS A L'HYDROGENE ET PROCEDES D'UTILISATION**
[72] GOODFELLOW, BRIAN W., US
[72] SHARMA, MANISH, US
[72] YANCEY, DAVID F., US
[72] MALEK, ANDRZEJ, US
[72] STANGLAND, ERIC E., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-02-11
[86] 2019-08-27 (PCT/US2019/048290)
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[30] US (62/725,504) 2018-08-31
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[54] **METHODS OF PRODUCING HYDROGEN-SELECTIVE OXYGEN CARRIER MATERIALS**
[54] **PROCEDES DE PRODUCTION DE MATERIAUX TRANSPORTEURS D'OXYGENE SELECTIFS A L'HYDROGENE**
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[72] GOODFELLOW, BRIAN W., US
[72] YANCEY, DAVID F., US
[72] MALEK, ANDRZEJ, US
[72] STANGLAND, ERIC E., US
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[72] HANRAHAN, MICHAEL, US
[72] WITHAM, PATRICK H., US
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[54] **SYSTEMS OF FACILITATING INSTRUMENT DELIVERY TO A CATHETER ASSEMBLY**
[54] **SYSTEMES DE FACILITATION DE LA POSE D'INSTRUMENT A UN ENSEMBLE CATHETER**
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[72] BURKHOLZ, JONATHAN KARL, US
[72] BLANCHARD, CURTIS H., US
[72] CENDAGORTA, JOHN, US
[72] MCKINNON, AUSTIN JASON, US
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[54] **MATERIAUX COMPOSITES, UTILISATIONS ET PROCEDES**
[72] YU, AIPING, CA
[71] HANDA, JANAK, CA
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[54] **INTERLOCUTEUR DE BADGE A FAIRE SOI-MEME**
[72] SMITH, KIMBERLEY LYNNE, CA
[71] CCL INDUSTRIES INC. CORPORATION CANADA, CA
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[54] **CANNABINOIDS COMPOSITIONS WITH POLYUNSATURATED FATTY ACID MONOGLYCERIDES, METHODS AND USES THEREOF**
[54] **COMPOSITIONS DE CANNABINOIDES AVEC DES MONOGLYCERIDES D'ACIDES GRAS POLYINSATURES, PROCEDES ET UTILISATIONS DE CELLES-CI**
[72] FORTIN, SAMUEL C., CA
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[71] FRANKE TECHNOLOGY AND TRADEMARK LTD, CH
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[54] **SYSTEMS AND PROCESSES FOR IMPROVING HYDROCARBON UPGRADING**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'AMELIORER LA VALORISATION DES HYDROCARBURES**
[72] BIESHEUVEL, CORNELIS, NL
[72] KAMPERMAN, WIM M., NL
[72] RUITENBEEK, MATTHIJS, NL
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[54] **BATTERIE RECHARGEABLE AVEC ELECTROLYTE LIQUIDE IONIQUE ET PRESSION D'ELECTRODE**
[72] LIU, DONGQIANG, CA
[72] FORAND, AMELIE, CA
[72] KIM, CHISU, CA
[72] ZAGHIB, KARIM, CA
[72] ALLEN, JAN L., US
[72] DELP III, SAMUEL A., US
[72] JOW, T. RICHARD, US
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[54] **COATED LITHIUM ION RECHARGEABLE BATTERY ACTIVE MATERIALS**
[54] **MATERIAUX ACTIFS DE BATTERIE RECHARGEABLE AU LITHIUM-ION REVETUS**
[72] LIU, DONGQIANG, CA
[72] FORAND, AMELIE, CA
[72] GUERFI, ABDELBAST, CA
[72] ZAGHIB, KARIM, CA
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[54] **PROCEDE D'EMISSION DE SIGNAUX, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
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[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **SLIDING BEARING IN THE BUILDING TRADE**
[54] **PALIER LISSE DANS LE SECTEUR DE LA CONSTRUCTION**
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[71] SCHREIBER BRUCKEN-DEHNTECHNIK GMBH, DE
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[72] PUNYANI, KUSHAGR, SE
[72] SRIVASTAVA, SUDHA, IN
[72] TAKWA, MOHAMAD, SE
[71] SPERMOSENS AB, SE
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[54] **BEARING DEVICE FOR A CARDIAC SUPPORT SYSTEM, AND METHOD FOR FLUSHING AN INTERMEDIATE SPACE IN A BEARING DEVICE FOR A CARDIAC SUPPORT**
[54] **DISPOSITIF DE SUPPORT DESTINE A UN DISPOSITIF D'ASSISTANCE VENTRICULAIRE ET PROCEDE DESTINE A RINCER UN ESPACE DANS UN DISPOSITIF DE SUPPORT POUR UN DISPOSITIF D'ASSISTANCE VENTRICULAIRE**
[72] STOTZ, INGO, DE
[72] EIBERGER, FABIAN, DE
[71] KARDION GMBH, DE
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[54] **FOAMS BASED ON THERMOPLASTIC ELASTOMERS**
[54] **MOUSSES A BASE D'ELASTOMERES THERMOPLASTIQUES**
[72] GUTMANN, PETER, DE
[72] POESELT, ELMAR, DE
[72] RAPP, FLORIAN TOBIAS, DE
[72] JOPP, DENNIS, DE
[71] BASF SE, DE
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[54] **MULTI-COMPONENT INORGANIC ANCHORING SYSTEM BASED ON FINE ALUMINOUS CEMENT**
[54] **SYSTEME D'ANCRAGE INORGANIQUE A COMPOSANTS MULTIPLES A BASE DE CIMENT ALUMINEUX FIN**
[72] PFEIL, ARMIN, DE
[72] SIRCH, VANESSA, DE
[72] SCHONLEIN, MARKUS, DE
[72] BEROLL, PASCAL, DE
[72] VOLKMER, DIRK, DE
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[51] **Int.Cl. B32B 38/00 (2006.01) B29C 48/00 (2019.01) B32B 7/03 (2019.01)**
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[54] **RECYCLABLE, EASILY TEARABLE PACKAGING LAMINATE HAVING A GOOD BARRIER EFFECT, AND METHOD FOR PRODUCTION THEREOF**
[54] **STRATIFIE D'EMBALLAGE RECYCLABLE, FACILEMENT DECHIRABLE, A EFFET BARRIERE SATISFAISANT, ET SON PROCEDE DE FABRICATION**
[72] GREFENSTEIN, ACHIM, DE
[72] KICK, MARKUS, DE
[72] LAMTIGUI, THAMI, DE
[71] CONSTANTIA PIRK GMBH & CO. KG, DE
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[72] DOWLING, JAMES E., US
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[72] BURSAVICH, MATTHEW G., US
[72] TROAST, DAWN M., US
[72] LIPPA, BLAISE S., US
[72] ROGERS, BRUCE N., US
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[72] ZHONG, CHENG, US
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[72] SVENSSON, MATS A., US
[72] HICKEY, EUGENE, US
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[71] MORPHIC THERAPEUTIC, INC., US
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[54] **MULTI-COMPONENT INORGANIC ANCHORING SYSTEM BASED ON ALUMINOUS CEMENT**
[54] **SYSTEME D'ANCRAGE INORGANIQUE A COMPOSANTS MULTIPLES A BASE DE CIMENT ALUMINEUX**
[72] PFEIL, ARMIN, DE
[72] SIRCH, VANESSA, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
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[25] EN
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[54] **COMPOSITION DE POLYISOCYANATE, MOUSSE DE POLYURETHANE OBTENUE A PARTIR DE CELLE-CI ET SON UTILISATION**
[72] SHTERN, DAVID, US
[72] KRUPA, MICHAEL J., US
[71] BASF SE, DE
[85] 2021-02-12
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[25] EN
[54] **TWO-COMPONENT INORGANIC INJECTION MORTAR SYSTEM BASED ON FINE ALUMINOUS CEMENT HAVING INCREASED LOAD VALUES**
[54] **SYSTEME DE MORTIER D'INJECTION INORGANIQUE A DEUX COMPOSANTS A BASE DE CIMENT ALUMINEUX FIN AYANT DES VALEURS DE CHARGE ACCRUES**
[72] PFEIL, ARMIN, DE
[72] SCHONLEIN, MARKUS, DE
[72] VOLKMER, DIRK, DE
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[54] **SYSTEME D'ANCRAGE A CAPSULE INORGANIQUE A COMPOSANTS MULTIPLES A BASE DE CIMENT ALUMINEUX**
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[72] SIRCH, VANESSA, DE
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[54] **DETECTION D'INSTABILITE DES MICROSATELLITES DANS UN ADN LIBRE CIRCULANT**
[72] ARTSIOMENKA, ALIAKSANDR, US
[72] SIKORA, MARCIN, US
[72] BARBACIORU, CATALIN, US
[72] CHUDOVA, DARYA, US
[72] LEFTEROVA, MARTINA I., US
[71] GUARDANT HEALTH, INC., US
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[54] **ENVIRONMENTALLY FRIENDLY DRIVEN POLYURETHANE SPRAY FOAM SYSTEMS**
[54] **SYSTEMES DE MOUSSES POLYURETHANES EN AEROSOL ACTIONNES DE MANIERE ECOLOGIQUE**
[72] ESLAVA, JOSEP-DANIEL, ES
[72] KAMPF, GUNNAR, DE
[72] DREISOERNER, JAN-MICHAEL, DE
[72] BRINGUE CAMPI, JOSEP MARIA, ES
[71] BASF SE, DE
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[54] **TELEOST INVARIANT CHAIN CANCER VACCINE**
[54] **VACCIN CONTRE LE CANCER A CHAINE INVARIANTE DE TELEOST**
[72] NICOSIA, ALFREDO, IT
[72] SCARSELLI, ELISA, IT
[72] LAHM, ARMIN, IT
[71] NOUSCOM AG, CH
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[54] **PROTEIN BAR**
[54] **BARRE PROTEINEE**
[72] GRUBER, ANNE-SOPHIE, DE
[72] HAHN, MARTIN, DE
[72] LANG, ELVIRA, DE
[71] GELITA AG, DE
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[54] **FORMULATIONS ANTIPARASITAIRES DE GOUT AGREABLE**
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[72] THAKUR, SUPRIYA GAUTAM, US
[71] ZOETIS SERVICES LLC, US
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[54] **METHOD AND ARRANGEMENT FOR ASSISTING CONTROL OF FOREST WORK MACHINE**
[54] **PROCEDE ET AGENCEMENT D'AIDE A LA COMMANDE D'UN ENGIN DE TRAVAUX FORESTIERS**
[72] HAVERINEN, JUHA, FI
[71] PONSSE OYJ, FI
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[25] EN
[54] **METHOD OF PRODUCING A THREE-DIMENSIONAL SHAPED OBJECT BY MEANS OF LAYER-BY-LAYER MATERIAL APPLICATION**
[54] **PROCEDE DE FABRICATION D'UN OBJET MOULE TRIDIMENSIONNEL PAR DEPOT DE COUCHES SUCCESSIVES DE MATIERE**
[72] MATHEA, HANS, DE
[71] DP POLAR GMBH, DE
[85] 2021-02-12
[86] 2019-08-12 (PCT/EP2019/071610)
[87] (WO2020/035456)
[30] DE (10 2018 006 397.7) 2018-08-15

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[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 5/0783 (2010.01) C12N 5/0786 (2010.01) A61K 35/17 (2015.01)**
[25] EN
[54] **GENERATION OF HEMATOPOIETIC PROGENITOR CELLS FROM HUMAN PLURIPOTENT STEM CELLS**
[54] **GENERATION DE CELLULES PROGENITRICES HEMATOPOIETIQUES A PARTIR DE CELLULES SOUCHES PLURIPOTENTES HUMAINES**
[72] THOMSON, JAMES A., US
[72] ZHANG, JUE, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2021-02-11
[86] 2019-09-06 (PCT/US2019/049955)
[87] (WO2020/051453)
[30] US (62/728,408) 2018-09-07

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[13] A1
[51] **Int.Cl. C08K 5/21 (2006.01)**
[25] FR
[54] **THERMOREVERSIBLE BITUMINOUS COMPOSITION**
[54] **COMPOSITION BITUMINEUSE THERMOREVERSIBLE**
[72] MERCE, MANUEL, FR
[72] BOUTEILLER, LAURENT, FR
[72] PENSEC, SANDRINE, FR
[72] COUSTHAM, THOMAS, FR
[71] TOTAL MARKETING SERVICES, FR
[71] SORBONNE UNIVERSITE, FR
[85] 2021-02-12
[86] 2019-08-19 (PCT/FR2019/051930)
[87] (WO2020/039138)
[30] FR (1857590) 2018-08-22

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **LIPID-BASED FORMULATIONS CONTAINING SALTS FOR THE DELIVERY OF RNA**
[54] **FORMULATIONS A BASE DE LIPIDES CONTENANT DES SELS POUR L'ADMINISTRATION D'ARN**
[72] DOHMEN, CHRISTIAN, DE
[72] MYKHAILYK, OLGA, DE
[71] ETHRIS GMBH, DE
[85] 2021-02-12
[86] 2019-08-12 (PCT/EP2019/071619)
[87] (WO2020/035460)
[30] EP (18189006.2) 2018-08-14

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[13] A1
[51] **Int.Cl. A01G 23/091 (2006.01) B27B 17/12 (2006.01) F16N 19/00 (2006.01)**
[25] EN
[54] **FEEDING DEVICE AND FEEDING METHOD ON HANDLING TIMBER**
[54] **DISPOSITIF D'ALIMENTATION ET PROCEDE D'ALIMENTATION POUR MANIPULER DU BOIS D'□UVRE**
[72] PUOSKARI, JUSSI, FI
[71] PONSSE OYJ, FI
[85] 2021-02-12
[86] 2019-09-19 (PCT/FI2019/050671)
[87] (WO2020/065128)
[30] FI (20185798) 2018-09-25

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[13] A1
[51] **Int.Cl. B24C 1/04 (2006.01) B08B 3/02 (2006.01) B24C 3/06 (2006.01) B24C 3/32 (2006.01) B24C 5/02 (2006.01) B24C 7/00 (2006.01) E01B 31/00 (2006.01) E01B 37/00 (2006.01) E01H 8/00 (2006.01)**
[25] EN
[54] **MOBILE WATERJET RAIL REPAIR SYSTEM**
[54] **SYSTEME DE REPARATION DE RAIL, MOBILE ET A JET D'EAU**
[72] JACOBS, JOEP, US
[71] HYPERTHERM, INC., US
[85] 2021-02-11
[86] 2019-09-17 (PCT/US2019/051386)
[87] (WO2020/060962)
[30] US (62/732,175) 2018-09-17

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[13] A1
[51] **Int.Cl. A61M 16/08 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR USE IN A RESPIRATORY SUPPORT SYSTEM**
[54] **APPAREIL DESTINE A ETRE UTILISE DANS UN SYSTEME D'ASSISTANCE RESPIRATOIRE**
[72] LAU, ANDREW CHI LUP, NZ
[72] KLENNER, JASON ALLAN, NZ
[72] O'CONNOR, MARK THOMAS, NZ
[72] POWELL, KEVIN BLAKE, NZ
[72] LAING, BRENT IAN, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2021-02-12
[86] 2019-08-13 (PCT/IB2019/056854)
[87] (WO2020/035783)
[30] US (62/718,372) 2018-08-13

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[13] A1
[51] **Int.Cl. E21B 17/07 (2006.01) E21B 23/01 (2006.01) E21B 29/00 (2006.01) E21B 29/08 (2006.01)**
[25] EN
[54] **SWIVEL ANCHOR**
[54] **ANCRE PIVOTANTE**
[72] MCGARIAN, BRUCE, GB
[71] MCGARIAN, BRUCE, GB
[85] 2021-02-12
[86] 2019-08-08 (PCT/GB2019/052231)
[87] (WO2020/039167)
[30] GB (1813539.2) 2018-08-20

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/713 (2006.01)**
[25] EN
[54] **RNAI AGENTS FOR INHIBITING EXPRESSION OF 17BETA-HSD TYPE 13 (HSD17B13), COMPOSITIONS THEREOF, AND METHODS OF USE**
[54] **AGENTS D'ARNI D'INHIBITION DE L'EXPRESSION DE 17BETA-HSD DE TYPE 13- (HSD17B13), LEURS COMPOSITIONS ET METHODES D'UTILISATION**
[72] LI, ZHEN, US
[72] ZHU, RUI, US
[72] MORALES, SHAWN A., US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2021-02-11
[86] 2019-09-18 (PCT/US2019/051707)
[87] (WO2020/061177)
[30] US (62/733,320) 2018-09-19
[30] US (62/773,707) 2018-11-30
[30] US (62/890,220) 2019-08-22

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[51] **Int.Cl. E02F 3/18 (2006.01) E02F 3/24 (2006.01) E02F 7/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CHANGING BUCKET WHEELS**
[54] **APPAREIL ET PROCEDE POUR REMPLACER DES ROUES A GODETS**
[72] PLETZ, RUDOLF, AT
[72] SMAJLOVIC, BELMIN, AT
[72] DOESINGER, LUKAS, AT
[72] EDLINGER, MICHAEL, AT
[71] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
[85] 2021-02-12
[86] 2019-08-13 (PCT/IB2019/056867)
[87] (WO2020/035790)
[30] US (62/718,160) 2018-08-13

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[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01)**
[25] FR
[54] **AQUEOUS SALINE COMPOSITION, PROCESS FOR THE PRODUCTION OF SAME, AND USE OF SAME**
[54] **COMPOSITION AQUEUSE SALINE, SON PROCEDE DE FABRICATION, ET SON UTILISATION**
[72] DJELLOULI, SAID, FR
[72] FOX, ANDREA, FR
[71] DJELLOULI, SAID, FR
[71] FOX, ANDREA, FR
[85] 2021-02-12
[86] 2019-11-08 (PCT/EP2019/080694)
[87] (WO2020/099264)
[30] FR (1871509) 2018-11-13

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[13] A1
[51] **Int.Cl. H01L 51/44 (2006.01)**
[25] EN
[54] **PHOTOVOLTAIC DEVICES COMPRISING LUMINESCENT SOLAR CONCENTRATORS AND PEROVSKITE-BASED PHOTOVOLTAIC CELLS**
[54] **DISPOSITIFS PHOTOVOLTAIQUES COMPRENANT DES CONCENTRATEURS SOLAIRES LUMINESCENTS ET DES CELLULES PHOTOVOLTAIQUES A BASE DE PEROVSKITE**
[72] FUSCO, ROBERTO, IT
[72] TOZZOLA, GABRIELLA, IT
[71] ENI S.P.A., IT
[85] 2021-02-12
[86] 2019-08-14 (PCT/IB2019/056892)
[87] (WO2020/035799)
[30] IT (102018000008110) 2018-08-17

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[13] A1
[51] **Int.Cl. C07D 233/64 (2006.01) A61K 31/417 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **POLYMORPHS OF 5-({[2-AMINO-3-(4-CARBAMOYL-2,6-DIMETHYL-PHENYL)-PROPIONYL]-[1-(4-PHENYL-1H-IMIDAZOL-2-YL)-ETHYL]-AMINO}-METHYL)-2-METHOXY-BENZOIC ACID**
[54] **POLYMORPHES DE L'ACIDE 5-({[2-AMINO-3-(4-CARBAMOYL-2,6-DIMETHYL-PHENYL)-PROPIONYL]-[1-(4-PHENYL-1H-IMIDAZOL-2-YL)-ETHYL]-AMINO}-METHYL)-2-METHOXY-BENZOIQUE**
[72] LAWTON, GRAHAM, US
[72] FAHERTY, LIA, US
[72] TRZASKA, SCOTT, US
[71] ALLERGAN HOLDINGS UNLIMITED COMPANY, IE
[85] 2021-02-12
[86] 2019-08-19 (PCT/IB2019/056988)
[87] (WO2020/039333)
[30] US (62/719,756) 2018-08-20

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[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/20 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CRYPTOGRAPHIC AUTHENTICATION OF CONTACTLESS CARDS**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION CRYPTOGRAPHIQUE DE CARTES SANS CONTACT**
[72] NEWMAN, KAITLIN, US
[72] HART, COLIN, US
[72] RULE, JEFFREY, US
[72] MOSSLER, LARA, US
[72] BERMUDEZ, SOPHIE, US
[72] MOSSOBA, MICHAEL, US
[72] LUTZ, WAYNE, US
[72] CRANK, CHARLES NATHAN, US
[72] HENG, MELISSA, US
[72] OSBORN, KEVIN, US
[72] HAYNES, KIMBERLY, US
[72] COGSWELL, ANDREW, US
[72] GULATI, LATIKA, US
[72] CUNNINGHAM, SARAH JANE, US
[72] ASHFIELD, JAMES, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2021-02-11
[86] 2019-09-30 (PCT/US2019/053849)
[87] (WO2020/072373)
[30] US (62/740,352) 2018-10-02
[30] US (16/205,119) 2018-11-29
[30] US (16/351,441) 2019-03-12

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[51] **Int.Cl. C08K 5/21 (2006.01)**
[25] FR
[54] **THERMOREVERSIBLE BITUMINOUS COMPOSITION**
[54] **COMPOSITION BITUMINEUSE THERMOREVERSIBLE**
[72] MERCE, MANUEL, FR
[72] BOUTEILLER, LAURENT, FR
[72] PENSEC, SANDRINE, FR
[72] COUSTHAM, THOMAS, FR
[71] TOTAL MARKETING SERVICES, FR
[71] SORBONNE UNIVERSITE, FR
[85] 2021-02-12
[86] 2019-08-19 (PCT/FR2019/051932)
[87] (WO2020/039140)
[30] FR (1857588) 2018-08-22

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[13] A1
[51] **Int.Cl. C04B 28/02 (2006.01) C04B 18/14 (2006.01) C04B 22/06 (2006.01) C04B 22/10 (2006.01) C04B 22/16 (2006.01)**
[25] EN
[54] **HIGH STRENGTH CLASS C FLY ASH CEMENTITIOUS COMPOSITIONS WITH CONTROLLABLE SETTING**
[54] **COMPOSITIONS CIMENTAIRES DE CENDRES VOLANTES DE CLASSE C DE HAUTE RESISTANCE A PRISE REGLABLE**
[72] GONG, WEILIANG, US
[72] XU, HUI, US
[72] LUTZE, WERNER, US
[72] PEGG, IAN L., US
[71] THE CATHOLIC UNIVERSITY OF AMERICA, US
[85] 2021-02-12
[86] 2019-08-21 (PCT/IB2019/057051)
[87] (WO2020/039370)
[30] US (62/721,021) 2018-08-22
[30] US (16/545,012) 2019-08-20

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C01G 37/00 (2006.01) C01G 37/02 (2006.01) C01G 49/00 (2006.01) C01G 49/02 (2006.01) C01G 51/00 (2006.01) C01G 51/04 (2006.01) C25B 11/04 (2021.01)**
[25] EN
[54] **TRIMETALLIC LAYERED DOUBLE HYDROXIDE COMPOSITION**
[54] **COMPOSITION D'HYDROXYDE DOUBLE LAMELLAIRE TRIMETALLIQUE**
[72] ZHAO, CHUAN, AU
[72] BO, XIN, AU
[71] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[71] KOHODO HYDROGEN ENERGY PTY LTD, AU
[85] 2021-02-12
[86] 2019-08-16 (PCT/AU2019/050859)
[87] (WO2020/034007)
[30] AU (2018903001) 2018-08-16

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR MODULATING REGULATORY T CELLS AND INHIBITING TUMOR GROWTH**
[54] **PROCEDES DE MODULATION DE LYMPHOCYTES T REGULATEURS ET D'INHIBITION DE LA CROISSANCE TUMORALE**
[72] HO, PING-CHIH, CH
[72] WANG, HAIPING, CH
[71] UNIVERSITE DE LAUSANNE, CH
[85] 2021-02-12
[86] 2019-09-13 (PCT/IB2019/057745)
[87] (WO2020/053833)
[30] US (62/731,351) 2018-09-14

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[13] A1
[51] **Int.Cl. B63B 39/03 (2006.01) B63B 35/44 (2006.01)**
[25] EN
[54] **A GEOSTATIONARY FLOATING PLATFORM**
[54] **PLATE-FORME FLOTTANTE GEOSTATIONNAIRE**
[72] VATNE, PER ANDREAS, NO
[71] PAV HOLDING AS, NO
[85] 2021-02-12
[86] 2019-07-05 (PCT/NO2019/050142)
[87] (WO2020/009588)
[30] NO (20180956) 2018-07-06

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[13] A1
[51] **Int.Cl. C08L 23/06 (2006.01) B29C 48/18 (2019.01) C08J 5/04 (2006.01) C08K 5/54 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **A WOOD PLASTIC COMPOSITE**
[54] **COMPOSITE BOIS/PLASTIQUE**
[72] ROSS, CHRISTOPHER L., US
[72] KOTIADIS, PETROS D., US
[71] FIBER COMPOSITES, LLC (DBA FIBERON), US
[85] 2021-02-12
[86] 2018-08-14 (PCT/US2018/046697)
[87] (WO2020/036591)

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD OF DETECTION OF DNA END(S) AND ITS USE**
[54] **METHODE DE DETECTION D'UNE(D') EXTREMITE(S) D'ADN ET SON UTILISATION**
[72] KORDON, MAGDALENA, PL
[72] ZAREBSKI, MIROSLAW, PL
[72] DOBRUCKI, JERZY, PL
[72] SOLARCZYK, KAMIL, PL
[71] INTODNA SP. Z O.O., PL
[85] 2021-02-12
[86] 2017-08-17 (PCT/PL2017/050040)
[87] (WO2019/035727)

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[13] A1
[51] **Int.Cl. G02F 1/153 (2006.01) E06B 3/67 (2006.01) E06B 9/24 (2006.01) G02F 1/1334 (2006.01) G02F 1/1345 (2006.01) G02F 1/155 (2006.01)**
[25] EN
[54] **PRIVACY GLAZING STRUCTURE WITH ASYMETRICAL PANE OFFSETS FOR ELECTRICAL CONNECTION CONFIGURATIONS**
[54] **STRUCTURE DE VITRAGE OPAQUE DOTEE DE DECALAGES DE VITRE ASYMETRIQUES POUR CONFIGURATIONS DE CONNEXION ELECTRIQUE**
[72] BJERGAARD, ERIC, US
[72] DEMIGLIO, ANDREW, US
[71] CARDINAL IG COMPANY, US
[85] 2021-02-11
[86] 2019-08-16 (PCT/US2019/046776)
[87] (WO2020/037185)
[30] US (62/719,306) 2018-08-17

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[13] A1
[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/966 (2013.01)**
[25] EN
[54] **LOW PROFILE DELIVERY SYSTEM WITH LOCK WIRE LUMEN**
[54] **SYSTEME D'ADMINISTRATION A BAS PROFIL AVEC LUMIERE DE FIL-FREIN**
[72] BURKART, DUSTIN C., US
[71] W.L. GORE & ASSOCIATES, INC., US
[85] 2021-02-12
[86] 2018-09-12 (PCT/US2018/050773)
[87] (WO2020/055403)

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[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) H04L 29/06 (2006.01) H04N 9/80 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HYBRID EVENT SERVICE**
[54] **PROCEDE ET APPAREIL DE SERVICE D'EVENEMENT HYBRIDE**
[72] SOURA, KEITH, US
[72] SZCZEPANEK, GABRIEL, US
[71] BLEND LABS, INC., US
[85] 2021-02-12
[86] 2019-07-15 (PCT/US2019/041815)
[87] (WO2020/014702)
[30] US (62/697,654) 2018-07-13
[30] US (16/510,637) 2019-07-12

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[13] A1
[51] **Int.Cl. G01V 3/26 (2006.01) E21B 47/00 (2012.01) G01V 3/30 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **LOOK-AHEAD RESISTIVITY CONFIGURATION**
[54] **CONFIGURATION DE RESISTIVITE ANTICIPEE**
[72] BITTAR, MICHAEL S., US
[72] WU, HSU-HSIANG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-02-12
[86] 2018-11-27 (PCT/US2018/062641)
[87] (WO2020/112090)

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[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06T 7/246 (2017.01) G06K 9/62 (2006.01)**
[25] EN
[54] **AUTONOMOUS STORE TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI DE MAGASIN AUTONOME**
[72] BUIBAS, MARIUS, US
[72] QUINN, JOHN, US
[72] FEIGUM, KAYLEE, US
[72] PETRE, CSABA, US
[72] PIEKNIEWSKI, FILIP, US
[72] BAPST, ALEKSANDER, US
[72] YOUSEFISAHI, SOHEYL, US
[72] KUO, CHIN-CHANG, US
[71] ACCEL ROBOTICS CORPORATION, US
[85] 2021-02-12
[86] 2019-07-16 (PCT/US2019/042071)
[87] (WO2020/018585)
[30] US (16/036,754) 2018-07-16
[30] US (16/138,278) 2018-09-21
[30] US (16/254,776) 2019-01-23
[30] US (16/404,667) 2019-05-06
[30] US (16/513,509) 2019-07-16

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[13] A1
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 31/498 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF CLOFAZIMINE, COMBINATIONS COMPRISING THEM, PROCESSES FOR THEIR PREPARATION, USES AND METHODS COMPRISING THEM**
[54] **COMPOSITIONS DE CLOFAZIMINE, COMBINAISONS LES COMPRENANT, LEURS PROCEDES DE PREPARATION, UTILISATIONS ET PROCEDES LES COMPRENANT**
[72] HOFMANN, THOMAS, US
[72] UFER, STEFAN, US
[72] STAPLETON, KEVIN, US
[71] MANNKIND CORPORATION, US
[85] 2021-02-12
[86] 2019-04-03 (PCT/US2019/025538)
[87] (WO2020/040818)
[30] US (62/722,048) 2018-08-23
[30] US (62/796,822) 2019-01-25

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[13] A1
[51] **Int.Cl. C09K 8/62 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **HYDRAULIC FRACTURING USING MULTIPLE FRACTURING FLUIDS SEQUENTIALLY**
[54] **FRACTURATION HYDRAULIQUE UTILISANT DE MULTIPLES FLUIDES DE FRACTURATION DE MANIERE SEQUENTIELLE**
[72] LI, LEIMING, US
[72] SAINI, RAJESH KUMAR, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-11
[86] 2019-08-16 (PCT/US2019/046777)
[87] (WO2020/037186)
[30] US (15/999,082) 2018-08-17

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[13] A1
[51] **Int.Cl. A45C 13/22 (2006.01)**
[25] EN
[54] **MAGNETIC RETRACTABLE HANDLE**
[54] **POIGNEE MAGNETIQUE RETRACTABLE**
[72] TAYNE, ADRIAN, US
[71] BECKLIN HOLDINGS, INC., US
[85] 2021-02-12
[86] 2019-05-17 (PCT/US2019/033008)
[87] (WO2020/036665)
[30] US (16/102,605) 2018-08-13

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[13] A1
[51] **Int.Cl. C08K 5/205 (2006.01)**
[25] FR
[54] **THERMOREVERSIBLE BITUMINOUS COMPOSITION**
[54] **COMPOSITION BITUMINEUSE THERMOREVERSIBLE**
[72] MERCE, MANUEL, FR
[72] BOUTEILLER, LAURENT, FR
[72] PENSEC, SANDRINE, FR
[72] COUSTHAM, THOMAS, FR
[71] TOTAL MARKETING SERVICES, FR
[71] SORBONNE UNIVERSITE, FR
[85] 2021-02-12
[86] 2019-08-19 (PCT/FR2019/051931)
[87] (WO2020/039139)
[30] FR (1857589) 2018-08-22

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[13] A1
[51] **Int.Cl. C12N 9/64 (2006.01) A61K 38/48 (2006.01) A61P 7/04 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **FACTOR IX ENCODING NUCLEOTIDES**
[54] **NUCLEOTIDES CODANT POUR LE FACTEUR IX**
[72] NATHWANI, AMIT, GB
[72] MCINTOSH, JENNY, GB
[71] UCL BUSINESS LTD, GB
[85] 2021-02-12
[86] 2019-08-20 (PCT/GB2019/052339)
[87] (WO2020/039183)
[30] US (16/105,583) 2018-08-20
[30] GB (1813528.5) 2018-08-20

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[13] A1
[51] **Int.Cl. E06B 3/67 (2006.01) E06B 9/24 (2006.01) G02F 1/163 (2006.01) G05B 13/02 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **CONTROL METHODS AND SYSTEMS USING EXTERNAL 3D MODELING AND NEURAL NETWORKS**
[54] **PROCEDES DE COMMANDE ET SYSTEMES UTILISANT DES RESEAUX EXTERNES NEURONAUX ET DE MODELISATION 3D**
[72] RASMUS-VORRATH, JACK, US
[72] ZEDLITZ, JASON DAVID, US
[72] DUTTA, RANOJOY, US
[72] YING, YUYANG, US
[72] KLAWUHN, ERICH R., US
[72] SHRIVASTAVA, DHAIRYA, US
[71] VIEW, INC., US
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[87] (WO2020/037055)
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[54] **DISTRIBUTED SECURITY ANALYSIS FOR SHARED CONTENT**
[54] **ANALYSE DE SECURITE DISTRIBUEE POUR CONTENU PARTAGE**
[72] KAMALAPURAM, RAMANJANEYA REDDY, US
[72] DHANABALAN, PRAVEEN RAJA, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-02-12
[86] 2019-07-26 (PCT/US2019/043642)
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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 6/00 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MULTI VIEW POSE ESTIMATION USING DIGITAL COMPUTATIONAL TOMOGRAPHY**
[54] **PROCEDES ET SYSTEMES POUR UNE EVALUATION DE POSE MULTIVUE A L'AIDE D'UNE TOMODENSITOMETRIE NUMERIQUE**
[72] TZEISLIER, TAL, IL
[72] HARPAZ, ERAN, IL
[72] AVERBUCH, DORIAN, IL
[71] BODY VISION MEDICAL LTD., IL
[85] 2021-02-12
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[54] **LARGE BORE PIERCE PIN FOR AN INFLATOR**
[54] **BROCHE DE PERCAGE DE GRAND DIAMETRE POUR GONFLEUR**
[72] FAWCETT, LYMAN, US
[71] HALKEY-ROBERTS CORPORATION, US
[85] 2021-02-12
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[54] **PROTECTIVE BARRIER FOR STERILIZATION CONTAINERS**
[54] **BARRIERE PROTECTRICE POUR RECIPIENTS DE STERILISATION**
[72] WILLIAMS, BILLY W., US
[71] WILLIAMS, BILLY W., US
[85] 2021-02-11
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[54] **HIGHLY POROUS LUBRICANT CONDITIONING AND REMEDIATION MEDIA**
[54] **MILIEUX DE CONDITIONNEMENT ET DE REMEDIATION DE LUBRIFIANT HAUTEMENT POREUX**
[72] DUFRESNE, PETER T. JR., CA
[72] HOBBS, MATTHEW, CA
[71] 1441413 ALBERTA INC. DBA EPT, CA
[85] 2021-02-12
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[25] EN
[54] **SYSTEM AND METHOD FOR TREATMENT VIA BODILY DRAINAGE OR INJECTION**
[54] **SYSTEME ET METHODE DE TRAITEMENT PAR DRAINAGE CORPOREL OU INJECTION**
[72] SCHWARTZ, ROBERT S., US
[72] ROWE, STANTON J., US
[72] SIEGEL, ALEXANDER, US
[72] PASSMAN, JOSEPH, US
[72] TAFT, ROBERT C., US
[72] RABITO, GLEN, US
[71] NXT BIOMEDICAL, LLC, US
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[54] **STRATIGRAPHIC BOUNDARIES IDENTIFICATION FROM CHEMOSTRATIGRAPHIC INTERVALS IN WELL LOGS BASED ON FIRST AND SECOND DERIVATIVES**
[54] **IDENTIFICATION DE LIMITES STRATIGRAPHIQUES A PARTIR D'INTERVALLES CHIMIOSTRATIGRAPHIQUES DANS DES DIAGRAPHIES DE PUITS SUR LA BASE DE PREMIERE ET DEUXIEME DERIVEES**
[72] MICHAEL, NIKOLAOS A., SA
[72] CRAIGIE, NEIL W., SA
[72] SCHEIBE, CHRISTIAN, SA
[72] ZUHLKE, RAINER, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-12
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[25] EN
[54] **ENGINEERED TARGET SPECIFIC BASE EDITORS**
[54] **EDITEURS DE BASES SPECIFIQUES A LA CIBLE MODIFIES**
[72] FAUSER, FRIEDRICH, US
[72] MILLER, JEFFREY C., US
[72] REBAR, EDWARD, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2021-02-11
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[54] **MEN'S UNDERGARMENT FOR RUNNING AND RELATIVE METHOD OF PRODUCTION**
[54] **SOUS-VETEMENT MASCULIN POUR LA COURSE A PIED ET PROCEDE DE PRODUCTION ASSOCIE**
[72] GODENZI, ELENA, IT
[71] LA BALZA S.R.L., IT
[85] 2021-02-12
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[25] EN
[54] **DEVICES AND METHODS FOR QUANTIFYING NITRIC OXIDE**
[54] **DISPOSITIFS ET PROCEDES POUR QUANTIFIER L'OXYDE NITRIQUE**
[72] REGEV, GILLY, CA
[72] MILLER, CHRISTOPHER C., CA
[71] SANOTIZE RESEARCH AND DEVELOPMENT CORP., CA
[85] 2021-02-12
[86] 2019-08-14 (PCT/IB2019/000939)
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[25] EN
[54] **MOTORIZED PUMP**
[54] **POMPE MOTORISEE**
[72] XIAO, JINJIANG, SA
[72] MELO, RAFAEL ADOLFO LASTRA, SA
[72] EJIM, CHIDIRIM ENOCH, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-12
[86] 2019-08-15 (PCT/US2019/046624)
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[54] **FOLDABLE ONE-WAY VALVE**
[54] **VALVE ANTI-REFLUX PLIABLE**
[72] SCHUMACHER, MICHAELLA, IL
[71] GEONOVATION MEDICAL TECHNOLOGIES LTD., IL
[85] 2021-02-12
[86] 2018-08-15 (PCT/IL2018/050906)
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[25] EN
[54] **QUANTUM COMPUTER WITH EXACT COMPRESSION OF QUANTUM STATES**
[54] **ORDINATEUR QUANTIQUE AVEC COMPRESSION EXACTE D'ETATS QUANTIQUES**
[72] CAO, YUDONG, US
[72] JOHNSON, PETER D., US
[71] ZAPATA COMPUTING, INC., US
[85] 2021-02-12
[86] 2019-08-16 (PCT/US2019/046964)
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[54] **OLIGOSACCHARIDE COMPOSITIONS AND METHODS OF USE THEREOF FOR REDUCING AMMONIA LEVELS**
[54] **COMPOSITIONS D'OLIGOSACCHARIDES ET LEURS PROCEDES D'UTILISATION POUR REDUIRE LES NIVEAUX D'AMMONIAQUE**
[72] LIU, CHRISTOPHER MATTHEW, US
[72] GEREMIA, JOHN M., US
[72] LIOUBOMIROV, ANASTASIA, US
[72] HECHT, MAX, US
[71] KALEIDO BIOSCIENCES, INC., US
[85] 2021-02-12
[86] 2019-08-21 (PCT/US2019/047595)
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[54] **DEVICE FOR MAKING AN OPENING IN AN OBJECT OF INTEREST**
[54] **DISPOSITIF DE REALISATION D'UNE OUVERTURE DANS UN OBJET D'INTERET**
[72] DAVIDOV, TSACHI, IL
[72] LEVIT, AMIR, IL
[71] K.V. LTD., IL
[71] SHLOMI, NOAH, IL
[71] VEINSTEIN, DORON, IL
[85] 2021-02-12
[86] 2019-01-22 (PCT/IL2019/050088)
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[25] EN
[54] **MANAGING INTER-RADIO ACCESS TECHNOLOGY CAPABILITIES OF A USER EQUIPMENT**
[54] **GESTION DES CAPACITES DE TECHNOLOGIE D'ACCES INTER-RADIO D'UN EQUIPEMENT UTILISATEUR**
[72] WU, CHIH-HSIANG, US
[71] GOOGLE LLC, US
[85] 2021-02-12
[86] 2019-08-22 (PCT/US2019/047750)
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[51] **Int.Cl. G06N 10/00 (2019.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **HYBRID QUANTUM-CLASSICAL COMPUTER SYSTEM AND METHOD FOR PERFORMING FUNCTION INVERSION**
[54] **SYSTEME INFORMATIQUE HYBRIDE QUANTIQUE-CLASSIQUE ET PROCEDE DE REALISATION D'INVERSION DE FONCTION**
[72] CAO, YUDONG, US
[72] OLSON, JONATHAN P., US
[72] ANSCHUETZ, ERIC R., US
[71] ZAPATA COMPUTING, INC., US
[85] 2021-02-12
[86] 2019-08-16 (PCT/US2019/046966)
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[30] US (62/719,464) 2018-08-17
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[51] **Int.Cl. A61K 31/02 (2006.01) G16B 20/10 (2019.01) A61K 31/03 (2006.01) A61K 31/755 (2006.01) A61P 35/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **BIOMARKERS FOR CANCER THERAPY**
[54] **BIOMARQUEURS POUR LA CANCEROTHERAPIE**
[72] LI, XIANG, CN
[72] CHEN, YIYOU, US
[71] BEIJING PERCANS ONCOLOGY CO. LTD., CN
[85] 2021-02-12
[86] 2019-08-12 (PCT/US2019/046124)
[87] (WO2020/036852)
[30] CN (PCT/CN2018/100206) 2018-08-13
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[54] **ENERGY EFFICIENT LOW-FOULING HIGH-RECOVERY REVERSE OSMOSIS SYSTEM FOR BRACKISH WATER DESALINATION**
[54] **SYSTEME D'OSMOSE INVERSE ECOENERGETIQUE, A RECUPERATION ELEVEE ET A FAIBLE ENCRASSEMENT, POUR LE DESSALEMENT DE L'EAU SAUMATRE**
[72] AGNIHOTRI, DILEEP KUMAR, US
[72] BARELLI, JOHN JOSEPH, US
[71] AGNIHOTRI, DILEEP KUMAR, US
[71] BARELLI, JOHN JOSEPH, US
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[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] OHDACHI, KAZUHIRO, JP
[72] FUJIMORI, YUSUKE, JP
[72] MAKITA, NAOYA, JP
[72] KOSEKI, NORITAKA, JP
[72] HAYASHI, HIDEKI, JP
[72] SAKAMOTO, YUKI, JP
[72] MINENO, KURUMI, JP
[72] TAGA, RYOSUKE, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2021-02-12
[86] 2019-09-06 (PCT/JP2019/035233)
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[30] JP (2018-167488) 2018-09-07

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[51] **Int.Cl. A61B 8/08 (2006.01) A61B 90/00 (2016.01) A61B 5/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR GUIDING COLLECTION OF ULTRASOUND DATA**
[54] **PROCEDES ET APPAREILS DE GUIDAGE DE COLLECTE DE DONNEES ULTRASONORES**
[72] SILBERMAN, NATHAN, US
[72] LOVCHINSKY, IGOR, US
[71] BUTTERFLY NETWORK, INC., US
[85] 2021-02-12
[86] 2019-08-19 (PCT/US2019/047028)
[87] (WO2020/041177)
[30] US (62/765,314) 2018-08-20

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[25] EN
[54] **COMPOSITION CONTAINING MORINGA E TRACT AND/OR P L ERIZED PROD CT**
[54] **COMPOSITION CONTENANT UN EXTRAIT ET/OU UN PRODUIT BROYE DE MORINGA**
[72] SHIMIZU, KAZUO, US
[72] MORIWAKI, MASAMITSU, US
[71] TAIYO KAGAKU CO., LTD., JP
[85] 2021-02-12
[86] 2019-11-08 (PCT/JP2019/043940)
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[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING DIFLUOROMETHANE, TETRAFLUOROPROPENE, AND CARBON DIOXIDE AND USES THEREOF**
[54] **COMPOSITIONS CONTENANT DU DIFLUOROMETHANE, DU TETRAFLUOROPROPENE ET DU DIOXYDE DE CARBONE ET UTILISATIONS ASSOCIEES**
[72] HUGHES, JOSHUA, US
[72] MINOR, BARBARA HAVILAND, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2021-02-12
[86] 2019-10-25 (PCT/US2019/058005)
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[30] US (62/750,935) 2018-10-26

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[51] **Int.Cl. A61K 31/519 (2006.01)**
[25] EN
[54] **DEGRADATION OF FAK OR FAK AND ALK BY CONJUGATION OF FAK AND ALK INHIBITORS WITH E3 LIGASE LIGANDS AND METHODS OF USE**
[54] **DEGRADATION DE FAK OU FAK ET ALK PAR CONJUGAISON D'INHIBITEURS DE FAK ET D'ALK AVEC DES LIGANDS DE LIGASE E3 ET PROCEDES D'UTILISATION**
[72] GRAY, NATHANAEL S., US
[72] JIANG, BAISHAN, US
[72] NABET, BEHNAM, US
[72] ZHANG, TINGHU, US
[72] HAO, MINGFENG, CN
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[86] 2019-09-26 (PCT/US2019/053139)
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[25] EN
[54] **DIRECT ENHANCED VIEW OPTIC**
[54] **ELEMENT OPTIQUE DE VISION DIRECTE AMELIOREE**
[72] PARKER, WILLIAM, US
[72] STRAUSS, MICHAEL, US
[71] MARSUPIAL HOLDINGS, INC., US
[85] 2021-02-12
[86] 2019-08-15 (PCT/US2019/046669)
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[30] US (62/764,725) 2018-08-15
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[54] **ROTARY TRAVELING VALVE**
[54] **VANNE MOBILE ROTATIVE**
[72] JONES, ROY, US
[71] STINGER OIL TOOLS, LLC, US
[85] 2021-02-12
[86] 2019-08-12 (PCT/US2019/046211)
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[51] **Int.Cl. A61K 31/353 (2006.01)**
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[54] **CANNABIDIOL COMPOSITION AND METHODS THEREOF**
[54] **COMPOSITION DE CANNABIDIOL ET PROCEDES ASSOCIES**
[72] SHEPARD, KIRSTEN K., US
[71] SHEPARD, KIRSTEN K., US
[85] 2021-02-12
[86] 2019-08-15 (PCT/US2019/046672)
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[25] EN
[54] **BENZIMIDAZOLE COMPOUNDS AND USE THEREOF FOR TREATING ALZHEIMER'S DISEASE OR HUNTINGTON'S DISEASE**
[54] **COMPOSES DE BENZIMIDAZOLE ET LEUR UTILISATION POUR TRAITER LA MALADIE D'ALZHEIMER OU LA MALADIE DE HUNTINGTON**
[72] SHIH, CHUAN, US
[72] CHEN, CHIH-HAO, TW
[72] CHEN, CHIUNG-TONG, TW
[72] WANG, HWEI-JIUNG, TW
[72] HUANG, KAI-FA, TW
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[71] ACADEMIA SINICA, TW
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[54] **BLOCKCHAIN BASED HARDWARE AUTHENTICATION**
[54] **AUTHENTIFICATION D'APPAREIL MATERIEL BASEE SUR UNE CHAINE DE BLOCS**
[72] PRATZ, STERLING, US
[72] TABIBIAN, ORANG RYAN, US
[72] MCCABE, MARK, US
[71] CAR IQ INC., US
[85] 2021-02-12
[86] 2019-08-15 (PCT/US2019/046704)
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[54] **SYSTEMS, METHODS, AND DEVICES FOR IMPROVING SAFETY AND FUNCTIONALITY OF CRAFT HAVING ONE OR MORE ROTORS**
[54] **SYST?MES, PROCEDES ET DISPOSITIFS POUR RENFORCER LA SECURITE ET LA FONCTIONNALITE D'UN ENGIN A UN OU PLUSIEURS ROTORS**
[72] MILLER, RALPH IRAD, US
[72] MILLER, WANNETT SMITH OGDEN, US
[71] MILLER, RALPH IRAD, US
[71] MILLER, WANNETT SMITH OGDEN, US
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[54] **EARLY VELOCITY MEASUREMENT FOR PROJECTILES BY DETECTING SPIN**
[54] **MESURE DE VITESSE PRECOCE POUR PROJECTILES PAR DETECTION DE TOURNOIEMENT**
[72] ZEMANY, PAUL D., US
[72] CHROBAK, MATTHEW F., US
[71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
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[30] US (62/725,466) 2018-08-31

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[54] **ROBUST ARRIVAL PICKING OF SEISMIC VIBRATORY WAVES**
[54] **CAPTURE ROBUSTE D'ARRIVEE D'ONDES VIBRATOIRES SISMIQUES**
[72] BAEK, HYOUNGSU, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-02-12
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[25] EN
[54] **LEUCINE ZIPPER-BASED COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS A BASE DE FERMETURE A GLISSIERE A LEUCINE ET METHODES D'UTILISATION**
[72] JAMES, SCOTT E., US
[72] VAN DEN BRINK, MARCEL R.M., US
[72] JAHN, LORENZ, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2021-02-12
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[54] **INKJET AND DIRECT THERMAL PRINTABLE MEDIA**
[54] **SUPPORTS IMPRIMABLES PAR JET D'ENCRE ET IMPRESSION THERMIQUE DIRECTE**
[72] SHIH, FRANK Y., US
[72] TATARYAN, ANAHIT, US
[72] BUEHNE, WILLIAM J., US
[71] CCL LABEL, INC., US
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[25] EN
[54] **NONCE INJECTION AND OBSERVATION SYSTEM FOR DETECTING EAVESDROPPERS**
[54] **SYSTEME D'INJECTION ET D'OBSERVATION DE VALEUR DE CIRCONSTANCE POUR LA DETECTION D'ECOUTES CLANDESTINES**
[72] PLONKA, DAVID J., US
[72] ROSE, KYLE R., US
[72] ROBERTS, LAURA M., US
[71] AKAMAI TECHNOLOGIES, INC., US
[85] 2021-02-12
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[54] **AUTO-ADJUSTABLE BUOYANCY PRESSURE VESSEL FOR SCUBA**
[54] **RECIPIENT SOUS PRESSION DE FLOTTABILITE REGLABLE AUTOMATIQUEMENT POUR SCAPHANDRE AUTONOME**
[72] CAHANA, AVIAD, US
[71] CAHANA, AVIAD, US
[85] 2021-02-12
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[25] EN
[54] **BOTTOM HOLE ASSEMBLY DEPLOYMENT**
[54] **DEPLOIEMENT D'ENSEMBLE DE FOND DE TROU**
[72] ARSALAN, MUHAMMAD, SA
[72] HANSEN, STIAN MARIUS, NO
[72] FELLINGHAUG, JARL ANDRE, NO
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] WIRELESS INSTRUMENTATION SYSTEMS AS, NO
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[25] EN
[54] **PRODUCTION METHODS FOR VIRAL VECTORS**
[54] **PROCEDES DE PRODUCTION DE VECTEURS VIRAUX**
[72] RICKS, DAVID, US
[72] BEARD, BRIAN, US
[72] LAW, KENNETH, US
[72] PRABHAKAR, RAJ, US
[72] PATEL, KINNARI, US
[71] SPACECRAFT SEVEN, LLC, US
[85] 2021-02-12
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[54] **THRU-TUBING OPERATIONS**
[54] **OPERATIONS DE TUBE TRAVERSANT**
[72] ARSALAN, MUHAMMAD, SA
[72] FELLINGHAUG, JARL ANDRE, NO
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] WIRELESS INSTRUMENTATION SYSTEMS AS, NO
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[54] **PROSTHETIC CARDIAC VALVE DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET METHODES POUR VALVULE CARDIAQUE PROTHETIQUE**
[72] ARGENTO, CLAUDIO, US
[72] BACKUS, ANDREW, US
[72] YANG, ALICE, US
[71] SHIFAMED HOLDINGS, LLC, US
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[25] EN
[54] **QUANTUM COMPUTER WITH IMPROVED QUANTUM OPTIMIZATION BY EXPLOITING MARGINAL DATA**
[54] **ORDINATEUR QUANTIQUE A OPTIMISATION QUANTIQUE AMELIOREE PAR EXPLOITATION DE DONNEES MARGINALES**
[72] JOHNSON, PETER D., US
[72] RADIN, MAXWELL D., US
[72] ROMERO, JHONATHAN, US
[72] CAO, YUDONG, US
[72] KATABARWA, AMARA, US
[71] ZAPATA COMPUTING, INC., US
[85] 2021-02-12
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[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCTION OF A RENEWABLE LIQUID FUEL**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'UN CARBURANT LIQUIDE RENOUVELABLE**
[72] SEIDNER, MARC A., US
[71] SEIDNER, MARC A., US
[85] 2021-02-12
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[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTING CONTAMINATION BETWEEN SAMPLES**
[54] **PROCEDES ET SYSTEMES DE DETECTION DE CONTAMINATION ENTRE ECHANTILLONS**
[72] CHUDOVA, DARYA, US
[72] ELTOUKHY, HELMY, US
[72] FAIRCLOUGH, STEPHEN, US
[72] RAJAGOPALAN, NARSI, US
[72] SIKORA, MARCIN, US
[71] GUARDANT HEALTH, INC., US
[85] 2021-02-12
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[54] **COMPOSITIONS AND METHODS FOR GENERATING HAIR CELLS BY UPREGULATING JAG-1**
[54] **COMPOSITIONS ET METHODES POUR GENERER DES CELLULES CILIEES PAR LA REGULATION A LA HAUSSE DE JAG-1**
[72] LOOSE, CHRISTOPHER, US
[72] MCLEAN, WILL, US
[72] HARRISON, MEGAN, US
[71] FREQUENCY THERAPEUTICS, INC., US
[85] 2021-02-12
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[25] EN
[54] **SELF PRIMING, RELEASABLE, WRAP-AROUND LABEL**
[54] **ETIQUETTE AUTO-AMORCANTE, AMOVIBLE ET ENVELOPPANTE**
[72] CUSHING, ERIC, US
[71] CCL LABEL, INC., US
[85] 2021-02-12
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[25] EN
[54] **METHODS FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE**
[72] FELDMAN, EVA L., US
[72] MURDOCK, BEN, US
[72] GOUTMAN, STEPHEN, US
[72] JACOBY, STACEY, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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[51] **Int.Cl. H01S 5/042 (2006.01) H01S 5/06 (2006.01) H01S 5/183 (2006.01) H01S 5/20 (2006.01)**
[25] EN
[54] **USE OF METAL-CORE PRINTED CIRCUIT BOARD (PCB) FOR GENERATION OF ULTRA-NARROW, HIGH-CURRENT PULSE DRIVER**
[54] **UTILISATION D'UNE CARTE DE CIRCUIT IMPRIME A NOYAU METALLIQUE (PCB) POUR LA GENERATION D'UNE COMMANDE A IMPULSION A COURANT ELEVE ULTRA-ETROITE**
[72] RUBEN, ERIC PAUL, US
[72] MAILLARD, JEAN MICHEL, US
[72] THIAGARAJAN, PRABHU, US
[71] LEONARDO ELECTRONICS US INC., US
[85] 2021-02-12
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[51] **Int.Cl. A61M 39/10 (2006.01) B29C 45/14 (2006.01) B29C 65/70 (2006.01) F16L 31/02 (2006.01) F16L 33/20 (2006.01)**
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[54] **FUNCTIONALIZED UNITARY MOLDED MANIFOLDS FOR CLOSED FLUID HANDLING SYSTEMS**
[54] **COLLECTEURS MOULES UNITAIRES FONCTIONNALISES POUR SYSTEMES FERMES DE MANIPULATION DE FLUIDE**
[72] KNEEN, DAVID THOMAS, AU
[72] NEIL, ROBERT ALISTER, AU
[71] INVETECH, INC., US
[85] 2021-02-12
[86] 2019-08-13 (PCT/US2019/046322)
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[51] **Int.Cl. A01H 3/00 (2006.01) C12N 15/113 (2010.01) A01N 65/00 (2009.01) A61K 31/7088 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **RNA-BASED THERAPEUTIC METHODS TO PROTECT ANIMALS AGAINST PATHOGENIC BACTERIA AND / OR PROMOTE BENEFICIAL EFFECTS OF SYMBIOTIC AND COMMENSAL BACTERIA**
[54] **PROCEDES THERAPEUTIQUES A BASE D'ARN POUR PROTEGER DES ANIMAUX VIS-A-VIS DE BACTERIES PATHOGENES ET/OU FAVORISER LES EFFETS BENEFIQUES DE BACTERIES SYMBIOTIQUES ET COMMENSALES**
[72] NAVARRO, LIONEL, FR
[72] SINGLA RASTOGI, MEENU, IN
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ECOLE NORMALE SUPERIEURE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
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[86] 2019-08-19 (PCT/EP2019/072170)
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[30] EP (18306124.1) 2018-08-17

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[51] **Int.Cl. H04N 19/85 (2014.01) H04N 19/60 (2014.01)**
[25] EN
[54] **IMAGE PROCESSING NOISE REDUCTION**
[54] **REDUCTION DE BRUIT DE TRAITEMENT D'IMAGE**
[72] KISER, WILLIE C., US
[72] TOCCI, MICHAEL D., US
[72] TOCCI, NORA, US
[71] CONTRAST, INC., US
[85] 2021-02-12
[86] 2019-08-13 (PCT/US2019/046348)
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[51] **Int.Cl. A01N 37/02 (2006.01) A01N 59/00 (2006.01) A01N 59/06 (2006.01)**
[25] EN
[54] **PLANT BASED COMPOSITIONS AND METHODS FOR THE DELIVERY OF MAGNESIUM**
[54] **COMPOSITIONS A BASE DE PLANTES ET METHODES D'ADMINISTRATION DE MAGNESIUM**
[72] EL-KHODOR, BASSEM, F., US
[72] TROUP, JOHN, US
[72] METZGER, BRANDON, US
[71] STANDARD PROCESS, INC., US
[85] 2021-02-12
[86] 2019-08-13 (PCT/US2019/046349)
[87] (WO2020/036956)
[30] US (62/718,127) 2018-08-13

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[51] **Int.Cl. G06K 9/36 (2006.01) G06K 9/40 (2006.01) G09G 5/02 (2006.01)**
[25] EN
[54] **IMAGE COMPRESSION**
[54] **COMPRESSION D'IMAGE**
[72] KISER, WILLIE C., US
[72] TOCCI, MICHAEL D., US
[72] TOCCI, NORA, US
[71] CONTRAST, INC., US
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[25] EN
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[54]
[72] HONG, LE-HOA, US
[72] UTZ, MARTIN, DE
[72] VEYNA, GERARDO, MX
[72] RAMIREZ, GILDARDO, MX
[72] MAMMEN, THOMAS, US
[71] CCL LABEL, INC., US
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[25] EN
[54] **CONNECTION AND FEATURES FOR INTERCHANGEABLE NOSECONE FOR A TROLLING MOTOR**
[54] **CONNEXION ET FONCTIONNALITES DE COIFFE INTERCHANGEABLE DESTINEE A UN PROPULSEUR ELECTRIQUE**
[72] BURTON, AARON J., US
[72] LASTER, MATTHEW, US
[72] CLARK, JEREMIAH, US
[72] CRAWFORD, CHRISTOPHER DEAN, US
[72] BAILEY, PAUL ROBERT, NZ
[71] NAVICO HOLDING AS, NO
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[25] EN
[54] **CART WITH ELECTRONIC DEVICE DOCKING AND CHARGING CAPABILITES**
[54] **CHARIOT DOTE DE CAPACITES D'ACCUEIL ET DE CHARGEMENT DE DISPOSITIFS ELECTRONIQUES**
[72] RACENET, DAVID, US
[72] RACENET, DANYEL, US
[72] SAPRE, PARAG, US
[72] ALFIERI, FRANCESCO, US
[71] COVIDIEN LP, US
[22] 2013-12-02
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[25] EN
[54] **NOVEL MHC-INDEPENDENT TUMOR-ASSOCIATED ANTIGENS**
[54] **NOUVEAUX ANTIGENES ASSOCIES A UNE TUMEUR INDEPENDANTE DU CMH**
[72] SCHADENDORF, DIRK, DE
[72] PASCHEN, ANNETTE, DE
[72] LUBCKE, SILKE, DE
[72] FATHO, MARTINA, DE
[72] EBERTS, DANIELA, DE
[72] ECHCHANNAOUI, HAKIM, DE
[72] LENNERZ, VOLKER, DE
[72] WOLFEL, CATHERINE, DE
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[71] BIONTECH RNA PHARMACEUTICALS GMBH, DE
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[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54]
[72] ZHANG, YI, CN
[72] NIU, FENGGANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-11-26
[41] 2017-06-01
[62] 2,997,815

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[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/40 (2012.01) G06Q 40/04 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54]
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[72] NIU, FENGGANG, CN
[71] 10353744 CANADA LTD., CA
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[51] **Int.Cl. G01N 33/564 (2006.01) G01N 33/15 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **ASSAYS FOR THE DETECTION OF ANTI-TNF DRUGS AND AUTOANTIBODIES**
[54] **DOSAGES VISANT A DETECTER DES MEDICAMENTS ANTI-TNF ET DES AUTO-ANTICORPS**
[72] SINGH, SHARAT, US
[72] WANG, SHUI LONG, US
[72] OHRMUND, LINDA, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[62] 2,778,454
[30] US (61/255,048) 2009-10-26
[30] US (61/262,877) 2009-11-19
[30] US (61/324,635) 2010-04-15
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[30] US (61/393,581) 2010-10-15

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[54] **METHOD AND SYSTEM FOR CIRCUIT SIMULATION**
[54] **METHODE ET SYSTEME DE SIMULATION DE CIRCUIT**
[72] TIAN, YU, CA
[71] TIAN, YU, CA
[22] 2017-12-14
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[62] 2,988,865

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[72] LITTLER, BENJAMIN JOSEPH, US
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[54] **FACTEUR D'ECHELLE OPTIMISE POUR L'EXTENSION DE BANDE DE FREQUENCE DANS UN DECODEUR DE SIGNAUX AUDIOFREQUENCES**
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[72] OLESINSKA, PAULINA A., US
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[71] VICTAULIC COMPANY, US
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