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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
[52] - Domestic Classification
[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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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 November 30, 2021 contains applications open to public inspection from November 14, 2021 to November 20, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 30 novembre 2021 contient les demandes disponibles au public pour consultation pour la période du 14 novembre 2021 au 20 novembre 2021.

Canadian Patents Issued

November 30, 2021

Brevets canadiens délivrés

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[25] EN
[54] **GENERATING MESSAGE NOTIFICATIONS PROVIDING DIRECTION ACTIONS**
[54] **PRODUCTION D'AVIS DE MESSAGE FOURNISSANT DES DIRECTIONS**
[72] STEEVES, RYAN DAVID, CA
[72] ZIEGLER, RUDOLPH FERDINAND, CA
[72] PEDWYSOCKI, ALEXANDER JAMES, CA
[72] ARBSJO, JONAS OVE, SE
[73] BLACKBERRY LIMITED, CA
[86] (2855033)
[87] (2855033)
[22] 2014-06-25
[30] EP (13174439.3) 2013-06-28

[11] **2,857,514**
[13] C
[51] **Int.Cl. B29C 49/24 (2006.01) B65D 25/14 (2006.01)**
[25] EN
[54] **PROCESS AND MACHINERY FOR INTEGRATION OF DISCRETE PARTS INTO COMPOSITE CONTAINERS**
[54] **PROCEDE ET MACHINES POUR INTEGRATION DE PARTIES INDIVIDUELLES DANS DES RECIPIENTS COMPOSITES**
[72] CORBETT, JULIE, US
[72] GRAHAM, ROMEO, CA
[72] WATTERS, ROBERT, CA
[72] SIROIS, MICHAEL G., CA
[72] KLIPPENSTEIN, KEN, US
[72] SCHRAMM, DENNIS E., US
[72] BOUCHER, LUC, CA
[73] ECO.LOGIC BRANDS INC., US
[85] 2014-05-29
[86] 2012-11-30 (PCT/US2012/067331)
[87] (WO2013/082450)
[30] US (61/565,204) 2011-11-30

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/12 (2006.01) C08B 30/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **VARIETY CORN LINE ID2516**
[54] **LIGNEE DE MAIS DE VARIETE ID2516**
[72] DE DREU, ADRIAN JAN, CA
[73] SYNGENTA PARTICIPATIONS AG, CH
[86] (2857768)
[87] (2857768)
[22] 2014-07-24
[30] US (13/952,067) 2013-07-26

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[13] C
[51] **Int.Cl. H04B 10/071 (2013.01)**
[25] EN
[54] **OPTICAL FIBER TESTING USING OTDR INSTRUMENT**
[54] **ESSAI DE FIBRE OPTIQUE AU MOYEN D'UN INSTRUMENT DE REFLECTOMETRIE OPTIQUE TEMPORELLE**
[72] KASSLER, HARLAN, US
[73] FLUKE CORPORATION, US
[86] (2860404)
[87] (2860404)
[22] 2014-08-22
[30] US (14012747) 2013-08-28

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[11] **2,860,989**
[13] C
[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF LAWFUL ACCESS TO SECURE COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE D'ACCES LEGAL A DES COMMUNICATIONS SECURISEES**
[72] BUCKLEY, MICHAEL EOIN, US
[72] ZAVERUCHA, GREGORY MARC, US
[72] CAMPAGNA, MATTHEW JOHN, US
[73] BLACKBERRY LIMITED, CA
[85] 2014-07-11
[86] 2013-01-11 (PCT/CA2013/050014)
[87] (WO2013/104071)
[30] US (61/586,074) 2012-01-12
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[13] C
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 9/02 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **INTERNALLY COOLED AIRFOIL**
[54] **SURFACE PORTANTE A REFROIDISSEMENT INTERNE**
[72] PAPPLE, MICHAEL, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2861175)
[87] (2861175)
[22] 2014-08-26
[30] US (14/039,181) 2013-09-27

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[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SOLUBLE MANF IN PANCREATIC BETA-CELL DISORDERS**
[54] **MANF SOLUBLE DANS LES TROUBLES DES CELLULES BETA PANCREATIQUES**
[72] URANO, FUMIHIKO, US
[72] KANEKURA, KOHSUKE, US
[73] UNIVERSITY OF MASSACHUSETTS, US
[85] 2014-07-17
[86] 2013-01-23 (PCT/US2013/022768)
[87] (WO2013/112602)
[30] US (61/590,021) 2012-01-24

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTIBODIES TO INTEGRIN .ALPHA.V.BETA.6 AND USE OF SAME TO TREAT CANCER**
[54] **ANTICORPS DIRIGES CONTRE L'INTEGRINE .ALPHA.V.BETA.6 ET LEUR UTILISATION POUR LE TRAITEMENT DU CANCER**
[72] RYAN, MAUREEN, US
[72] SUSSMAN, DJANGO, US
[73] SEAGEN INC., US
[85] 2014-07-22
[86] 2013-02-14 (PCT/US2013/026087)
[87] (WO2013/123152)
[30] US (61/600,499) 2012-02-17
[30] US (61/602,511) 2012-02-23

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[51] **Int.Cl. H01M 8/0612 (2016.01) C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/40 (2006.01)**
[25] EN
[54] **CATALYTICALLY HEATED FUEL PROCESSOR WITH REPLACEABLE STRUCTURED SUPPORTS BEARING CATALYST FOR FUEL CELL**
[54] **PROCESSEUR DE COMBUSTIBLE CHAUFFE CATALYTIQUEMENT A SUPPORTS STRUCTURES REMPLACABLES PORTANT UN CATALYSEUR POUR PILE A COMBUSTIBLE**
[72] VERYKIOS, XENOPHON, GR
[72] HALKIDES, THOMAS, GR
[72] STAVRAKAS, ANDREAS, GR
[72] BASAYIANNIS, ARIS, GR
[73] HELBIO SOCIETE ANONYME HYDROGEN AND ENERGY PRODUCTION SYSTEMS, GR
[85] 2014-07-24
[86] 2012-03-08 (PCT/GR2012/000011)
[87] (WO2013/132276)

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[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **MEDICAL APPARATUS AND METHOD**
[54] **APPAREIL MEDICAL ET PROCEDE ASSOCIE**
[72] KIRK, RICHARD ANTHONY, GB
[72] HOLLAND, MARTIN NEIL, GB
[72] SNELL, THOMAS, GB
[72] HILL, DUNCAN, GB
[72] BARCLAY, LUKE STUART, GB
[73] POLYPHOTONIX LIMITED, GB
[85] 2014-08-22
[86] 2013-02-04 (PCT/GB2013/050254)
[87] (WO2013/124615)
[30] GB (1203005.2) 2012-02-22

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[51] **Int.Cl. H01M 4/82 (2006.01) H01M 4/68 (2006.01) H01M 10/12 (2006.01)**
[25] EN
[54] **NEW PASTING PAPER MADE OF GLASS FIBER NONWOVEN COMPRISING CARBON GRAPHITE**
[54] **NOUVEAU PAPIER COLLAGE FABRIQUE A PARTIR D'UNE FIBRE DE VERRE NON TISSEE COMPRENANT DU CARBONE GRAPHITE**
[72] KETZER, MICHAEL, DE
[72] ALBERT, GEROLD, DE
[72] GUO, ZHIHUA, US
[72] NANDI, SOUVIK, US
[72] ASRAR, JAWED, US
[72] DIETZ, ALBERT G., III, US
[73] JOHNS MANVILLE, US
[86] (2865475)
[87] (2865475)
[22] 2014-10-02
[30] US (14/045,579) 2013-10-03
[30] US (14/048,771) 2013-10-08

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[13] C
[51] **Int.Cl. H04N 21/23 (2011.01)**
[25] EN
[54] **VIDEO ROUTER**
[54] **ROUTEUR VIDEO**
[72] PATEL, RAKESH, CA
[73] EVERTZ MICROSYSTEMS LTD., CA
[86] (2866073)
[87] (2866073)
[22] 2014-10-02
[30] US (61/885588) 2013-10-02

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[13] C
[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **ALTERNATING SAGD INJECTIONS**
[54] **INJECTIONS ALTERNATIVES DE DRAINAGE PAR GRAVITE AU MOYEN DE VAPEUR**
[72] LO, LILIAN, US
[72] CHEN, QING, US
[73] CONOCOPHILLIPS COMPANY, US
[86] (2869217)
[87] (2869217)
[22] 2014-10-28
[30] US (61/897555) 2013-10-30
[30] US (14/524205) 2014-10-27

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[13] C
[51] **Int.Cl. H01P 5/107 (2006.01) H01P 1/02 (2006.01)**
[25] EN
[54] **WAVEGUIDE TO PARALLEL-PLATE TRANSITION AND DEVICE INCLUDING THE SAME**
[54] **TRANSITION DE PLAQUE PARALLELE A GUIDE D'ONDES ET DISPOSITIF COMPORTANT CELUI-CI**
[72] MILROY, WILLIAM, US
[72] LEMONS, ALAN C., US
[73] THINKOM SOLUTIONS, INC., US
[86] (2869756)
[87] (2869756)
[22] 2014-11-05
[30] US (14/073,990) 2013-11-07

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[11] **2,869,905**
[13] C
[51] **Int.Cl. H04B 7/024 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING A FEEDBACK SIGNAL IN A MOBILE COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION D'UN SIGNAL DE RETROACTION DANS UN SYSTEME DE COMMUNICATION MOBILE**
[72] LEE, HYO-JIN, KR
[72] KIM, YOUN-SUN, KR
[72] KIM, KI-IL, KR
[72] CHOI, SEUNG-HOON, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2014-10-07
[86] 2013-04-10 (PCT/KR2013/003006)
[87] (WO2013/154352)
[30] US (61/622,248) 2012-04-10

[11] **2,870,769**
[13] C
[51] **Int.Cl. A61K 38/18 (2006.01) C07K 14/71 (2006.01)**
[25] EN
[54] **VASCULAR ENDOTHELIAL GROWTH FACTOR ANTAGONISTS AND METHODS FOR THEIR USE**
[54] **ANTAGONISTES DE FACTEUR DE CROISSANCE ENDOTHELIAL VASCULAIRE ET METHODES DESTINEES A LEUR UTILISATION**
[72] BOTTARO, DONALD P., US
[72] CECCHI, FABIOLA, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2014-10-16
[86] 2013-04-26 (PCT/US2013/038506)
[87] (WO2013/163606)
[30] US (61/639,230) 2012-04-27

[11] **2,872,591**
[13] C
[51] **Int.Cl. A61K 35/51 (2015.01) A61P 11/00 (2006.01)**
[25] EN
[54] **HUTC MODULATION OF PRO-INFLAMMATORY MEDIATORS OF LUNG AND PULMONARY DISEASES AND DISORDERS**
[54] **MODULATION DE HUTC DE MEDIATEURS PRO-INFLAMMATOIRES DE MALADIES ET DE TROUBLES DES POUMONS ET PULMONAIRES**
[72] KIHM, ANTHONY J., US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2014-11-04
[86] 2013-05-14 (PCT/US2013/041002)
[87] (WO2013/173376)
[30] US (13/471,095) 2012-05-14

[11] **2,875,726**
[13] C
[51] **Int.Cl. A01N 35/04 (2006.01) A01N 37/34 (2006.01) A01N 37/36 (2006.01) A01N 37/38 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 43/30 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01) A01N 43/84 (2006.01) A01N 43/88 (2006.01) A01N 47/02 (2006.01) A01N 47/12 (2006.01) A01N 47/18 (2006.01)**
[25] EN
[54] **SYNERGISTIC COMPOSITIONS FOR THE PROTECTION OF AGRARIAN CROPS AND THE USE THEREOF**
[54] **COMPOSITIONS SYNERGETIQUES POUR LA PROTECTION DE RECOLTES AGRICOLES ET LEUR UTILISATION**
[72] PELLACINI, FRANCO, IT
[72] VAZZOLA, MATTEO SANTINO, IT
[72] GUSMEROLI, MARILENA, IT
[72] SINANI, ENTELA, IT
[72] RISERVATO, MANUELA, IT
[73] STICHTING I-F PRODUCT COLLABORATION, NL
[85] 2014-12-04
[86] 2013-06-13 (PCT/EP2013/062306)
[87] (WO2013/186325)
[30] IT (MI2012A 001045) 2012-06-15

[11] **2,877,265**
[13] C
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 25/30 (2006.01) A01N 31/02 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ALCOHOL-BASED DISINFECTANT**
[54] **DESINFECTANT A BASE D'ALCOOL**
[72] BRUCKNER, ERIK, DE
[72] SCHUMACHER, JENS, DE
[73] DR. SCHUMACHER GMBH, DE
[86] (2877265)
[87] (2877265)
[22] 2015-01-12
[30] EP (14 152 150.0) 2014-01-22

[11] **2,877,745**
[13] C
[51] **Int.Cl. A61K 38/48 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **TREATMENT OF INFLAMMATORY SKIN DISORDERS**
[54] **TRAITEMENT DE TROUBLES CUTANES INFLAMMATOIRES**
[72] JACKSON, CHRISTOPHER JOHN, AU
[72] XUE, MEILANG, AU
[73] ZZ BIOTECH LLC, US
[85] 2014-12-23
[86] 2013-07-04 (PCT/AU2013/000729)
[87] (WO2014/005183)
[30] AU (2012902874) 2012-07-04

[11] **2,878,063**
[13] C
[51] **Int.Cl. A61B 18/22 (2006.01) A61F 9/008 (2006.01) B23K 26/00 (2014.01)**
[25] EN
[54] **IRRADIATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'IRRADIATION**
[72] YU, DAO-YI, AU
[72] CRINGLE, STEPHEN JOHN, AU
[73] LIONS EYE INSTITUTE LIMITED, AU
[85] 2014-12-30
[86] 2013-07-11 (PCT/AU2013/000771)
[87] (WO2014/012133)
[30] AU (2012903038) 2012-07-16

[11] **2,879,337**
[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) B01D 15/38 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **METHOD FOR THE ISOLATION OF MICROVESICLES**
[54] **PROCEDE D'ISOLEMENT DE MICROVESICULES**
[72] GHOSH, ANIRBAN, CA
[73] ATLANTIC CANCER RESEARCH INSTITUTE, CA
[85] 2015-01-16
[86] 2013-07-19 (PCT/CA2013/000650)
[87] (WO2014/012168)
[30] US (61/673,353) 2012-07-19

[11] **2,882,487**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6876 (2018.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C40B 30/04 (2006.01)**
[25] EN
[54] **GENETIC POLYMORPHISMS ASSOCIATED WITH STROKE, METHODS OF DETECTION AND USES THEREOF**
[54] **POLYMORPHISMES GENETIQUES ASSOCIES A L'ACCIDENT VASCULAIRE CEREBRAL, PROCEDES DE DETECTION ET UTILISATIONS DE CES DERNIERS**
[72] LUKE, MAY, US
[72] DEVLIN, JAMES, US
[73] CELERA CORPORATION, US
[86] (2882487)
[87] (2882487)
[22] 2009-02-20
[62] 2,716,368
[30] US (61/066,584) 2008-02-20

[11] **2,882,743**
[13] C
[51] **Int.Cl. C07D 333/38 (2006.01) A61K 31/381 (2006.01)**
[25] EN
[54] **REDUCED CENTRAL CORNEAL THICKENING BY USE OF HYDROPHILIC ESTER PRODRUGS OF BETA-CHLOROCYCLOPENTANES**
[54] **EPAISSISSEMENT REDUIT DE LA CORNEE CENTRALE A L'AIDE DE PROMEDICAMENTS ESTERS HYDROPHILES DE BETA-CHLOROCYCLOPENTANES**
[72] IM, WHA BIN, US
[72] BURK, ROBERT M., US
[73] ALLERGAN, INC., US
[85] 2015-02-20
[86] 2013-08-23 (PCT/US2013/056418)
[87] (WO2014/035827)
[30] US (61/693,437) 2012-08-27

[11] **2,884,503**
[13] C
[51] **Int.Cl. C02F 3/02 (2006.01) C02F 3/00 (2006.01) C02F 3/30 (2006.01)**
[25] EN
[54] **LAGOON BIOLOGICAL TREATMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT BIOLOGIQUE DE LAGON**
[72] HILL, PATRICK D., US
[72] GALBREATH-O'LEARY, BRADEN, US
[72] WEVER, MICHAEL C., US
[73] TRIPLEPOINT ENVIRONMENTAL LLC, US
[86] (2884503)
[87] (2884503)
[22] 2015-03-06
[30] US (61/950008) 2014-03-08

[11] **2,885,000**
[13] C
[51] **Int.Cl. A62C 3/08 (2006.01)**
[25] EN
[54] **BELLOWS ACTUATED TEMPERATURE COMPENSATED PRESSURE SWITCHING APPARATUS AND SYSTEM**
[54] **APPAREIL DE COMMUTATION A PRESSION COMPENSEE PAR LA TEMPERATURE ACTIVE PAR SOUFFLET ET MECANISME**
[72] FAZZIO, MARK, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2885000)
[87] (2885000)
[22] 2015-03-16
[30] US (14/264,948) 2014-04-29

[11] **2,885,408**
[13] C
[51] **Int.Cl. H04N 19/513 (2014.01) H04N 19/124 (2014.01) H04N 19/30 (2014.01) H04N 19/597 (2014.01)**
[25] EN
[54] **IMAGE PROCESSING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] NAKAGAMI, OHJI, JP
[72] TAKAHASHI, YOSHITOMO, JP
[73] SONY CORPORATION, JP
[85] 2015-03-19
[86] 2013-09-19 (PCT/JP2013/075294)
[87] (WO2014/050695)
[30] JP (2012-218306) 2012-09-28
[30] JP (2013-041903) 2013-03-04
[30] JP (2013-134839) 2013-06-27

[11] **2,885,579**
[13] C
[51] **Int.Cl. C01B 32/158 (2017.01) B82Y 30/00 (2011.01) C01B 32/15 (2017.01) C01B 32/16 (2017.01) B01J 2/30 (2006.01) C09C 1/44 (2006.01) C09C 3/00 (2006.01)**
[25] EN
[54] **CARBON NANOSTRUCTURES AND METHODS FOR MAKING THE SAME**
[54] **NANOSTRUCTURES DE CARBONE ET PROCEDES POUR FABRIQUER CELLES-CI**
[72] SHAH, TUSHAR K., US
[72] MALECKI, HARRY CHARLES, US
[72] BASANTKUMAR, RAJINEETA RACHEL, US
[72] LIU, HAN, US
[72] FLEISCHER, COREY ADAM, US
[72] SEDLAK, JOSEPH J., US
[72] PATEL, JIGAR M., US
[72] BURGESS, WILLIAM PATRICK, US
[72] GOLDFINGER, JESS MICHAEL, US
[73] APPLIED NANOSTRUCTURED SOLUTIONS, LLC, US
[85] 2015-03-19
[86] 2013-09-26 (PCT/US2013/062032)
[87] (WO2014/052664)
[30] US (61/707,738) 2012-09-28

[11] **2,886,091**
[13] C
[51] **Int.Cl. A61K 38/05 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USE OF AN INAPPETANCE-CONTROLLING COMPOUND**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION D'UN COMPOSE DE LUTTE CONTRE L'INAPPETENCE**
[72] ZOLLERS, BILL, US
[72] RHODES, LINDA, US
[72] HEINEN, ERNST, US
[72] DEVARAJ, GOPINATH, NZ
[73] ARATANA THERAPEUTICS, INC., US
[85] 2015-03-23
[86] 2013-09-27 (PCT/US2013/062227)
[87] (WO2014/052780)
[30] US (61/706,164) 2012-09-27

[11] **2,886,613**
[13] C
[51] **Int.Cl. A23J 1/14 (2006.01) A23L 11/00 (2021.01) A23L 13/00 (2016.01) A23L 33/185 (2016.01) A21D 13/064 (2017.01) A23C 9/152 (2006.01) A23J 3/14 (2006.01) A23L 2/66 (2006.01)**
[25] EN
[54] **PRODUCTION OF PULSE PROTEIN PRODUCT USING CALCIUM CHLORIDE EXTRACTION ("YP702")**
[54] **PRODUCTION DE PRODUIT DE PROTEINE DE LEGUMES SECS PAR EXTRACTION AU CHLORURE DE CALCIUM (« YP702 »)**
[72] SEGALL, KEVIN I., CA
[72] SCHWEIZER, MARTIN, CA
[73] BURCON NUTRASCIENCE (MB) CORP., CA
[85] 2015-03-30
[86] 2013-09-30 (PCT/CA2013/000834)
[87] (WO2014/053052)
[30] US (61/708,803) 2012-10-02

[11] **2,888,850**
[13] C
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **EDGE DESIGN FOR REDUCING PHOTIC EFFECTS IN INTRAOCULAR LENSES**
[54] **MODELE DE BORD POUR REDUIRE LES EFFETS PHOTIQUES DANS DES LENTILLES INTRAOCULAIRES**
[72] ANGELOPOULOS, ROBERT D., US
[72] DAS, KAMAL K., US
[72] MCCANN, JONATHAN, US
[73] ALCON INC., US
[85] 2015-04-21
[86] 2013-10-22 (PCT/US2013/066168)
[87] (WO2014/088716)
[30] US (61/734,261) 2012-12-06

[11] **2,890,380**
[13] C
[51] **Int.Cl. C07K 14/245 (2006.01) A61K 39/108 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **RECOMBINANT POLYPEPTIDE CONSTRUCT COMPRISING MULTIPLE ENTEROTOXIGENIC ESCHERICHIA COLI FIMBRIAL SUBUNITS**
[54] **CONSTRUCTION DE POLYPEPTIDE RECOMBINE COMPRENANT DE MULTIPLES SOUS-UNITES FIMBRIALES D'ESCHERICHIA COLI ENTEROTOXIGENE**
[72] SAVARINO, STEPHEN, US
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[54] **POWER DISTRIBUTION SYSTEM WITH TESTING OF TRANSMISSION LINE**
[54] **SYSTEME DE DISTRIBUTION D'ELECTRICITE COMPORTANT UN TEST DE LA LIGNE DE TRANSMISSION**
[72] EAVES, STEPHEN, US
[73] VOLTSERVER INC., US
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[54] **MESURE DE PAPIER DE SOIE**
[72] TOSKALA, MARKO, FI
[72] MAKELA, ISMO, FI
[72] MANTYLA, MARKKU, FI
[73] VALMET AUTOMATION OY, FI
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[54] **1-PHENYL-2-PYRIDINYL ALKYL ALCOHOL DERIVATIVES AS PHOSPHODIESTERASE INHIBITORS**
[54] **DERIVES D'ALCOOL 1-PHENYL-2-PYRIDINYL ALKYLIQUE EN TANT QU'INHIBITEURS DE PHOSPHODIESTERASE**
[72] ARMANI, ELISABETTA, IT
[72] AMARI, GABRIELE, IT
[72] CAPALDI, CARMELIDA, IT
[72] CARZANIGA, LAURA, IT
[72] ESPOSITO, ORIANA, IT
[73] CHIESI FARMACEUTICI S.P.A., IT
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[54] **A SYSTEM FOR CARDIAC VALVE REPAIR**
[54] **SYSTEME DE REPARATION DE VALVULE CARDIAQUE**
[72] KERANEN, OLLI, SE
[72] VIRTANEN, JANI, FI
[72] PUGH, MARK, IE
[72] O'CARROLL, GER, IE
[72] MORAN, ADRIAN, IE
[73] MEDTENTIA INTERNATIONAL LTD OY, FI
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[54] **SYSTEM AND METHOD FOR TRACKING A PASSIVE WAND AND ACTUATING AN EFFECT BASED ON A DETECTED WAND PATH**
[54] **SYSTEME ET PROCEDE DE SUIVI D'UNE BAGUETTE PASSIVE ET D'ACTIONNEMENT D'UN EFFET D'APRES UN CHEMIN DE BAGUETTE DETECTE**
[72] KAWASH, SAMEER, US
[72] SCHWARTZ, JUSTIN MICHAEL, US
[72] BLUM, STEVEN C., US
[73] UNIVERSAL CITY STUDIOS LLC, US
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[54] **VIE DE REALISATIONS**
[72] CAMPBELL, ED, US
[72] MAYNOCK, STEVE, US
[73] LIFE OF ACHIEVEMENT, INC., US
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[54] **MEMBRANE-INTEGRATED ENERGY EXCHANGE ASSEMBLY**
[54] **ENSEMBLE D'ECHANGE D'ENERGIE INTEGRANT UNE MEMBRANE**
[72] AFSHIN, MOHAMMAD, CA
[72] ERB, BLAKE NORMAN, CA
[72] HANSON, STEPHEN, CA
[73] NORTEK AIR SOLUTIONS CANADA, INC., CA
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[54] **PRESSURE RELIEF SYSTEM FOR FOOTWEAR**
[54] **SYSTEME DE RELACHEMENT DE PRESSION POUR CHAUSSURE**
[72] O'REILLY, BRIAN, US
[72] LIDTKE, ROY HERMAN, US
[73] RIKCO INTERNATIONAL, LLC, US
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[54] **AGONISTS OF GUANYLATE CYCLASE AND THEIR USES**
[54] **AGONISTES DE LA GUANYLATE CYCLASE ET APPLICATIONS ASSOCIEES**
[72] RIFF, DENNIS, US
[72] JACOB, GARY S., US
[72] SHAILUBHAI, KUNWAR, US
[72] GRIFFIN, PATRICK H., US
[73] BAUSCH HEALTH IRELAND LIMITED, IE
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[54] **A DEVICE FOR THE POSITIONING OF A NUMBER OF SUPPORTS ON A RAIL**
[54] **DISPOSITIF DE POSITIONNEMENT D'UN CERTAIN NOMBRE D'APPUIS SUR UN RAIL**
[72] SVENSSON, AKE, SE
[73] NORDISKA TRUSS AB, SE
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[54] **CONTEXT HEALTH DETERMINATION SYSTEM**
[54] **SYSTEME DE DETERMINATION DE SANTE DE CONTEXTE**
[72] YOU, DI, US
[72] ALI, MIR F., US
[72] DAVIS, PAUL C., US
[72] LI, JIANGUO, US
[72] RUSSELL, DALE W., US
[73] ARRIS ENTERPRISES LLC, US
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[54] **USE OF SEDOHEPTULOSE FOR PREVENTION OR TREATMENT OF INFLAMMATION**
[54] **UTILISATION DE SEDOHEPTULOSE POUR LA PREVENTION OU LE TRAITEMENT DE L'INFLAMMATION**
[72] HASCHEMI, ARVAND, AT
[72] WAGNER, OSWALD, AT
[72] NAGY, CSORSZ, AT
[72] MARCULESCU, RODRIG, AT
[73] C7 SUGAR GMBH, AT
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[54] **SYSTEMES DE DETECTION ET D'IDENTIFICATION DE FORMATION D'ARC**
[72] MILLER, GARY MICHAEL, US
[73] HUBBELL INCORPORATED, US
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[54] **PRODUITS THERAPEUTIQUES PTD-SMAD7**
[72] WANG, XIAO-JING, US
[72] ZHANG, QINGHONG, US
[72] REFAELI, YOSEF, US
[73] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
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[54] **SYSTEMES ET PROCEDES POUR SYSTEMES D'ENERGIE TOLERANTS A LA PRESSION**
[72] MORASH, JAMES, US
[72] POMPA, JONATHAN, US
[72] KFIR, BEN, US
[72] DAMUS, ROBERT S., US
[72] RIKOSKI, RICHARD J., US
[73] HADAL, INC., US
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[54] **IMPLANT INTRAOCULAIRE CONTENANT DE LA PROSTAMIDE**
[72] HUGHES, PATRICK M., US
[72] SHEN, JIE, US
[72] ROBINSON, MICHAEL R., US
[72] WOODWARD, DAVID F., US
[72] BURK, ROBERT M., US
[72] LIU, HUI, US
[72] WAN, JINPING, US
[72] DURAIRAJ, CHANDRASEKAR, US
[72] AMBRUS, GYORGY F., US
[72] WU, KE, US
[72] DINH, DANNY T., US
[73] ALLERGAN, INC., US
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[54] **PHARMACEUTICAL SOFT GELATIN CAPSULE DOSAGE FORM WITH MODIFIED GUAR GUM**
[54] **FORME POSOLOGIQUE DE CAPSULE DE GELATINE MOLLE PHARMACEUTIQUE COMPORTANT DE LA GOMME DE GUAR MODIFIE**
[72] MULDOON, BRENDAN, IE
[72] LOUGHLIN, RYAN GERALD, IE
[72] SWEENEY, GERARDE, IE
[72] BOYD, EMMA KAREN, IE
[73] ALLERGAN THERAPEUTICS LLC, US
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[54] **HYDROGEL PRODRUG CARRIER WITH REDUCED DRUG LOADING ON OUTSIDE OF THE HYDROGEL**
[54] **VECTEUR DE PROMEDICAMENTS SOUS FORME D'HYDROGEL AVEC CHARGE DE MEDICAMENTS REDUITE A L'EXTERIEUR DE L'HYDROGENE**
[72] HERSEL, ULRICH, DE
[72] RAU, HARALD, DE
[72] LAUFER, BURKHARDT, DE
[72] ZETTLER, JOACHIM, DE
[72] REIMANN, ROMY, DE
[73] ASCENDIS PHARMA A/S, DK
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[54] **TRANSDERMAL DELIVERY SYSTEM COMPRISING DONEPEZIL OR ITS SALT**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE COMPRENANT DU DONEPEZIL OU UN SEL DE CE DERNIER**
[72] CHOI, YO-HAN, KR
[72] CHANG, HEE-CHUL, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
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[54] **APPAREIL DE POSE DE VALVULE CARDIAQUE PROTHETIQUE**
[72] BAKIS, GEORGE, US
[72] NGUYEN, THANH V., US
[72] PHAN, LY T., US
[72] METCHIK, ASHER, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **ANTI-INFLUENZA IMINO-RIBOSE PYRROLOPYRIMIDINE DERIVATIVES**
[54] **DERIVES PYRROLOPYRIMIDINES D'IMINO-RIBOSE ANTI-GRIPPE**
[72] SHERIDAN, WILLIAM P., US
[72] BANTIA, SHANTA, US
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[73] BIOCRYST PHARMACEUTICALS, INC., US
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[54] **APPARATUS AND METHODS FOR TREATING A TUMOR WITH AN ALTERNATING ELECTRIC FIELD AND FOR SELECTING A TREATMENT FREQUENCY BASED ON ESTIMATED CELL SIZE**
[54] **APPAREIL ET PROCEDES DE TRAITEMENT D'UNE TUMEUR PAR CHAMP ELECTRIQUE ALTERNATIF PERMETTANT DE CHOISIR UNE FREQUENCE DE TRAITEMENT BASEE SUR UNE ESTIMATION DE LA TAILLE DES CELLULE S**
[72] PALTI, YORAM, IL
[72] DISHON, MATAN, IL
[73] NOVOCURE GMBH, CH
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[54] **PURINE DIONES UTILISEES COMME MODULATEURS DE LA VOIE WNT**
[72] HO, SOO YEI, SG
[72] BLANCHARD, STEPHANIE ELIANE, SG
[72] DURAISWAMY, ATHISAYAMANI JEYARAJ, SG
[72] ALAM, JENEFER, SG
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[73] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG
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[54] **PROTEGE-BAS AVEC REVETEMENT ANTIDERAPANT**
[72] VAN TIEL, CORNELIUS HENDRIKUS NICOLAAS, NL
[72] VAN TIEL, WILHELMUS JACOBUS CORNELIUS, NL
[73] STEPS HOLDING B.V., NL
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[54] **RICE PARAMETER INITIALIZATION FOR COEFFICIENT LEVEL CODING IN VIDEO CODING PROCESS**
[54] **INITIALISATION DE PARAMETRE RICE POUR UN CODAGE DE NIVEAU DE COEFFICIENT DANS UN PROCESSUS DE CODAGE VIDEO**
[72] KARCZEWICZ, MARTA, US
[72] SOLE ROJALS, JOEL, US
[72] JOSHI, RAJAN LAXMAN, US
[72] GUO, LIWEI, US
[73] QUALCOMM INCORPORATED, US
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[54] **VACCINS CONTRE LE VIRUS INFLUENZA ET LEURS UTILISATIONS**
[72] MEIJBERG, JAN WILLEM, NL
[72] IMPAGLIAZZO, ANTONIETTA, NL
[72] RADOSEVIC, KATARINA, NL
[72] WADIA, JEHANGIR, US
[72] WILLIAMSON, ROBERT ANTHONY, GB
[72] WAGNER, MICHELLE, US
[72] DING, ZHAOQING, US
[73] JANSSEN VACCINES & PREVENTION B.V., NL
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[54] **AIRCRAFT GROUND LIFT DUMP FLIGHT CONTROL FUNCTION**
[54] **FONCTION DE COMMANDE DE VOLET DEPORTEUR D'AERONEF AU SOL**
[72] CHEDALEUX, FLORIAN, CA
[72] LETANG, ANTOINE, CA
[72] OBERFELD, LAWRENCE, CA
[72] PALMER, ERIC, CA
[72] POUDOU, VINCENT, CA
[73] BOMBARDIER INC., CA
[73] AIRBUS CANADA LIMITED PARTNERSHIP, CA
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[25] FR
[54] **IMPLANT WITH CONTROLLED POROSITY COMPRISING A MATRIX COVERED BY A BIOACTIVE GLASS OR BY A HYBRID MATERIAL**
[54] **IMPLANT A POROSITE CONTROLEE COMPRENANT UNE MATRICE REVETUE D'UN VERRE BIOACTIF OU D'UN MATERIAU HYBRIDE**
[72] LAO, JONATHAN CLAUDE ALEXANDRE, FR
[72] LACROIX, JOSEPHINE, FR
[72] JALLOT, EDOUARD DANIEL ALBERT, FR
[72] DIEUDONNE, XAVIER, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE CLERMONT AUVERGNE, FR
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[30] FR (1355057) 2013-06-03

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[25] EN
[54] **METHOD FOR PREPARING DEEP-FROZEN POTATO PIECES**
[54] **MODE DE PREPARATION DE MORCEAUX DE POMMES DE TERRE SURGELEES**
[72] LAMAIRE, BART, BE
[72] LAMAIRE, JOSE, BE
[72] LAMAIRE, BRAM, BE
[73] XINIR BVBA, BE
[73] 24HOURNAMES.COM NV, BE
[73] BRAMMIES BVBA, BE
[85] 2015-12-08
[86] 2014-06-06 (PCT/BE2014/000027)
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[30] BE (2013/00415) 2013-06-12

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[25] EN
[54] **CULTURE MEDIUM COMPOSITIONS FOR MATURATING CARDIOMYOCYTES DERIVED FROM PLURIPOTENT MAMMALIAN STEM CELLS.**
[54] **COMPOSITIONS DE MILIEU DE CULTURE POUR LA MATURATION DE CARDIOMYOCYTES DERIVES DE CELLULES SOUCHES MAMMALIENNES PLURIPOTENTES.**
[72] BRAAM, STEFAN ROBBERT, NL
[73] NCARDIA B.V., NL
[85] 2015-12-09
[86] 2014-06-06 (PCT/NL2014/050366)
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[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 50/26 (2012.01) G06F 16/903 (2019.01)**
[25] EN
[54] **DETERMINING AN EMERGENT IDENTITY OVER TIME**
[54] **DETERMINATION D'IDENTITE EMERGENTE DANS LE TEMPS**
[72] CREGO, MARK, US
[72] WHITEHEAD, JAMES, II, US
[72] PARTINGTON, ALASTAIR R., GB
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2015-12-30
[86] 2014-07-01 (PCT/US2014/045077)
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[51] **Int.Cl. G10L 21/038 (2013.01)**
[25] EN
[54] **OPTIMIZED SCALE FACTOR FOR FREQUENCY BAND EXTENSION IN AN AUDIO FREQUENCY SIGNAL DECODER**
[54] **FACTEUR D'ECHELLE OPTIMISE POUR L'EXTENSION DE BANDE DE FREQUENCE DANS UN DECODEUR DE SIGNAUX AUDIOFREQUENCES**
[72] KANIEWSKA, MAGDALENA, BE
[72] RAGOT, STEPHANE, FR
[73] KONINKLIJKE PHILIPS N.V., NL
[85] 2016-01-08
[86] 2014-07-04 (PCT/FR2014/051720)
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[51] **Int.Cl. A61L 27/20 (2006.01)**
[25] EN
[54] **CROSS-LINKED HYALURONIC ACID, PROCESS FOR THE PREPARATION THEREOF AND USE THEREOF IN THE AESTHETIC FIELD**
[54] **ACIDE HYALURONIQUE RETICULE, PROCEDE DE PREPARATION DE CELUI-CI ET UTILISATION DE CET ACIDE DANS LE DOMAINE DE L'ESTHETIQUE**
[72] CITERNESI, UGO RAFFAELLO, IT
[72] BERETTA, LORENZO, IT
[72] CITERNESI, LORENZO, IT
[73] I.R.A. ISTITUTO RICERCHE APPLICATE S.R.L., IT
[85] 2016-01-11
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[51] **Int.Cl. A47L 15/00 (2006.01)**
[25] EN
[54] **IMPROVED DEVICE FOR WASHING A GLASS**
[54] **DISPOSITIF AMELIORE POUR LAVER UN VERRE**
[72] CELLI, GOFFREDO, IT
[73] CELLI S.P.A., IT
[85] 2016-01-18
[86] 2015-01-20 (PCT/IT2015/000007)
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[25] EN
[54] **GRAPHENE MODIFICATION**
[54] **MODIFICATION DE GRAPHENE**
[72] RUSSO, CHRISTOPHER J., GB
[72] PASSMORE, LORI A., GB
[73] UNITED KINGDOM RESEARCH AND INNOVATION, GB
[85] 2016-01-22
[86] 2014-08-07 (PCT/GB2014/052423)
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[25] EN
[54] **PISTON ARRANGEMENT AND INTERNAL COMBUSTION ENGINE**
[54] **AGENCEMENT DE PISTON ET MOTEUR A COMBUSTION INTERNE**
[72] BOWEN, RYAN, GB
[73] NEWLENOIR LIMITED, GB
[85] 2016-02-08
[86] 2014-08-27 (PCT/GB2014/052592)
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[25] EN
[54] **HIGH-PRESSURE INFLATION DEVICES AND METHODS OF USE**
[54] **DISPOSITIFS DE GONFLAGE A HAUTE PRESSION ET PROCEDES D'UTILISATION**
[72] CHADWICK, DAVID CRAIG, US
[72] STEVENS, BRIAN, US
[72] PADILLA, WILLIAM, US
[73] MERIT MEDICAL SYSTEMS, INC., US
[85] 2016-02-11
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[54] **A STAIR CASE**
[54] **CAGE D'ESCALIER**
[72] BRINK, DARREN, AU
[73] CLICKSTAIR PTY LTD, AU
[85] 2016-02-18
[86] 2014-08-28 (PCT/AU2014/050200)
[87] (WO2015/027293)
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[25] EN
[54] **LOW ADJACENT CHANNEL INTERFERENCE MODE FOR A DIGITAL TELEVISION SYSTEM**
[54] **MODE A FAIBLE BROUILLAGE PAR LE CANAL ADJACENT POUR UN SYSTEME DE TELEVISION NUMERIQUE**
[72] STEWART, JOHN SIDNEY, US
[72] MUTERSPAUGH, MAX WARD, US
[73] INTERDIGITAL MADISON PATENT HOLDINGS, SAS, FR
[85] 2016-02-18
[86] 2014-08-11 (PCT/US2014/050477)
[87] (WO2015/026547)
[30] US (61/868,786) 2013-08-22
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[30] US (61/882,827) 2013-09-26
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[25] EN
[54] **FLOTATION MODULE FOR A MILITARY VEHICLE**
[54] **MODULE DE FLOTTABILITE POUR VEHICULE MILITAIRE**
[72] BACHMANN, HARALD, DE
[72] BAUS, RUDIGER, DE
[73] KRAUSS-MAFFEI WEGMANN GMBH & CO. KG, DE
[85] 2016-02-22
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[25] EN
[54] **UTENSIL WITH SCOOP AND FUNNEL FOR TRANSFERRING INGREDIENTS**
[54] **USTENSILE AYANT UNE PELLE ET UN ENTONNOIR POUR TRANSFERER DES INGREDIENTS**
[72] SCHUELKE, EVAN, US
[73] SCHUELKE, EVAN, US
[85] 2016-03-07
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[25] EN
[54] **MEMBRANE FILTER AND FILTERING METHOD**
[54] **FILTRE A MEMBRANE ET PROCEDE DE FILTRATION**
[72] VOLMERING, DIRK, DE
[72] VOSSENKAUL, KLAUS, DE
[73] MEMBION GMBH, DE
[85] 2016-03-10
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[25] EN
[54] **DRILL ROD FOR PERCUSSION DRILL TOOL**
[54] **TIGE DE FORAGE POUR OUTIL DE FORAGE A PERCUSSION**
[72] PURCELL, JOSEPH, IE
[72] KOSOVICH, JOHN, IE
[72] WANG, TONY, IE
[73] MINCON INTERNATIONAL LTD., IE
[85] 2016-03-14
[86] 2014-09-19 (PCT/EP2014/070059)
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[51] **Int.Cl. G09B 19/00 (2006.01) A62C 99/00 (2010.01) G09B 9/00 (2006.01)**
[25] EN
[54] **FLAME SIMULATOR WITH WEIGHTED BASE**
[54] **SIMULATEUR DE FLAMME A BASE LESTEE**
[72] BLACKBURN, JOHN JOSEPH, US
[72] LADD, EVAN ANDREW, US
[72] VAETH, CARY JOHN, US
[73] LION GROUP, INC., US
[85] 2016-03-14
[86] 2014-09-16 (PCT/US2014/055851)
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[30] US (61/878,315) 2013-09-16

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[51] **Int.Cl. E04H 9/02 (2006.01) E04B 1/98 (2006.01) E04G 25/00 (2006.01)**
[25] EN
[54] **BUCKLING-RESTRAINED BRACED ASSEMBLY**
[54] **DISPOSITIF FIXE A LIMITATION DE GONDOLEMENT**
[72] MARINOVIC, IGOR, US
[72] HYDER, CLIFTON D., US
[73] BLUESCOPE BUILDINGS NORTH AMERICA, INC., US
[86] (2924587)
[87] (2924587)
[22] 2016-03-22
[30] US (14/667,181) 2015-03-24

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[25] EN
[54] **SLOW-RELEASE CONJUGATES OF SN-38**
[54] **CONJUGUES DE SN-38 A LIBERATION LENTE**
[72] ASHLEY, GARY, US
[72] SCHNEIDER, ERIC L., US
[73] PROLYNX LLC, US
[85] 2016-03-22
[86] 2014-10-03 (PCT/US2014/059146)
[87] (WO2015/051307)
[30] US (61/887,111) 2013-10-04

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[25] EN
[54] **STEREOREGULAR DIBLOCK POLYBUTADIENES HAVING A 1,4-CIS/SYNDIOTACTIC 1,2 STRUCTURE FROM STEREOSPECIFIC POLYMERIZATION**
[54] **POLYBUTADIENES DIBLOCS STEREO-REGULIERS COMPRENANT UNE STRUCTURE 1,4-CIS/ UNE STRUCTURE 1,2 SYNDIOTACTIQUE OBTENUE PAR POLYMERISATION STEREOSPECIFIQUE**
[72] RICCI, GIOVANNI, IT
[72] LEONE, GIUSEPPE, IT
[72] SOMMAZZI, ANNA, IT
[72] MASI, FRANCESCO, IT
[72] PIRINI, MARIA FRANCESCA, IT
[73] VERSALIS S.P.A., IT
[85] 2016-03-23
[86] 2014-11-03 (PCT/IB2014/065764)
[87] (WO2015/068094)
[30] IT (MI2013A001828) 2013-11-05

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[51] **Int.Cl. C22B 7/00 (2006.01) C22B 3/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SELECTIVE RECOVERY OF LEAD AND SILVER**
[54] **PROCEDE DE RECUPERATION SELECTIVE DE PLOMB ET D'ARGENT**
[72] ALVAREZ CARRENO, CARLOS, ES
[72] PINEDO GONZALEZ, MAITE, ES
[72] PECHARROMAN MERCADO, EMILIO, ES
[72] OCANA GARCIA, NURIA, ES
[72] FRADES TAPIA, MARIA, ES
[73] TECNICAS REUNIDAS, S.A., ES
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[25] EN
[54] **VARNISHES AND PREPREGS AND LAMINATES MADE THEREFROM**
[54] **VERNIS ET PREIMPREGNES ET STRATIFIES FABRIQUES A PARTIR DE CEUX-CI**
[72] HE, GUROEN, US
[72] AMLA, TARUN, US
[73] ISOLA USA CORP., US
[85] 2016-03-23
[86] 2014-10-10 (PCT/US2014/060126)
[87] (WO2015/054626)
[30] US (61/889,837) 2013-10-11

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[51] **Int.Cl. A61M 5/315 (2006.01) H04W 84/00 (2009.01) A61M 5/20 (2006.01)**
[25] EN
[54] **SYSTEM FOR ADMINISTERING A MEDICAMENT**
[54] **SYSTEME D'ADMINISTRATION D'UN MEDICAMENT**
[72] MENSINGER, MICHAEL ROBERT, US
[72] SAINT, SEAN, US
[73] COMPANION MEDICAL, INC., US
[85] 2016-03-24
[86] 2014-09-18 (PCT/US2014/056336)
[87] (WO2015/047870)
[30] US (61/883,163) 2013-09-26

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[51] **Int.Cl. G06Q 50/14 (2012.01)**
[25] EN
[54] **SELECTING SEARCH RESULTS FOR RESPONDING TO SEARCH QUERY**
[54] **SELECTION DE RESULTATS DE RECHERCHE EN VUE DE REPONDRE A UNE DEMANDE DE RECHERCHE**
[72] CANIS, LAURE, FR
[72] ZMERLI, FETEN, FR
[73] AMADEUS S.A.S., FR
[86] (2925679)
[87] (2925679)
[22] 2016-03-31
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[51] **Int.Cl. B65D 85/804 (2006.01)**
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[54] **CAPSULE FOR BEVERAGES**
[54] **CAPSULE POUR BOISSONS**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[72] GRILLENZONI, ALESSANDRO, IT
[72] TRALDI, FLAVIO, IT
[73] SARONG SOCIETA' PER AZIONI, IT
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[86] 2014-10-16 (PCT/IB2014/065358)
[87] (WO2015/056202)
[30] IT (MO2013A000297) 2013-10-17

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[25] EN
[54] **SILK PROTEIN FRAGMENT COMPOSITIONS AND ARTICLES MANUFACTURED THEREFROM**
[54] **COMPOSITIONS A BASE DE FRAGMENTS DE PROTEINES DE SOIE ET ARTICLES MANUFACTURES A PARTIR DE CELLES-CI**
[72] ALTMAN, GREGORY H., US
[72] HORAN, REBECCA L., US
[72] DOW, RACHEL LEE, US
[72] LIND, RACHEL M., US
[72] HAAS, DYLAN S., US
[73] EVOLVED BY NATURE, INC., US
[85] 2016-03-29
[86] 2014-09-30 (PCT/US2014/058462)
[87] (WO2015/048805)
[30] US (61/884,820) 2013-09-30
[30] US (62/000,928) 2014-05-20
[30] US (62/036,450) 2014-08-12
[30] US (14/503,021) 2014-09-30
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[51] **Int.Cl. A47C 7/74 (2006.01)**
[25] EN
[54] **HEATED COVER FOR AN ARTICLE OF FURNITURE**
[54] **DISPOSITIF COUVRANT CHAUFFE POUR UN MEUBLE**
[72] SMITH, REANNA GAYLE, US
[72] SMITH, KYLE MATTHEW, US
[73] SMITH, REANNA GAYLE, US
[73] SMITH, KYLE MATTHEW, US
[85] 2016-04-01
[86] 2014-10-02 (PCT/US2014/058892)
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[30] US (14/044,408) 2013-10-02

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[51] **Int.Cl. B01J 37/20 (2006.01) B01J 23/883 (2006.01) B01J 27/19 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) C10G 45/08 (2006.01) B01J 31/04 (2006.01) B01J 35/00 (2006.01) B01J 35/10 (2006.01) B01J 37/28 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A HYDROTREATING CATALYST**
[54] **PROCEDE PERMETTANT DE PREPARER UN CATALYSEUR D'HYDROTRAITEMENT**
[72] WINTER, FERRY, NL
[72] VAN WELSENES, JAN AREND, NL
[72] RIGUTTO, MARCELLO STEFANO, NL
[72] GILTAY, PATRICIA JOHANNA ANNE MARIA, NL
[72] VAN VLAANDEREN, JOHANNES JACOBUS MARIA, NL
[72] AZGHAY, ALI, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-04-07
[86] 2014-11-04 (PCT/EP2014/073637)
[87] (WO2015/067583)
[30] EP (13191902.9) 2013-11-07

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[25] EN
[54] **THREE-DIMENSIONAL VIRTUAL ENVIRONMENT**
[54] **ENVIRONNEMENT VIRTUEL TRIDIMENSIONNEL**
[72] ROGERS, JOSEPH D., US
[72] ROGERS, MARC E., US
[73] ROAM HOLDINGS, LLC, US
[85] 2016-04-13
[86] 2013-10-23 (PCT/US2013/066465)
[87] (WO2014/066558)
[30] US (61/717,457) 2012-10-23

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[51] **Int.Cl. A23J 1/20 (2006.01) A23C 9/13 (2006.01) A23C 21/06 (2006.01)**
[25] EN
[54] **CMP-CONTAINING, HIGH PROTEIN DENATURED WHEY PROTEIN COMPOSITIONS, PRODUCTS CONTAINING THEM, AND USES THEREOF**
[54] **COMPOSITIONS DE PROTEINES DE LACTOSERUM DENATUREES RICHES EN PROTEINES CONTENANT DU CASEINOMACROPEPTIDE (CMP), PRODUITS LES CONTENANT ET UTILISATIONS ASSOCIEES**
[72] MIKKELSEN, BENTE OSTERGAARD, DK
[72] BERTELSEN, HANS, DK
[72] FIHL, THEA, DK
[72] JENSEN, TORBEN, DK
[72] PEDERSEN, HENRIK, DK
[72] HANSEN, ULRIK TOFT, DK
[73] ARLA FOODS AMBA, DK
[85] 2016-04-15
[86] 2014-10-23 (PCT/EP2014/072788)
[87] (WO2015/059243)
[30] DK (PA 2013 70614) 2013-10-23

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[51] **Int.Cl. G02B 27/01 (2006.01) G02C 5/04 (2006.01)**
[25] EN
[54] **VIRTUAL OR AUGMENTED REALITY HEADSETS HAVING ADJUSTABLE INTERPUPILLARY DISTANCE**
[54] **CASQUES DE REALITE VIRTUELLE OU AUGMENTEE AYANT UNE DISTANCE INTERPUPILLAIRE REGLABLE**
[72] KAJI, MASAMUNE, US
[72] SLIPY, MICHAEL JOHN, US
[72] NATSUME, SHIGERU, US
[73] MAGIC LEAP, INC., US
[85] 2016-04-15
[86] 2014-10-16 (PCT/US2014/060955)
[87] (WO2015/057994)
[30] US (61/891,801) 2013-10-16

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[25] EN
[54] **HERBICIDAL COMPOSITIONS CONTAINING N-(1,3,4-OXADIAZOL-2-YL)-ARYL CARBOXYLIC ACID AMIDES**
[54] **COMPOSITIONS HERBICIDES CONTENANT DES N-(1,3,4-OXADIAZOL-2-YL)ARYLCARBOXAMIDES**
[72] KOHN, ARNIM, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] GATZWEILER, ELMAR, DE
[72] TRABOLD, KLAUS, DE
[72] MENNE, HUBERT, DE
[72] AHRENS, HARTMUT, DE
[72] DORNER-RIEPING, SIMON, DE
[72] BRAUN, RALF, DE
[72] HEINEMANN, INES, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2016-03-22
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[25] EN
[54] **MONITORING OF STEAM INJECTION**
[54] **CONTROLE DE L'INJECTION DE VAPEUR**
[72] MCEWEN-KING, MAGNUS, GB
[72] HILL, DAVID, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2016-04-21
[86] 2014-11-04 (PCT/GB2014/053273)
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[25] EN
[54] **LASER RANGEFINDER WITH IMPROVED DISPLAY**
[54] **TELEMETRE A LASER A AFFICHAGE AMELIORE**
[72] HAMILTON, DAVID M., US
[73] SHELTERED WINGS, INC., US
[85] 2016-02-22
[86] 2014-08-21 (PCT/US2014/052161)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR OPHTHALMIC AND/OR OTHER APPLICATIONS**
[54] **COMPOSITIONS ET PROCEDES POUR APPLICATIONS OPHTALMIQUES ET/OU AUTRES APPLICATIONS**
[72] POPOV, ALEXEY, US
[72] ENLOW, ELIZABETH M., US
[72] CHEN, HONGMING, US
[72] BOURASSA, JAMES, US
[73] KALA PHARMACEUTICALS, INC., US
[85] 2016-04-27
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[51] **Int.Cl. C11D 1/86 (2006.01) C11D 3/10 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **HIGH ALKALINE WAREWASH DETERGENT WITH ENHANCED SCALE CONTROL AND SOIL DISPERSION**
[54] **DETERGENT DE LAVAGE FORTEMENT ALCALIN OFFRANT UN MEILLEUR CONTROLE DU TARTRE ET UNE MEILLEURE DISPERSION DES SALISSURES**
[72] DOTZAUER, DAVID, US
[72] MEIER, TIMOTHY, US
[72] SILVERNAIL, CARTER M., US
[72] MANSERGH, JOHN, US
[73] ECOLAB USA INC., US
[85] 2016-05-03
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[51] **Int.Cl. A61K 33/24 (2019.01) A61K 9/14 (2006.01) A61P 3/12 (2006.01)**
[25] EN
[54] **MICROPOROUS ZIRCONIUM SILICATE FOR THE TREATMENT OF HYPERKALEMIA**
[54] **SILICATE DE ZIRCONIUM MICROPOREUX POUR LE TRAITEMENT DE L'HYPERKALIEMIE**
[72] KEYSER, DONALD JEFFREY, US
[72] GUILLEM, ALVARO F., US
[73] ZS PHARMA, INC., US
[85] 2016-05-06
[86] 2014-11-07 (PCT/US2014/064548)
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[54] **APPARATUS AND METHOD FOR DISCONNECTING MALE AND FEMALE CONNECTORS**
[54] **APPAREIL ET PROCEDE DE DECONNEXION DE RACCORDS MALE ET FEMELLE**
[72] PRESTON, SCOTT, GB
[72] TEIXEIRA, MARCO, GB
[72] JACKSON, JONATHAN, GB
[73] BALLTEC LIMITED, GB
[85] 2016-05-18
[86] 2014-12-04 (PCT/GB2014/053612)
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[30] GB (1321416.8) 2013-12-04

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[25] EN
[54] **IMIDAZOPYRIDINE DERIVATIVES AS MODULATORS OF TNF ACTIVITY**
[54] **DERIVES D'IMIDAZOPYRIDINE COMME MODULATEURS DE L'ACTIVITE DU TNF**
[72] DELIGNY, MICHAEL LOUIS ROBERT, BE
[72] HEER, JAG PAUL, BE
[72] JACKSON, VICTORIA ELIZABETH, GB
[72] KROEPLIEN, BORIS, GB
[72] LECOMTE, FABIEN CLAUDE, GB
[72] PORTER, JOHN ROBERT, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2016-05-25
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[51] **Int.Cl. E21B 10/32 (2006.01) E21B 23/04 (2006.01)**
[25] EN
[54] **MULTI CYCLE DOWNHOLE TOOL**
[54] **OUTIL DE FOND DE TROU A PLUSIEURS CYCLES**
[72] ADAM, MARK, US
[73] NOV DOWNHOLE EURASIA LIMITED, GB
[85] 2016-05-27
[86] 2014-11-27 (PCT/GB2014/053509)
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[54] **ADMINISTRATION AND MONITORING OF NITRIC OXIDE IN EX VIVO FLUIDS**
[54] **ADMINISTRATION ET SUIVI DU MONOXYDE D'AZOTE DANS LES FLUIDESEX VIVO**
[72] POTENZIANO, JIM, US
[72] HANSELL, DOUGLAS R., US
[72] GRIEBEL, JEFF, US
[72] COSTA, EDDIE, US
[72] COOPER, LISA, US
[73] MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2016-05-27
[86] 2014-12-01 (PCT/US2014/067856)
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[25] EN
[54] **MACHINE FOR SMOOTHING AND/OR POLISHING SLABS OF STONE MATERIAL, SUCH AS NATURAL OR AGGLOMERATED STONE, CERAMIC AND GLASS**
[54] **MACHINE POUR LISSER ET/OU POLIR DES DALLES DE MATERIAU EN PIERRE, TEL QUE DE LA PIERRE NATURELLE OU AGGLOMEREE, DE LA CERAMIQUE ET DU VERRE**
[72] TONCELLI, LUCA, IT
[73] TONCELLI, LUCA, IT
[85] 2016-06-02
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[87] (WO2015/087294)
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[54] **DOOR ASSEMBLY**
[54] **DISPOSITIF DE PORTE**
[72] MACDONALD, KEVIN T., US
[73] ENDURA PRODUCTS, LLC, US
[86] (2932629)
[87] (2932629)
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[30] US (62/175,808) 2015-06-15
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[25] EN
[54] **DOUBLE-SIDED INDEXABLE CUTTING INSERT AND CUTTING TOOL THEREFOR**
[54] **ELEMENT RAPPORTE DE COUPE INDEXABLE DOUBLE FACE ET OUTIL DE COUPE POUR CELUI-CI**
[72] KOIFMAN, ALEXANDER, IL
[72] BRONSHTEYN, ALEXANDER, IL
[72] PASSOV, ALEXANDER, IL
[72] KUNITSA, YANINA, IL
[73] ISCAR LTD., IL
[85] 2016-06-07
[86] 2014-12-15 (PCT/IL2014/051093)
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[30] US (14/151,629) 2014-01-09

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[25] EN
[54] **NOVEL CARBOXAMIDES, METHOD FOR THE PRODUCTION THEREOF, PHARMACEUTICAL PREPARATIONS COMPRISING THEM, AND USE THEREOF FOR PRODUCING MEDICAMENTS**
[54] **NOUVEAUX INDAZOLCARBOXAMIDES, LEUR PROCEDE DE FABRICATION, PREPARATIONS PHARMACEUTIQUES QUI LES CONTIENNENT ET LEUR UTILISATION POUR LA PREPARATION DE MEDICAMENTS**
[72] BOTHE, ULRICH, DE
[72] SIEBENEICHER, HOLGER, DE
[72] SCHMIDT, NICOLE, US
[72] ROTGERI, ANDREA, DE
[72] BOMER, ULF, DE
[72] RING, SVEN, DE
[72] IRLBACHER, HORST, DE
[72] GUNTHER, JUDITH, DE
[72] STEUBER, HOLGER, DE
[72] LANGE, MARTIN, DE
[72] SCHAFER, MARTINA, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[30] EP (13198463.5) 2013-12-19
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[13] C
[51] **Int.Cl. C08B 15/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING HYDROXYPROPYL METHYLCELLULOSE ACETATE SUCCINATE (HPMCAS) GRAINS HAVING CONTROLLED GRAIN SIZE DISTRIBUTION, AND HPMCAS POWDER**
[54] **PROCEDE DE PREPARATION DE GRAINS D'ACETOSUCCINATE D'HYDROXYPROPYLMETHYLCELLULOSE (HPMCAS) AYANT UNE DISTRIBUTION GRANULOMETRIQUE CONTROLEE, ET POUDRE DE HPMCAS**
[72] BANG, SUNG HWAN, KR
[72] SHIN, JU HEE, KR
[72] SON, JIN RYUL, KR
[72] PARK, KYUNG YEOL, KR
[72] CHUN, JEONG HEE, KR
[72] JEONG, JI SEON, KR
[72] LEE, SANG YOUB, KR
[73] LOTTE FINE CHEMICAL CO., LTD., KR
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[87] (WO2015/102265)
[30] KR (10-2013-0169404) 2013-12-31
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[51] **Int.Cl. F25B 21/00 (2006.01)**
[25] FR
[54] **MAGNETOCALORIC THERMAL GENERATOR AND METHOD OF COOLING SAME**
[54] **GENERATEUR THERMIQUE MAGNETOCALORIQUE ET SON PROCEDE DE REFROIDISSEMENT**
[72] MULLER, CHRISTIAN, FR
[73] FRANCE BREVETS, FR
[85] 2016-06-17
[86] 2014-12-22 (PCT/FR2014/053518)
[87] (WO2015/097401)
[30] FR (1363661) 2013-12-27

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[51] **Int.Cl. B67D 1/12 (2006.01) A47J 31/44 (2006.01) A47J 31/52 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR BEVERAGE CARAFE DETECTION**
[54] **PROCEDE ET APPAREIL POUR LA DETECTION DE CARAFE DE BOISSON**
[72] TINKLER, IAN, US
[72] SHEPARD, JAMES E., US
[72] HURLEY, GREGORY, US
[72] JOHNSEN, MATTHEW, US
[73] KEURIG GREEN MOUNTAIN, INC., US
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[86] 2015-01-15 (PCT/US2015/011524)
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[51] **Int.Cl. E04B 1/348 (2006.01) E03C 1/01 (2006.01) E04F 17/00 (2006.01)**
[25] EN
[54] **BUILDING CONCEPT, VERTICAL DUCT ELEMENT AND METHOD FOR ARRANGING SPACES IN A FLEXIBLE MANNER WITHIN THE BUILDING**
[54] **CONCEPT DE CONSTRUCTION, ELEMENT CONDUIT VERTICAL ET PROCEDE PERMETTANT D'AGENCER LES ESPACES DE MANIERE FLEXIBLE DANS UN BATIMENT**
[72] KROKFORS, KARIN, FI
[72] WESTERLUND, ANDERS, FI
[72] HOLM, JORGEN, FI
[72] KORTEMAA, ARI, FI
[73] ARKKITEHTITOIMISTO KARIN KROKFORS OY, FI
[85] 2016-06-23
[86] 2014-12-30 (PCT/FI2014/051060)
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[51] **Int.Cl. B65D 55/06 (2006.01) F16K 35/00 (2006.01)**
[25] EN
[54] **TEMPER-EVIDENT DEVICE AND VALVE USING SAME**
[54] **DISPOSITIF DE PREUVE D'EFFRACTION ET VANNE L'UTILISANT**
[72] FANG, ZHENGWEI, CN
[73] SHANGHAI HONGYAN RETURNABLE TRANSIT PACKAGINGS CO., LTD., CN
[85] 2016-06-27
[86] 2014-12-26 (PCT/CN2014/095154)
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[51] **Int.Cl. A61K 9/70 (2006.01)**
[25] EN
[54] **PROCESS FOR FORMING A MULTI LAYERED SHAPED FILM**
[54] **PROCEDE DE FORMATION D'UN FILM FACONNE MULTICOUCHE**
[72] BINNER, CURT, US
[72] PELLEY, KENNETH A., US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2016-06-27
[86] 2014-12-23 (PCT/US2014/072101)
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[25] EN
[54] **ABRASIVE PARTICLE, MANUFACTURING METHOD OF THE SAME, POLISHING METHOD, POLISHING DEVICE, AND SLURRY**
[54] **PARTICULE ABRASIVE, METHODE DE FABRICATION DE LADITE PARTICULE, METHODE DE POLISSAGE, APPAREIL DE POLISSAGE ET BOUE**
[72] FUJIMOTO, SHUNICHI, JP
[72] YAMASHITA, TETSUJI, JP
[73] ASAHI KASEI KOGYO CO., LTD., JP
[85] 2016-07-11
[86] 2015-01-19 (PCT/JP2015/051175)
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[30] JP (2014-021392) 2014-02-06
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[25] EN
[54] **POLYETHYLENE AND ARTICLES PRODUCED THEREFROM**
[54] **POLYETHYLENE ET ARTICLES A BASE DE CELUI-CI**
[72] LELAND, MARK, US
[72] TURNER, DAVID, US
[72] CORTES, LEONARDO, US
[72] MILLER, MARK, US
[72] CURTIS, RUBY, US
[73] FINA TECHNOLOGY, INC., US
[85] 2016-07-12
[86] 2015-01-30 (PCT/US2015/013662)
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[51] **Int.Cl. A47C 21/04 (2006.01) A61G 7/057 (2006.01)**
[25] EN
[54] **AMBIENT BED HAVING A HEAT RECLAIM SYSTEM**
[54] **LIT AMBIANT AYANT UN SYSTEME DE RECUPERATION DE CHALEUR**
[72] ALLETTO, EUGENE, JR., US
[72] RAD, VANDAD BARZIN, US
[73] BEDGEAR, LLC, US
[85] 2016-07-12
[86] 2015-01-13 (PCT/US2015/011179)
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[30] US (61/926,526) 2014-01-13
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[13] C
[51] **Int.Cl. F17C 13/02 (2006.01)**
[25] EN
[54] **PRESSURIZED FLUID CYLINDER COMPRISING AN ELECTRONIC DATA-DISPLAY DEVICE**
[54] **BOUTEILLE DE FLUIDE SOUS PRESSION COMPRENANT UN DISPOSITIF ELECTRONIQUE D'INDICATION DE DONNEES**
[72] CARRON, AMELIE, FR
[72] LOPEZ, BEATRIZ, FR
[72] REZEL, CHRISTOPHE ROLAND, FR
[72] RUDNIANYN, PHILIPPE, FR
[72] VIVIER, CATHERINE, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2016-07-15
[86] 2014-12-19 (PCT/FR2014/053460)
[87] (WO2015/110724)
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[51] **Int.Cl. C10M 145/14 (2006.01) C08L 33/08 (2006.01) C08L 33/10 (2006.01)**
[25] EN
[54] **A COMPOSITION, FOR USE AS A LUBRICATING OIL ADDITIVE, COMPRISING TWO ALKYL (METH)ACRYLATE COPOLYMERS**
[54] **COMPOSITION A UTILISER COMME ADDITIF D'HUILE DE LUBRIFICATION COMPRENANTDEUX COPOLYMERES METHACRYLATE D'ALKYLE**
[72] SOUCHIK, JOAN, US
[72] FLANAGAN, AILEEN T., US
[72] HUTCHINSON, PHILIP ANDREW, GB
[72] WANG, JEN-LUNG, US
[72] TSAY, SHANG-JIH, US
[73] EVONIK OPERATIONS GMBH, DE
[85] 2016-07-19
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[30] US (61/929,534) 2014-01-21
[30] EP (14153359.6) 2014-01-31

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[13] C
[51] **Int.Cl. G01N 21/87 (2006.01)**
[25] EN
[54] **METHOD OF SPECTROSCOPIC ANALYSIS OF A DIAMOND AND APPARATUS THEREOF**
[54] **PROCEDE D'ANALYSE SPECTROSCOPIQUE D'UN DIAMANT ET SON APPAREIL**
[72] PALEARI, ALBERTO MARIA FELICE, IT
[72] LORENZI, ROBERTO, IT
[72] ZULLINO, ANDREA, IT
[73] UNIVERSITA DEGLI STUDI DI MILANO-BICOCCA, IT
[85] 2016-07-22
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[25] EN
[54] **SMART CONDUCTOR/CONNECTOR SELECTING DIE**
[54] **MATRICE DE SELECTION DE CONDUCTEUR/CONNECTEUR INTELLIGENTE**
[72] RZASA, MICHAEL PAUL, US
[72] BECK, ALAN DOUGLAS, US
[72] MARTIN, EVAN, US
[72] WASON, PETER, US
[72] OWENS, DANIEL, US
[73] HUBBELL INCORPORATED, US
[85] 2016-08-05
[86] 2015-02-18 (PCT/US2015/016374)
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[51] **Int.Cl. B65D 88/74 (2006.01) A61G 21/00 (2006.01) B65D 90/02 (2019.01)**
[25] EN
[54] **TEMPORARY MORGUE SYSTEM**
[54] **SYSTEME DE MORGUE TEMPORAIRE**
[72] KIEZ, CHRIS T., CA
[73] KIEZ, CHRIS T., CA
[86] (2939223)
[87] (2939223)
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[51] **Int.Cl. C07D 307/33 (2006.01)**
[25] EN
[54] **GAMMA-BUTYROLACTONE COMPOSITION AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION DE GAMMA-BUTYROLACTONE ET METHODE DE PRODUCTION DE LADITE COMPOSITION**
[72] TANIGUCHI, SHOHEI, JP
[72] IZAWA, YUSUKE, JP
[72] UTSUNOMIYA, MASARU, JP
[73] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2016-08-16
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[25] EN
[54] **METHOD FOR DETECTING A SOLID TUMOR CANCER**
[54] **PROCEDE DE DETECTION DE CANCER A TUMEUR SOLIDE**
[72] GRONBERG, HENRIK, SE
[73] PHADIA AB, SE
[85] 2016-08-22
[86] 2015-03-11 (PCT/SE2015/050272)
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[25] EN
[54] **PELLETED ACETYLENE BLACK**
[54] **NOIR D'ACETYLENE GRANULE**
[72] DIEHL, FLORIAN, DE
[72] NIEDERMEIER, WERNER, DE
[72] TEIKE, SILKE, DE
[72] KRIESCH, HELMUT, DE
[73] ORION ENGINEERED CARBONS GMBH, DE
[85] 2016-08-26
[86] 2015-02-23 (PCT/EP2015/053701)
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[25] EN
[54] **CONCRETE ANCHOR DRIVER TOOL**
[54] **OUTIL DE POSE DE MASSIF D'ANCRAGE EN BETON**
[72] LANGDON, ROBERT S., JR., US
[73] LANGDON, ROBERT S., JR., US
[85] 2016-09-07
[86] 2015-03-05 (PCT/US2015/018860)
[87] (WO2015/138204)
[30] US (61/952,398) 2014-03-13
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[25] EN
[54] **METHOD AND LOADING UNIT FOR ENERGY ABSORPTION OF LOADS ACTING IN AN OVERLOAD EVENT**
[54] **PROCEDE ET UNITE DE CHARGEMENT DESTINES A L'AMORTISSEMENT DE CONTRAINTES EXERCEES EN CAS DE SURCHARGE**
[72] BATTLOGG, STEFAN, AT
[72] MAYER, MARKUS, AT
[73] GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-MOWAG GMBH, CH
[85] 2016-09-12
[86] 2015-03-13 (PCT/EP2015/055375)
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[25] EN
[54] **SHAVING RAZOR INTERCONNECTION MECHANISM AND METHOD OF MAKING SIMPLIFIED INTERCONNECTION**
[54] **MECANISME D'INTERCONNEXION DE RASOIR DE RASAGE ET PROCEDE DE REALISATION D'UNE INTERCONNEXION SIMPLIFIEE**
[72] CORESH, ALON LEON, US
[73] ROLLING RAZOR, INC., US
[85] 2016-09-15
[86] 2015-03-04 (PCT/US2015/018823)
[87] (WO2015/142526)
[30] US (14/221,086) 2014-03-20

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[51] **Int.Cl. E21B 19/10 (2006.01) E21B 7/00 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **FLUSH MOUNTED SPIDER ASSEMBLY**
[54] **ENSEMBLE A CROISILLONS MONTE A AFFLEUREMENT**
[72] MULLINS, ALBERT AUGUSTUS, US
[72] HICKL, MATTHEW J., US
[73] MCCOY GLOBAL INC., CA
[85] 2016-09-15
[86] 2015-03-24 (PCT/US2015/022269)
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[54] **VALVE FOR LIQUID RESERVOIR OF FOG GENERATOR**
[54] **VANNE POUR RESERVOIR DE LIQUIDE D'UN GENERATEUR DE BROUILLARD**
[72] VANDONINCK, ALFONS, BE
[73] BANDIT NV, BE
[85] 2016-09-19
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[87] (WO2015/140762)
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[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**
[25] EN
[54] **ANDROGYNOUS COUPLING DEVICE FOR CONNECTING MODULES, AND CORRESPONDING MODULES**
[54] **MOYEN D'ACCOUPLEMENT ANDROGYNE SERVANT A RELIER DES MODULES ET MODULES CORRESPONDANTS**
[72] LAKSHMANAN, MARTIN ANAND, DE
[72] ADOMEIT, MARC ANDRE, DE
[72] SEEFELDT, PATRIC, DE
[72] REIMER, VIKTOR, DE
[73] RHEINISCH-WESTFALISCHE TECHNISCHE HOCHSCHULE (RWTH) AACHEN, DE
[85] 2016-09-29
[86] 2015-03-30 (PCT/EP2015/056923)
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[51] **Int.Cl. F21S 8/00 (2006.01)**
[25] EN
[54] **MODULAR LIGHT FIXTURES**
[54] **LUMINAIRES MODULAIRES**
[72] DECARR, GRAIG, US
[72] ALDRICH, ALVAH, US
[72] SKELLHAM, JONATHAN JAY, US
[72] GANGOOR, NATESHA SANJEEVE GOWDA, IN
[72] VENUGOPAL, PRADEEP BANGALORE, IN
[72] SHET, VINOD MANOHAR, IN
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-10-20
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[25] EN
[54] **INDUCTION HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE PAR INDUCTION**
[72] BEISTLE, EDWARD G., US
[72] MLNARIK, KEVIN JOHN, US
[72] VERHAGEN, PAUL DAVID, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-11-08
[86] 2015-02-19 (PCT/US2015/016510)
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[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01) A61N 1/08 (2006.01)**
[25] EN
[54] **DEVICES FOR CONTROLLING HIGH FREQUENCY SPINAL CORD MODULATION FOR INHIBITING PAIN, AND ASSOCIATED SYSTEMS AND METHODS, INCLUDING SIMPLIFIED CONTROLLERS**
[54] **DISPOSITIFS DE COMMANDE D'UNE MODULATION DE MOELLE EPINIERE A HAUTE FREQUENCE POUR INHIBER UNE DOULEUR, ET SYSTEMES ET PROCEDES ASSOCIES, COMPRENANT DES DISPOSITIFS DE COMMANDE SI MPLIFIES**
[72] ALATARIS, KONSTANTINOS, US
[72] WALKER, ANDRE B., US
[72] PARKER, JON, US
[72] THACKER, JAMES R., US
[73] NEVRO CORPORATION, US
[86] (2948874)
[87] (2948874)
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[25] EN
[54] **WATER SKIMMING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ECUMAGE D'EAU**
[72] MCCUTCHEN, JAMES, US
[73] SW FEESAVER, LLC, US
[85] 2016-11-14
[86] 2014-05-16 (PCT/US2014/038453)
[87] (WO2014/186743)
[30] US (61/824,578) 2013-05-17

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[13] C
[51] **Int.Cl. B29C 45/26 (2006.01) B29C 33/12 (2006.01)**
[25] EN
[54] **A MOULD TOOL FOR INJECTION MOULDING**
[54] **OUTIL DE TYPE MOULE POUR LE MOULAGE PAR INJECTION**
[72] LAMBÆK, JENS STAMP, DK
[73] LEGO A/S, DK
[85] 2016-11-17
[86] 2015-05-28 (PCT/DK2015/050136)
[87] (WO2015/180733)
[30] DK (PA 2014 70307) 2014-05-28

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[25] EN
[54] **METHYLATED MARKERS FOR COLORECTAL CANCER**
[54] **MARQUEURS METHYLES POUR LE CANCER COLORECTAL**
[72] DONAHUE, AMBER C., US
[72] PENG, YEN-LIN, US
[72] PEDERSEN, SUSANNE, AU
[72] LAPOINTE, LAWRENCE, US
[72] BAKER, ROHAN, AU
[72] WALDMAN, FREDERIC, US
[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
[73] CLINICAL GENOMICS PTY LTD, AU
[85] 2016-12-02
[86] 2015-06-03 (PCT/US2015/033968)
[87] (WO2015/187823)
[30] US (62/007,687) 2014-06-04

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[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **A HYDROGEN-REDOX FLOW BATTERY ASSEMBLY**
[54] **ENSEMBLE BATTERIE A FLUX REDOX D'HYDROGENE**
[72] KOUT, WIEBRAND, NL
[73] ELESTOR BV, NL
[85] 2017-01-04
[86] 2015-07-02 (PCT/EP2015/065164)
[87] (WO2016/001392)
[30] EP (14175827.6) 2014-07-04

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[13] C
[51] **Int.Cl. F03D 1/00 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **MODULAR SYSTEM FOR TRANSPORTING WIND TURBINE BLADES**
[54] **SYSTEME MODULAIRE POUR LE TRANSPORT DE PALES D'EOLIENNE**
[72] VAN DER ZEE, JACOBUS J., DK
[73] LM WP PATENT HOLDING A/S, DK
[85] 2017-01-10
[86] 2014-07-17 (PCT/EP2014/065405)
[87] (WO2016/008530)

[11] **2,955,367**
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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6869 (2018.01) C40B 40/06 (2006.01) C40B 50/06 (2006.01)**
[25] EN
[54] **NON-INVASIVE PRENATAL DIAGNOSIS OF FETAL GENETIC CONDITION USING CELLULAR DNA AND CELL FREE DNA**
[54] **DIAGNOSTIC PRENATAL NON INVASIF D'AFFECTION GENETIQUE F□TALE A L'AIDE D'ADN CELLULAIRE ET D'ADN ACELLULAIRE**
[72] SRINIVASAN, ANUPAMA, US
[72] CHUDOVA, DARYA I., US
[72] RAVA, RICHARD P., US
[73] ILLUMINA, INC., US
[85] 2017-01-16
[86] 2015-07-17 (PCT/US2015/041008)
[87] (WO2016/011414)
[30] US (62/026,548) 2014-07-18

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[25] EN
[54] **COMPOSITIONS FOR STABILIZING AND DELIVERING PROTEINS**
[54] **COMPOSITIONS DE STABILISATION ET D'ADMINISTRATION DE PROTEINES**
[72] FURTADO, STACIA, US
[72] EGILMEZ, NEJAT, US
[72] CONWAY, THOMAS, US
[72] MATHIOWITZ, EDITH, US
[73] BROWN UNIVERSITY, US
[73] THERAPYX, INC., US
[85] 2017-02-10
[86] 2015-08-14 (PCT/US2015/045402)
[87] (WO2016/025911)
[30] US (62/037,492) 2014-08-14

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[51] **Int.Cl. C08F 290/06 (2006.01) A61K 9/00 (2006.01) A61K 47/32 (2006.01) C08L 51/08 (2006.01)**
[25] EN
[54] **BIOMATERIAL WITH REDUCED INFLAMMATORY RESPONSE**
[54] **BIOMATERIAU A REACTION INFLAMMATOIRE REDUITE**
[72] SANTERRE, PAUL, CA
[72] BATTISTON, KYLE, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2017-02-13
[86] 2015-08-14 (PCT/CA2015/000461)
[87] (WO2016/023102)
[30] US (62/037,359) 2014-08-14

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[51] **Int.Cl. A21D 8/04 (2006.01) A21D 13/80 (2017.01) A21D 10/04 (2006.01) C12N 9/16 (2006.01) C12N 9/26 (2006.01)**
[25] EN
[54] **IMPROVED CAKE BATTERS**
[54] **PATES A GATEAU AMELIOREES**
[72] VAN HAESENDONCK, INGRID, BE
[72] OSTDAL, HENRIK, DK
[72] NGUYEN, FANNY, BE
[72] VAN DER BIEST, GOEDELE, BE
[73] PURATOS NV, BE
[85] 2017-03-01
[86] 2015-09-29 (PCT/EP2015/072381)
[87] (WO2016/050746)
[30] BE (2014/5000) 2014-09-29

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-MET ANTIBODIES AND COMPOSITIONS**
[54] **ANTICORPS ANTI-MET ET COMPOSITIONS ASSOCIEES**
[72] BOUQUIN, THOMAS, DK
[72] PEDERSEN, MIKKEL WANDAHL, DK
[72] JACOBSEN, HELLE JANE, DK
[72] POULSEN, THOMAS TUXEN, DK
[72] GRANDAL, MICHAEL MONRAD, DK
[72] KOEFOED, KLAUS, DK
[72] KRAGH, MICHAEL, DK
[72] ERIKSEN, KARSTEN WESSEL, DK
[72] CONROTTO, PAOLO, DK
[73] SYMPHOGEN A/S, DK
[85] 2017-03-14
[86] 2015-09-15 (PCT/IB2015/002110)
[87] (WO2016/042412)
[30] US (62/051,190) 2014-09-16

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[51] **Int.Cl. H04N 21/2668 (2011.01) H04N 21/254 (2011.01) H04N 21/258 (2011.01) A63F 13/30 (2014.01) A63F 13/52 (2014.01)**
[25] EN
[54] **USER INTERACTION ANALYSIS MODULE**
[54] **MODULE D'ANALYSE D'INTERACTIONS D'UTILISATEURS**
[72] FRAZZINI, MICHAEL ANTHONY, US
[72] DAVIS, COLLIN CHARLES, US
[72] HEINZ, GERARD JOSEPH, II, US
[72] PESCE, MICHAEL SCHLEIF, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2017-03-27
[86] 2015-09-29 (PCT/US2015/052965)
[87] (WO2016/054054)
[30] US (14/500,451) 2014-09-29

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[13] C
[51] **Int.Cl. G21G 1/00 (2006.01)**
[25] FR
[54] **RADIOISOTOPE GENERATOR HAVING A STATIONARY PHASE COMPRISING TITANIUM OXIDE**
[54] **GENERATEUR DE RADIO-ISOTOPES A PHASE STATIONNAIRE COMPRENANT DE L'OXYDE DE TITANE**
[72] PARIS, JEROME, BE
[72] DIERICKX, THIERRY, BE
[72] VANWOLLEGHEM, PHILIPPE, BE
[72] HOST, VALERY, BE
[72] DIERICK, STEVE, BE
[73] INSTITUT NATIONAL DES RADIOELEMENTS, BE
[85] 2017-03-31
[86] 2015-10-06 (PCT/EP2015/072976)
[87] (WO2016/055434)
[30] BE (BE2014/0747) 2014-10-07

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[13] C
[51] **Int.Cl. B23C 5/10 (2006.01)**
[25] EN
[54] **ROTARY CUTTING TOOL HAVING A PREDETERMINED NUMBER OF LEFT AND RIGHT HANDED HELICAL FLUTES AND END FACE CUTTING TEETH**
[54] **OUTIL DE COUPE ROTATIF PRESENTANT UN NOMBRE PREDEFINI DE GOUJURES HELICOIDALES A HELICE DROITE ET GAUCHE ET DES DENTS DE COUPE DE FACE D'EXTREMITE**
[72] SHPIGELMAN, LEONID, IL
[72] SEGAL, IGOR, IL
[73] ISCAR LTD., IL
[85] 2017-04-10
[86] 2014-12-15 (PCT/IL2014/051094)
[87] (WO2016/098092)

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[13] C
[51] **Int.Cl. C07K 5/083 (2006.01) A23L 33/18 (2016.01) A61K 38/07 (2006.01) A61K 38/08 (2019.01) A61P 25/28 (2006.01) C07K 5/103 (2006.01) C07K 7/06 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR IMPROVING MEMORY, LEARNING ABILITY, AND COGNITIVE ABILITY**
[54] **UNE COMPOSITION VISANT A AMELIORER LA MEMOIRE, LA CAPACITE D'APPRENTISSAGE ET LA CAPACITE COGNITIVE**
[72] KANG, YONGKOO, KR
[73] BRAINON INC., KR
[73] KANG, YONGKOO, KR
[85] 2017-08-09
[86] 2016-05-03 (PCT/KR2016/004650)
[87] (WO2017/111215)
[30] KR (10-2015-0183011) 2015-12-21
[30] KR (10-2016-0026600) 2016-03-04

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[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A23L 29/20 (2016.01) A23L 29/244 (2016.01) A23L 33/00 (2016.01) A23L 33/16 (2016.01) A23L 33/20 (2016.01) A23L 33/21 (2016.01) A23C 9/123 (2006.01) A23C 9/13 (2006.01) A61K 31/736 (2006.01)**
[25] EN
[54] **DIETARY COMPOSITION WITH PROBIOTICS AND PREBIOTICS**
[54] **COMPOSITION ALIMENTAIRE COMPORTANT DES PROBIOTIQUES ET DES PREBIOTIQUES**
[72] O'HARA, STEPHEN PATRICK, GB
[73] OPTIBIOTIX LIMITED, GB
[85] 2017-04-27
[86] 2015-11-05 (PCT/GB2015/053350)
[87] (WO2016/071693)
[30] GB (PCT/GB2014/053288) 2014-11-05
[30] GB (1502355.9) 2015-02-12

[11] **2,967,861**
[13] C
[51] **Int.Cl. C09J 153/00 (2006.01) B65D 21/02 (2006.01)**
[25] EN
[54] **HOT MELT ADHESIVE COMPOSITION FOR BONDING PACKS OF METAL CONTAINERS**
[54] **COMPOSITION ADHESIVE THERMOFUSIBLE SERVANT A RELIER ENSEMBLE DES LOTS DE CONTENANTS METALLIQUES**
[72] ZIMMEL, JOHN M., US
[72] MANSOUR, AMEARA S., US
[72] JUERS, STEFAN, DE
[72] AXER, VERA, DE
[72] HOLTIN, ULRICH, DE
[72] NAHKALA, ALAN R., US
[73] H.B. FULLER COMPANY, US
[85] 2017-05-12
[86] 2015-12-17 (PCT/US2015/066482)
[87] (WO2016/100728)
[30] US (62/093,094) 2014-12-17

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[13] C
[51] **Int.Cl. C07H 15/256 (2006.01) A23L 27/20 (2016.01) A23L 27/30 (2016.01) C07G 3/00 (2006.01) C07H 15/24 (2006.01)**
[25] EN
[54] **DITERPENE GLYCOSIDES, COMPOSITIONS AND PURIFICATION METHODS**
[54] **GLYCOSIDES DE DITERPENE, COMPOSITIONS ET PROCEDES DE PURIFICATION**
[72] PRAKASH, INDRA, US
[72] BUNDERS, CYNTHIA, US
[73] THE COCA-COLA COMPANY, US
[85] 2017-05-23
[86] 2015-11-24 (PCT/US2015/062315)
[87] (WO2016/085924)
[30] US (62/083,559) 2014-11-24

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[13] C
[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **PRESSURE CONTAINMENT DEVICES**
[54] **DISPOSITIFS DE CONFINEMENT DE PRESSION**
[72] LEUCHTENBERG, CHRISTIAN, SG
[72] MACGREGOR, ALEXANDER JOHN, GB
[72] MICHAUD, GEORGE, CA
[72] SUNDARAMOORTHY, SARAVANAN, IN
[73] MANAGED PRESSURE OPERATIONS PTE. LTD., SG
[85] 2017-06-13
[86] 2015-11-17 (PCT/GB2015/053478)
[87] (WO2016/097677)
[30] GB (1422522.1) 2014-12-17

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[13] C
[51] **Int.Cl. C08J 5/22 (2006.01) C08J 3/24 (2006.01) C08L 29/04 (2006.01) C08L 43/04 (2006.01)**
[25] EN
[54] **ION EXCHANGE MEMBRANES PREPARED FROM CROSSLINKED ION EXCHANGE POLYMER COMPOSITIONS**
[54] **MEMBRANES ECHANGEUSES D'IONS PREPAREES A PARTIR DE COMPOSITIONS DE POLYMERES ECHANGEUSES D'IONS RETICULEES**
[72] ZHANG, KAI, SG
[72] BARBER, JOHN H., CA
[72] MACDONALD, RUSSELL JAMES, US
[72] ZHENG, YONGCHANG, US
[72] GOH, LI MAY, SG
[72] GAO, YAN, CA
[72] ZHAO, YONGHONG, SG
[73] BL TECHNOLOGIES, INC., US
[85] 2017-06-14
[86] 2014-12-19 (PCT/US2014/071568)
[87] (WO2016/099555)

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[13] C
[51] **Int.Cl. H04N 5/74 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTERACTIVE PROJECTION**
[54] **SYSTEME ET PROCEDE DE PROJECTION INTERACTIVE**
[72] HOWARD, STEPHEN, US
[73] OMNI CONSUMER PRODUCTS, LLC, US
[85] 2017-06-15
[86] 2015-12-30 (PCT/US2015/068192)
[87] (WO2016/109749)
[30] US (62/097,769) 2014-12-30

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[13] C
[51] **Int.Cl. H04W 8/08 (2009.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM PROVIDING RELEVANT SERVICES TO TRANSIENT DEVICES IN WIRELESS NETWORKS AND METHODS THEREOF**
[54] **SYSTEME FOURNISSANT DES SERVICES PERTINENTS AUX DISPOSITIFS TRANSITOIRES D'UN RESEAU SANS FIL ET METHODES CONNEXES**
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[73] MITEL NETWORKS CORPORATION, CA
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[54] **DISPOSITIFS DE PROTECTION CONTRE LES SURTENSIONS**
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[73] HUBBELL INCORPORATED, US
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[54] **METHODS AND SYSTEM FOR CREATING FOCAL PLANES USING AN ALVAREZ LENS**
[54] **PROCEDES ET SYSTEME DE CREATION DE PLANS FOCAUX A L'AIDE D'UNE LENTILLE D'ALVAREZ**
[72] TEKOLSTE, ROBERT D., US
[73] MAGIC LEAP, INC., US
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[54] **COUTEAU PLIANT ASSISTE**
[72] WANG, WEIYI, CN
[73] HANGZHOU GREAT STAR TOOLS CO., LTD., CN
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[73] REGENERA PHARMA LTD., IL
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[54] **SYSTEME DE COMMUNICATION SANS FIL, STATION DE BASE ET STATION MOBILE**
[72] OHTA, YOSHIAKI, JP
[72] AIKAWA, SHINICHIRO, JP
[72] ODE, TAKAYOSHI, JP
[72] SUGA, JUNICHI, JP
[72] TAKECHI, RYUICHI, JP
[73] FUJITSU LIMITED, JP
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[54] **PHARMACEUTICAL COMPOSITION FOR TREATING CANCER COMPRISING MICRORNA AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER COMPRENANT UN MICRO-ARN EN TANT QUE PRINCIPE ACTIF**
[72] LEE, TAEWOO, KR
[72] SHIM, SANGHYUNG, KR
[72] YU, UNGSIK, KR
[72] PARK, HAN-OH, KR
[73] BIONEER CORPORATION, KR
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[54] **ELEMENTS DE SURFACE DE PALE DE VENTILATEUR**
[72] SCHILLING, HUGH, US
[72] HENNESSY, DAVID R., US
[72] CAHILL, KEVIN, US
[73] HORTON, INC., US
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[54] **AMIDES CYCLIQUES SUBSTITUES UTILISES COMME HERBICIDES**
[72] CAMPBELL, MATTHEW JAMES, US
[72] SATTERFIELD, ANDREW DUNCAN, US
[73] FMC CORPORATION, US
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[54] **SYSTEM AND METHOD FOR OPERATING A BALLAST CAR HOPPER DOOR**
[54] **SYSTEME ET METHODE DE FONCTIONNEMENT D'UNE TRAPPE D'UN VEHICULE A BALLAST**
[72] LANDES, NATHAN A., US
[72] WALL, KHRISTOPHER R., US
[72] BEDINGFIELD, STEPHEN, US
[72] THORNTON, DOUGLAS P., US
[72] HARRIS, PATRICK R., US
[73] HERZOG RAILROAD SERVICES, INC., US
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[54] **LANCEMENT DE L'EXPEDITION D'UN ARTICLE AU MOYEN D'UN DISPOSITIF MOBILE/A PORTER SUR SOI**
[72] GILLEN, ROBERT J., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[54] **ACIDES GRAS POLYINSATURES A CHAINE TRES LONGUE**
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[72] SVENSEN, HARALD, NO
[73] EPAX NORWAY AS, NO
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[54] **LOW WATER MECHANICAL CSD-1 MANUAL SWITCH CONVERSION TO ELECTRO-MECHANICAL SWITCH**
[54] **CONVERSION D'INTERRUPTEUR MANUEL CSD-1 MECANIQUE A FAIBLE DEBIT D'EAU EN INTERRUPTEUR ELECTROMECANIQUE**
[72] SHAH, PRATIK NARESH, US
[72] STEPHENS, RONAN, US
[72] GU, JAMES J., US
[73] FLUID HANDLING LLC, US
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[54] **OBSCURCISSEMENT DE L'INTENTION DANS DES TRANSACTIONS AU MOYEN DE TECHNIQUES CRYPTOGRAPHIQUES**
[72] WILKINS, ALEC, US
[72] FISH, ERIC NATHANIEL, US
[72] LARSON, TRENT NORMAN, US
[73] TZERO IP, LLC, US
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[54] **A RIGID JOINT ASSEMBLY**
[54] **ENSEMBLE DE JOINT RIGIDE**
[72] SANDELL, HAKAN, SE
[72] TYRBERG, ANDREAS, SE
[72] LEON-GUARENA, ARMANDO, SE
[72] EKHOLM, HENRIK, SE
[73] NKT HV CABLES AB, SE
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[54] **FOUR A CONVECTION COMPORTANT DES PLENUMS D'AIR AMOVIBLES**
[72] MCKEE, PHILIP R., US
[72] VANLANEN, LEE THOMAS, US
[72] COLEMAN, TODD, US
[73] ALTO-SHAAM, INC., US
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[54] **A PLASMA SEPARATING MICROFLUIDIC DEVICE**
[54] **DISPOSITIF MICROFLUIDIQUE DE SEPARATION DE PLASMA**
[72] STEMME, GORAN, SE
[72] LENK, GABRIEL, SE
[72] VAN DER WIJNGAART, WOUTER, SE
[72] JONAS, HANSSON, SE
[72] ROXHED, NICLAS, SE
[73] CAPITAINER AB, SE
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[54] **PLATEFORME DE RESERVATION DE VOYAGE A ATTRIBUTS MULTIPLES**
[72] VALVERDE, L. JAMES, JR., CA
[72] MILLER, JONATHAN DAVID, CA
[72] MILLER, HAROLD ROY, CA
[73] AMGINE TECHNOLOGIES (US), INC., US
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[54] **METHOD OF SAMPLING A CRYOGENIC LIQUID**
[54] **METHODE D'ECHANTILLONNAGE D'UN LIQUIDE CRYOGENIQUE**
[72] PELLERIN, JOSEPH PHILIPPE, CA
[73] AIR LIQUIDE CANADA, INC., CA
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[54] **APPAREIL ET PROCEDE DE MESURE A RAYONS X EN LIGNE**
[72] KIRSCHENMAN, MARK B., US
[73] ILLINOIS TOOL WORKS INC., US
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[54] **CAISSON DE TRANCHEE ET PROCEDE D'ASSEMBLAGE**
[72] FOLEY, JAMES, CA
[72] GRAHAM, DEVON, CA
[72] MAYER, BENEDIKT, CA
[72] KROCHAK, DARRYL, CA
[73] 2307050 ALBERTA LTD., CA
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[54] **SYSTEMS AND METHODS FOR PRODUCING HYDROCARBONS FROM HYDOCARBON BEARING ROCK VIA COMBINED TREATMENT OF THE ROCK AND SUBSEQUENT WATERFLOODING**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'HYDROCARBURES A PARTIR DE ROCHE CONTENANT DES HYDROCARBURES PAR L'INTERMEDIAIRE D'UN TRAITEMENT COMBINE DE LA ROCHE ET D'UNE INJECTION D'EAU U LTERIEURE**
[72] BOCCARDO, GIOVANNA, US
[72] BULLEN, JOHN V., US
[72] COLLINS, IAN RALPH, US
[72] NEIL, JAMES, US
[72] PEATS, ALLAN, US
[72] REES, ANDREW, US
[72] TAYLOR, SPENCER, US
[72] ZENG, HUANG, US
[73] BP CORPORATION NORTH AMERICA INC., US
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[54] **EXPLOSION PROOF ASSEMBLY**
[54] **DISPOSITIF A L'EPREUVE DES EXPLOSIONS**
[72] BALOURDET, XAVIER, US
[73] XCIEL, INC., US
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[54] **STRUCTURES POLYMERES RENFORCEES PAR DES FIBRES**
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[73] STARTLINK SYSTEMS LTD, GB
[85] 2018-03-26
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[54] **METHOD FOR PRODUCING BIO-BASED ACRYLIC ACID AND ITS DERIVATIVES FROM LACTIC ACID AND DERIVATIVES THEREFORE USING MIXED PHOSPHATE CATALYST AND THE PROCESS THEREOF**
[54] **METHODE POUR PRODUIRE UN ACIDE ACRYLIQUE BIO-RESSOURCE ET SES DERIVES D'ACIDE LACTIQUE ET DERIVES CONNEXES AU MOYEN D'UN CATALYSEUR DE PHOSPHATE MELANGE ET PROCEDE CONNEXE**
[72] VELASQUEZ, JUAN ESTEBAN, US
[72] COLLIAS, DIMITRIS IOANNIS, US
[72] GODLEWSKI, JANE ELLEN, US
[72] LINGOES, JANETTE VILLALOBOS, US
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (3002289)
[87] (3002289)
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[54] **TECHNIQUES FOR IN-STORE PRESCRIPTION NOTIFICATIONS**
[54] **TECHNIQUES DE NOTIFICATIONS D'ORDONNANCE EN MAGASIN**
[72] HUMPHREYS, DUSTIN WAYNE, US
[72] KUKREJA, VIJAY I., US
[72] GUDIMETLA, DHARMENDRA, US
[73] CVS PHARMACY, INC., US
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[54] **TPO & PVC MEMBRANE INCORPORATING RFID TAGS**
[54] **MEMBRANES TPO ET PVC INCORPORANT DES ETIQUETTES RFID**
[72] MARCIELLO, ROBERT JOHN, US
[72] PODEWILS, DANIEL, US
[72] ASHBY, THOMAS LEE, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
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[54] **MEDICATION MIXER, DUAL HARD PORTS, AND SOFT INTRAVENOUS BAG**
[54] **MELANGEUR DE MEDICAMENT, ORIFICES DURS DOUBLES ET POCHE DE PERFUSION SOUPLE**
[72] ZHANG, YUN, CN
[72] LI, KE, CN
[73] CHONGQING LUMMY PHARMACEUTICAL CO., LTD, CN
[85] 2018-05-10
[86] 2016-11-13 (PCT/CN2016/105564)
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[54] **CONCEPTION MATRICIELLE POUR OPERATION A BANDE ETROITE POUR DES COMMUNICATIONS DE TYPE MACHINE**
[72] RICO ALVARINO, ALBERTO, US
[72] GAAL, PETER, US
[72] WANG, XIAOFENG, US
[72] CHEN, WANSHI, US
[72] FAKOORIAN, SEYED ALI AKBAR, US
[72] XU, HAO, US
[72] WANG, RENQIU, US
[72] LEI, JING, US
[73] QUALCOMM INCORPORATED, US
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[54] **RETROECLAIRAGE A BASE D'ELEMENTS A FAISCEAUX MULTIPLES A VUES CONVERGENTES**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
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[54] **METHOD FOR TRIGGERING FREESTANDING RADIO RESOURCE CONTROL REPORT**
[54] **PROCEDE POUR DECLENCHER UN RAPPORT DE COMMANDE DE RESSOURCE RADIO AUTONOME**
[72] TOMALA, MALGORZATA, PL
[72] HENTTONEN, TERO, FI
[73] NOKIA TECHNOLOGIES OY, FI
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[54] **METHOD FOR SEALING OF A CANAL**
[54] **PROCEDE DE SCELLEMENT D'UN CANAL**
[72] ERTL, THOMAS, DE
[72] DIEBOLDER, ROLF, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
[85] 2018-07-19
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[54] **MODELISATION DE TENDANCES DANS DES RENDEMENTS DE CULTURE**
[72] ALDOR-NOIMAN, SIVAN, US
[72] ANDREJKO, ERIK, US
[73] THE CLIMATE CORPORATION, US
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[54] **METHOD OF AGGLOMERATING CANNABIS EXTRACT WITH ENERGIZING CONSUMABLES**
[54] **METHODE D`AGGLOMERATION D`EXTRAIT DE CANNABIS AYANT DES ARTICLES CONSOMMABLES ENERGISSANT**
[72] PODAIMA, SLATE, CA
[73] PODAIMA, SLATE, CA
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[54] **APPARATUS COMPRISING A BIOREACTOR FOR WASTEWATER TREATMENT**
[54] **APPAREIL COMPORTANT UN BIOREACTEUR DESTINE AU TRAITEMENT DES EAUX USEES**
[72] CHARTIER, LEO-MICHEL, CA
[72] CHARTIER, MICHEL, CA
[73] LES ENTREPRISES CHARTIER (2009) INC., CA
[86] (3014390)
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[51] **Int.Cl. G07D 11/20 (2019.01) G07D 11/40 (2019.01) G06F 9/46 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR EVALUATING SENSOR DATA FOR A VALUE DOCUMENT**
[54] **DISPOSITIF ET PROCEDE D'EVALUATION DE DONNEES DE DETECTION D'UN DOCUMENT DE VALEUR**
[72] ROHRL, WOLFGANG, DE
[72] FORSTER, KARL-DIETER, DE
[73] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
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[25] EN
[54] **MODULATING PLANT ABIOTIC STRESS RESPONSES USING THE KANGHAN GENE FAMILY**
[54] **MODULATION DES REPONSES AU STRESS ABIOTIQUE DES PLANTES A L'AIDE DE LA FAMILLE DES GENES KANGHAN**
[72] ZOU, JITAO, CA
[72] SHEN, WENYUN, CA
[72] GAO, PENG, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[86] (3017921)
[87] (3017921)
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[25] EN
[54] **ANTIBODY-DRUG CONJUGATES COMPRISING ANTIBODIES MODIFIED WITH METAL ION-BINDING MOTIFS**
[54] **CONJUGUE ANTICORPS-MEDICAMENT COMPRENANT UN ANTICORPS MODIFIE**
[72] PARK, SOON JAE, KR
[72] CHUNG, HYE-SHIN, KR
[72] LEE, SUNBAE, KR
[72] BYUN, MINSOO, KR
[73] ALTEOGEN, INC., KR
[85] 2018-09-21
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[54] **MULTICHANNEL GROUND FAULT TESTER**
[54] **APPAREIL DE TEST DE DEFAUT A LA TERRE MULTICANAL**
[72] HOGAN, BRIAN JOSEPH, US
[73] SIEMENS MOBILITY, INC., US
[86] (3020094)
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[54] **CONFIGURATION DATA AS CODE**
[54] **DONNEES DE CONFIGURATION EN TANT QUE CODE**
[72] WEBB, JASON MICHAEL, US
[72] JERE, AMIT RAMCHANDRA, US
[72] BARNES, THOMAS, US
[72] FRASER, KAREN LYNN, US
[72] ROHATGI, AMIT, US
[72] BAID, PUJA, US
[73] INTUIT INC., US
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[54] **DEVICE PAIRING USING A SECURE ZONE**
[54] **APPARIEMENT DE DISPOSITIFS UTILISANT UNE ZONE SECURISEE**
[72] NAIR, SUBHASH P., US
[72] CLAY, TIMOTHY M., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2018-11-13
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[25] EN
[54] **MAXIMIZING RESOLUTION OF RESISTANCE SENSING**
[54] **MAXIMISATION DE LA RESOLUTION DE LA DETECTION DE RESISTANCE**
[72] CHARLES, DONALD E., US
[73] SIEMENS INDUSTRY, INC., US
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[54] **VEHICLE NAVIGATION SYSTEM USING POSE ESTIMATION BASED ON POINT CLOUD**
[54] **SYSTEME DE NAVIGATION DE VEHICULE EMPLOYANT L'ESTIMATION DE POSE FONDEE SUR LE NUAGE DE POINTS**
[72] YANG, SHENG, CN
[72] MA, TENG, CN
[72] NIAN, XING, CN
[73] BEIJING DIDI INFINITY SCIENCE AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-10
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[54] **STUNNER**
[54] **DISPOSITIF D'ETOURDISSEMENT**
[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[85] 2018-12-11
[86] 2017-06-30 (PCT/US2017/040359)
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[25] EN
[54] **SYSTEM AND METHODS FOR DETECTING ONLINE FRAUD**
[54] **SYSTEME ET PROCEDES DE DETECTION DE FRAUDE EN LIGNE**
[72] DAMIAN, ALIN-OCTAVIAN, RO
[73] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2018-12-12
[86] 2017-07-10 (PCT/EP2017/067192)
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[25] EN
[54] **MODULAR BULK MATERIAL CONTAINER**
[54] **RECIPIENT MODULAIRE POUR MATERIAU EN VRAC**
[72] SCHAFFNER, AUSTIN CARL, US
[72] WARREN, WESLEY JOHN, US
[72] LUCAS, BRYAN CHAPMAN, US
[72] STEGEMOELLER, CALVIN L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **POLYURETHANE COMPOSITIONS FOR COATING**
[54] **COMPOSITIONS DE REVETEMENT A BASE DE POLYURETHANE**
[72] KUNG, JIMMY, CA
[72] ULCAR, JOHN, CA
[72] PAREKH, DIPAK, CA
[73] CROSSLINK TECHNOLOGY INC., CA
[86] (3028127)
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[25] EN
[54] **USE OF A SYNBIOTIC COMPOSITION AND METHODS OF SCREENING FOR SAID COMPOSITION**
[54] **UTILISATION DE COMPOSITION SYMBIOTIQUE ET METHODE DE SELECTION D'UNE TELLE COMPOSITION**
[72] O'HARA, STEPHEN P., GB
[72] RASTALL, ROBERT, GB
[73] OPTIBIOTIX LIMITED, GB
[86] (3028210)
[87] (3028210)
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[25] EN
[54] **CIRCUIT INTERRUPTION DEVICE WITH THERMAL PROTECTION**
[54] **DISPOSITIF INTERRUPTEUR DE CIRCUIT DOTE D'UNE PROTECTION THERMIQUE**
[72] YANG, LIN, CN
[72] XIONG, TAO, CN
[72] ZHUANG, CHUANCHUAN, CN
[72] ZHANG, XIANZHEN, CN
[72] ZHANG, FENGGUO, CN
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (3029292)
[87] (3029292)
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[54] **USES OF MICROFLUIDIC DEVICES COMPRISING ADDITIVE CHANNELS**
[54] **UTILISATIONS DE DISPOSITIFS MICROFLUIDIQUES COMPRENANT DES CANAUX ADDITIFS**
[72] LEVNER, DANIEL, US
[72] HINOJOSA, CHRISTOPHER DAVID, US
[72] WEN, NORMAN, US
[72] FRASER, JACOB, US
[72] NGUYEN, JUSTIN, US
[72] BARRILE, RICCARDO, US
[72] HAMILTON, GERALDINE, US
[72] KARALIS, CATHERINE, US
[72] PARK, HYOUNG SHIN, US
[72] VARONE, ANTONIO, US
[72] VAN DER MEER, ANDRIES, NL
[72] OTIENO, MONICAH, US
[72] CONEGLIANO, DAVID, US
[73] EMULATE, INC., US
[73] JANSSEN BIOTECH, INC., US
[85] 2019-01-02
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[51] **Int.Cl. B22F 3/105 (2006.01) B29C 64/393 (2017.01)**
[25] EN
[54] **METHODS USING GHOST SUPPORTS FOR ADDITIVE MANUFACTURING**
[54] **PROCEDES METTANT EN □UVRE DES SUPPORTS FANTOMES DESTINES A LA FABRICATION ADDITIVE**
[72] GOLD, SCOTT ALAN, US
[72] KENNEY, PATRICK MICHAEL, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2019-01-17
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[25] EN
[54] **MANAGEMENT SYSTEM FOR WORK VEHICLE AND MANAGEMENT METHOD FOR WORK VEHICLE**
[54] **SYSTEME DE GESTION DE VEHICULE DE TRAVAIL ET PROCEDE DE GESTION DE VEHICULE DE TRAVAIL**
[72] TAKEDA, KOJI, JP
[72] NISHIJIMA, AKIHARU, JP
[73] KOMATSU LTD., JP
[85] 2019-01-25
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[54] **ELECTROSURGICAL DEVICE WITH VACUUM PORT HAVING MULTIPLE SWIVEL CONNECTIONS**
[54] **DISPOSITIF ELECTROCHIRURGICAL PRESENTANT UN ORIFICE SOUS VIDE ET POURVU DE PLUSIEURS RACCORDS PIVOTANTS**
[72] MILLER, MICHAEL J., US
[72] HERSEY, TIMOTHY, US
[72] BONANO, SAMANTHA, US
[72] SHVETSOV, KYRYLO, US
[73] BUFFALO FILTER LLC, US
[85] 2019-01-29
[86] 2017-08-01 (PCT/US2017/044927)
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[25] EN
[54] **POLYSACCHARIDE HAVING INNATE IMMUNITY STIMULATING ACTIVITY AND INNATE IMMUNITY STIMULATING AGENT OR FOOD AND DRINK COMPRISING THEREOF**
[54] **POLYSACCHARIDE PRESENTANT UN EFFET IMMUNOSTIMULANT NATUREL ET IMMUNOSTIMULANT NATUREL OU ALIMENT OU BOISSON LE COMPRENANT**
[72] SEKIMIZU, KAZUHISA, JP
[72] URAI, MAKOTO, JP
[73] IMAGINE GLOBAL CARE CORPORATION, JP
[85] 2019-02-06
[86] 2017-08-04 (PCT/JP2017/029237)
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[25] EN
[54] **MATERIALS AND METHODS FOR MITIGATING HALIDE SPECIES IN PROCESS STREAMS**
[54] **MATIERES ET PROCEDES POUR ATTENUER DES ESPECES D'HALOGENURE DANS DES FLUX DE TRAITEMENT**
[72] JOSHI, UMAKANT PRAVINCHANDRA, US
[73] CRYSTAPHASE PRODUCTS, INC., US
[85] 2019-02-19
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[54] **SYSTEMS AND METHODS FOR VERIFYING AUTHENTICITY OF ID PHOTO**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE VERIFIER L'AUTHENTICITE D'UNE PHOTO D'IDENTIFICATION**
[72] ZHANG, TIANMING, CN
[73] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-28
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[25] EN
[54] **HIGH STRENGTH AND HIGH FORMABILITY STEEL SHEET AND MANUFACTURING METHOD**
[54] **TOLE D'ACIER TRES RESISTANTE ET TRES MALLEABLE ET METHODE DE FABRICATION**
[72] MAGAR, CORALIE, FR
[72] ZHU, KANGYING, FR
[72] PERLADE, ASTRID, FR
[73] ARCELORMITTAL, LU
[85] 2019-03-04
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[25] EN
[54] **AMINO MERCAPTAN COMPOUND AND PREPARATION METHOD THEREFOR AND USE THEREOF IN PROTECTION AGAINST RADIATION**
[54] **COMPOSE AMINOMERCAPTAN, SON PROCEDE DE PREPARATION ET SON UTILISATION DANS LA PROTECTION CONTRE LE RAYONNEMENT**
[72] TIAN, HONGQI, CN
[72] CHENG, YING, CN
[72] ZHANG, QIANRU, CN
[72] ZHU, ZHIMEI, CN
[72] WANG, YUEYING, CN
[73] SHANGHAI KECHOW PHARMA, INC., CN
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[25] EN
[54] **METHOD FOR EMBEDDING ELECTRONICS INTO A PUCK AND PUCK HAVING EMBEDDED ELECTRONICS**
[54] **METHODE D'INTEGRATION DE DISPOSITIFS ELECTRONIQUES DANS UNE RONDELLE ET RONDELLE COMPORTANT DES DISPOSITIFS ELECTRONIQUES INTEGRES**
[72] HOLZNER, SIMON, DE
[72] BOHN, BERNHARD JOHANN, DE
[73] KINEXON GMBH, DE
[86] (3036032)
[87] (3036032)
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[54] **COMPOSANTE DE JOINT MULTICOUCHE A L'EPREUVE DU FEU**
[72] PILZ, DONALD ANTHONY, US
[73] CALIFORNIA EXPANDED METAL PRODUCTS COMPANY, US
[86] (3036429)
[87] (3036429)
[22] 2019-03-12
[30] US (16/103,693) 2018-08-14
[30] US (62/643,325) 2018-03-15
[30] US (62/688,945) 2018-06-22

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[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING A POWERTRAIN CONFIGURATION**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE CONFIGURATION DE GROUPE PROPULSEUR**
[72] SLATON, ZACHARY, US
[72] HAMPSON, RICHARD, US
[72] WICKSTRUM, TODD, US
[73] PACCAR INC, US
[86] (3037035)
[87] (3037035)
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[25] EN
[54] **INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE**
[72] SPYRA, NIKOLAUS, AT
[72] LOPEZ, FRANCISCO, AT
[72] UNDEVALL, LUKAS, AT
[73] INNIO JENBACHER GMBH & CO OG, AT
[86] (3038636)
[87] (3038636)
[22] 2019-04-01

[11] **3,040,580**
[13] C
[51] **Int.Cl. B03B 9/02 (2006.01) C10C 3/08 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **SOLVENT RECOVERY SYSTEM HEAT EXCHANGE TECHNIQUES FOR BITUMEN FROTH TREATMENT OPERATIONS**
[54] **TECHNIQUES D'ECHANGE THERMIQUE DE SYSTEME DE RECUPERATION DE SOLVANT DESTINE A DES OPERATIONS DE TRAITEMENT DE MOUSSE DE BITUME**
[72] FOULDS, GARY, CA
[72] KIM, JUNG SEOB, KR
[72] LINDMARK, JEFFREY, CA
[73] FORT HILLS ENERGY L.P., CA
[86] (3040580)
[87] (3040580)
[22] 2016-08-11
[62] 2,938,677

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[13] C
[51] **Int.Cl. B05B 1/18 (2006.01) A47K 3/28 (2006.01) E03C 1/04 (2006.01) F16L 3/16 (2006.01)**
[25] EN
[54] **ADJUSTABLE HEIGHT SHOWER HEAD ASSEMBLY**
[54] **DISPOSITIF DE POMME DE DOUCHE A HAUTEUR AJUSTABLE**
[72] DAVIDSON, KYLE, US
[72] GARLAND, CELINE, US
[72] SORRELL, SCOTT, US
[73] DELTA FAUCET COMPANY, US
[86] (3041480)
[87] (3041480)
[22] 2019-04-29
[30] US (62/668,530) 2018-05-08

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[13] C
[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **IMPLANTABLE APPARATUS FOR RETENTION OF BIOLOGICAL MOIETIES**
[54] **APPAREIL IMPLANTABLE PERMETTANT LA RETENTION DE FRACTIONS BIOLOGIQUES**
[72] CULLY, EDWARD H., US
[72] DRUMHELLER, PAUL D., US
[72] DUNCAN, JEFFREY B, US
[72] FRIEDMAN, NATHAN, US
[73] W. L. GORE & ASSOCIATES, INC., US
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[87] (WO2018/089401)
[30] US (62/419,130) 2016-11-08
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[30] US (15/805,744) 2017-11-07

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[25] EN
[54] **ANIMAL SPRAYING DEVICES, SYSTEMS AND METHODS OF USE**
[54] **DISPOSITIFS DE PULVERISATION POUR ANIMAUX, SYSTEMES ET PROCEDES D'UTILISATION**
[72] AVILA, VERNON M., US
[72] MELVIN, DAVID A., US
[73] AVRAN INDUSTRIAL, INC., US
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[86] 2018-02-08 (PCT/US2018/017462)
[87] (WO2018/148438)
[30] US (62/456,616) 2017-02-08
[30] US (62/457,744) 2017-02-10
[30] US (15/891,859) 2018-02-08

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[54] **FIXATION MECHANISM FOR AN IMPLANT**
[54] **MECANISME DE FIXATION POUR UN IMPLANT**
[72] HARRIS, BRIAN R., JR., US
[73] WRIGHT MEDICAL TECHNOLOGY, INC., US
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[87] (3042891)
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[62] 2,972,844
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[25] EN
[54] **BENZOHETEROCYCLIC ALKYLAMINE COMPOUNDS AND USE THEREOF**
[54] **COMPOSE DE BENZOHETEROCYCLYL ALKYLAMINE ET SON UTILISATION**
[72] LI, JIAN, CN
[72] LAN, LEFU, CN
[72] LI, BAOLI, CN
[72] CHEN, FEIFEI, CN
[72] NI, SHUAISHUAI, CN
[72] LIU, YIFU, CN
[72] WEI, HANWEN, CN
[72] MAO, FEI, CN
[72] ZHU, JIN, CN
[73] EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2019-05-15
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[25] EN
[54] **METHOD FOR CLEANING SURFACES IN INTERIOR SPACES AND IN TECHNICAL EQUIPMENTS WITH BENIGN BACTERIA**
[54] **PROCEDE DE NETTOYAGE DE SURFACES DANS DES ESPACES INTERIEURS ET DANS DES EQUIPEMENTS TECHNIQUES A L'AIDE DE BACTERIES BENIGNES**
[72] WILLOCX, FILIP WILLEM MARIA, BE
[72] DE KOSTER, KOEN, BE
[73] LIVING TECHNOLOGIES, COOPERATIEVE VENNOOTSCHAP MET BEPERKTE AANSPRAKELIJKHEID, BE
[85] 2019-05-28
[86] 2018-01-24 (PCT/IB2018/050424)
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[30] BE (2017/5044) 2017-01-25

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[25] EN
[54] **ULTRASOUND MATRIX INSPECTION**
[54] **CONTROLE PAR MATRICE A ULTRASONS**
[72] TEN GROTENHUIS, RAYMOND, CA
[72] HONG, ANDREW, CA
[72] CHEN, ZHENXIANG, CA
[72] MADILL, MATT, CA
[72] SHOKRALLA, SHADDY, CA
[72] WONG, CHENG CHUEN BENEDICT, CA
[72] PRESTON, SCOTT, CA
[72] SAKUTA, ALEXANDER, CA
[73] ONTARIO POWER GENERATION INC., CA
[86] (3046234)
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[22] 2012-09-26
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[30] US (61/539,208) 2011-09-26
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[25] EN
[54] **METHOD FOR PREPARING AN ICED TEA OR COFFEE BEVERAGE**
[54] **PROCEDE DE PREPARATION D'UNE BOISSON GLACEE A BASE DE THE OU DE CAFE**
[72] DEES, HENDRIK JOHAN, NL
[72] DIMOULA, MYRTO, GB
[72] AHEARN, DANIEL THOMAS, GB
[72] OLIVER, JAMES SIMON, GB
[72] JELLEY, SIMON PHILIP, GB
[72] WILLIAMSON, FINBARR CHARLES RONALD, GB
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2019-06-10
[86] 2017-12-27 (PCT/EP2017/084673)
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[30] GB (1622310.9) 2016-12-28

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[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **AUTOMATIC TRUCK LOADING AND UNLOADING SYSTEM**
[54] **SYSTEME DE CHARGEMENT ET DE DECHARGEMENT AUTOMATIQUES DE CAMION**
[72] ANDERSON, JULIE, US
[73] OMNITRACS, LLC, US
[85] 2019-06-10
[86] 2018-01-10 (PCT/US2018/013157)
[87] (WO2018/132466)
[30] US (15/404,003) 2017-01-11

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[51] **Int.Cl. A61K 38/48 (2006.01) A61K 45/06 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **USE OF PLASMINOGEN FOR PROMOTING SECRETION OF INSULIN IN TREATMENT OF DIABETES**
[54] **UTILISATION DU PLASMINOGENE POUR FAVORISER L'INSULINOSECRETION AUX FINS DU TRAITEMENT DU DIABETE**
[72] LI, JINAN, CN
[73] TALENGEN INTERNATIONAL LIMITED, CN
[85] 2019-06-14
[86] 2017-06-19 (PCT/CN2017/089066)
[87] (WO2018/107706)
[30] CN (PCT/CN2016/110171) 2016-12-15

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[13] C
[51] **Int.Cl. H04B 7/04 (2017.01)**
[25] EN
[54] **BEAM SELECTION METHOD, APPARATUS AND SYSTEM**
[54] **PROCEDE DE SELECTION DE FAISCEAU D'ONDES, APPAREIL, ET SYSTEME**
[72] ZHANG, ZHI, CN
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-06-28
[86] 2017-05-04 (PCT/CN2017/083096)
[87] (WO2018/120566)
[30] CN (PCT/CN2016/113685) 2016-12-30

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[13] C
[51] **Int.Cl. G01N 15/10 (2006.01) G01S 17/04 (2020.01) G01S 17/89 (2020.01)**
[25] EN
[54] **METHODS AND APPARATI FOR NONDESTRUCTIVE DETECTION OF UNDISSOLVED PARTICLES IN A FLUID**
[54] **PROCEDES ET APPAREILS DE DETECTION NON DESTRUCTIVE DE PARTICULES NON DISSOUTES DANS UN FLUIDE**
[72] MILNE, GRAHAM F., US
[72] FREUND, ERWIN, US
[72] SMITH, RYAN L., US
[73] AMGEN INC., US
[86] (3048942)
[87] (3048942)
[22] 2012-08-29
[62] 2,843,016
[30] US (61/528,589) 2011-08-29
[30] US (61/542,058) 2011-09-30
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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 24/08 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES**
[72] LIU, JING, CN
[72] WANG, TINGTING, CN
[72] DAI, MINGZENG, CN
[72] ZHANG, HONGPING, CN
[72] ZENG, QINGHAI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-07-04
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[25] EN
[54] **ADJUSTABLE CLAMP**
[54] **DISPOSITIF D`ANCRAGE AJUSTABLE**
[72] VOEGELE, TYLER ALYCE, US
[72] OYE, JERRY, US
[73] RETRAX HOLDINGS, LLC, US
[86] (3049565)
[87] (3049565)
[22] 2019-07-15
[30] US (16/103,232) 2018-08-14

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[13] C
[51] **Int.Cl. H05C 3/00 (2006.01) H05B 47/16 (2020.01) F41H 13/00 (2006.01)**
[25] EN
[54] **TEMPORARILY IMPAIRING VISION OF SELECTED OCCUPANTS OF AN AREA**
[54] **ALTERATION VISUELLE TEMPORAIRE D'OCCUPANTS CHOISIS DANS UNE ZONE**
[72] PALTI, YORAM, IL
[73] LIGHTGUARD LTD, IL
[85] 2019-07-09
[86] 2018-01-30 (PCT/IB2018/050572)
[87] (WO2018/142283)
[30] US (62/452,642) 2017-01-31

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[13] C
[51] **Int.Cl. A47K 10/38 (2006.01) B65H 16/06 (2006.01)**
[25] EN
[54] **HOLDING ARRANGEMENT AND METHOD FOR HOLDING A TISSUE ROLL IN A DISPENSER, AND DISPENSER**
[54] **MECANISME ET METHODE DE SUPPORT D`UN ROULEAU DE PAPIER DANS UN DISTRIBUTEUR, ET LEDIT DISTRIBUTEUR**
[72] ZIMMERMANN, CHRISTOPH, DE
[72] RUECKHEIM, MARKUS, DE
[73] CWS-BOCO INTERNATIONAL GMBH, DE
[86] (3050767)
[87] (3050767)
[22] 2019-07-26
[30] EP (18186308.5) 2018-07-30

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[51] **Int.Cl. A61B 10/02 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR INTEGRATED TISSUE SAMPLING AND TISSUE MARKER PLACEMENT**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR UN ECHANTILLONNAGE DE TISSU INTEGRE ET UN PLACEMENT DE MARQUEUR DE TISSU**
[72] SUBEDI, SHREE K., US
[73] DEVICE AND DESIGN, LLC, US
[85] 2019-08-02
[86] 2018-02-05 (PCT/US2018/016888)
[87] (WO2018/145018)
[30] US (62/454,955) 2017-02-06
[30] US (15/888,527) 2018-02-05

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[13] C
[51] **Int.Cl. F16K 31/06 (2006.01) E03C 1/04 (2006.01) F16K 11/00 (2006.01)**
[25] EN
[54] **INTEGRATED SOLENOID VALVE FOR AN ELECTRONIC FAUCET**
[54] **VANNE ELECTROMAGNETIQUE INTEGREE POUR UN ROBINET ELECTRONIQUE**
[72] THOMAS, KURT J., US
[72] BROWN, DEREK A., US
[72] SAWASKI, JOEL D., US
[73] DELTA FAUCET COMPANY, US
[86] (3052847)
[87] (3052847)
[22] 2014-03-14
[62] 3,000,704
[30] US (13/837,052) 2013-03-15

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[25] EN
[54] **A SELF-REGULATING WATER TURBINE SUB-RUNNER**
[54] **ROUE MOBILE SECONDAIRE DE TURBINE HYDRAULIQUE AUTO-REGULATRICE**
[72] SWIDERSKI, JACEK, CA
[73] COMPOSITE HYDRAULIC TURBINE OTTAWA INC., CA
[85] 2019-08-12
[86] 2018-02-23 (PCT/CA2018/050208)
[87] (WO2018/152639)
[30] US (62/463,344) 2017-02-24

[11] **3,053,535**
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[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/26 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **SIGNAL PROCESSING OF A MULTI-SUB ROTATIONAL RESISTIVITY LOGGING TOOL**
[54] **TRAITEMENT DE SIGNAL D'UN OUTIL DE DIAGRAPHIE DE RESISTIVITE EN ROTATION A RACCORDS MULTIPLES**
[72] MA, JIN, SG
[72] WU, HSU-HSIANG, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-13
[86] 2017-06-02 (PCT/US2017/035765)
[87] (WO2018/222208)

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[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/42 (2006.01)**
[25] EN
[54] **DIRECTIONAL BACKLIGHT, BACKLIT DISPLAY AND METHOD BACKGROUND**
[54] **RETROECLAIRAGE DIRECTIONNEL, AFFICHAGE RETROECLAIRE ET METHODE D'ARRIERE-PLAN**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
[85] 2019-08-15
[86] 2018-03-01 (PCT/US2018/020544)
[87] (WO2018/182917)
[30] US (62/476,781) 2017-03-25

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[13] C
[51] **Int.Cl. B23P 19/08 (2006.01) B65B 13/02 (2006.01) B65B 13/18 (2006.01) B65B 13/30 (2006.01) F16L 33/025 (2006.01)**
[25] EN
[54] **DEVICE FOR FORCE MONITORING WHEN FIXING A TENSION CLAMP**
[54] **DISPOSITIF DE SURVEILLANCE DE LA FORCE AU MOMENT DE FIXER UNE PINCE DE TENSION**
[72] STEINER, PETER, CH
[73] OETIKER SCHWEIZ AG, CH
[85] 2019-08-20
[86] 2017-03-14 (PCT/EP2017/056012)
[87] (WO2018/166585)

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[13] C
[51] **Int.Cl. E21C 41/16 (2006.01) E21C 41/18 (2006.01) E21F 16/00 (2006.01)**
[25] EN
[54] **PITSHAFT COAL UNCOVERING METHOD FOR COAL MINES WHOSE COAL SEAM LIES IN MAIN AQUIFER**
[54] **PROCEDE DE DEMASQUAGE DE CHARBON DE PUITS DE MINE POUR DES MINES DE CHARBON DONT LE FILON DE CHARBON SE TROUVE DANS UN AQUIFERE PRINCIPAL**
[72] XIAO, MENG, CN
[72] JU, FENG, CN
[72] GUO, SHUAI, CN
[72] LI, BAIYI, CN
[72] PEI, YULONG, CN
[72] FU, ZHIPENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2019-08-21
[86] 2017-05-12 (PCT/CN2017/084071)
[87] (WO2017/198109)
[30] CN (201610322505.9) 2016-05-16

[11] **3,054,553**
[13] C
[51] **Int.Cl. A61B 5/283 (2021.01) A61B 34/20 (2016.01) A61B 5/06 (2006.01) A61B 8/12 (2006.01)**
[25] EN
[54] **INTRAVASCULAR SENSING DEVICE WITH ADAPTER AND RING ELECTRODE**
[54] **DISPOSITIF DE DETECTION INTRAVASCULAIRE COMPORTANT UN ADAPTATEUR ET UNE ELECTRODE DE BOUCLE**
[72] AMAN, MICHAEL, US
[72] ROWE, JAMIE C., US
[72] TENTLER, IGOR, US
[72] HEINLY, KURT, US
[72] HARDING, MICHAEL, US
[72] HORST, NICK, US
[73] TELEFLEX MEDICAL INCORPORATED, US
[85] 2019-08-23
[86] 2018-02-15 (PCT/US2018/018272)
[87] (WO2018/156405)
[30] US (15/442,024) 2017-02-24

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[13] C
[51] **Int.Cl. C12Q 1/58 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **NANOBEAD CONTAINING BIOSENSORS AND METHODS OF PRODUCTION AND USE THEREOF**
[54] **BIOCAPTEURS CONTENANT DES NANOBILLES ET PROCEDES DE PRODUCTION ET D'UTILISATION DE CES BIOCAPTEURS**
[72] WILSON, MICHAEL S., US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2019-08-30
[86] 2018-02-28 (PCT/US2018/020136)
[87] (WO2018/160644)
[30] US (62/466,741) 2017-03-03

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[13] C
[51] **Int.Cl. G01V 3/20 (2006.01) G01V 3/30 (2006.01)**
[25] EN
[54] **COMPUTER PROCESSING OF BOREHOLE TO SURFACE ELECTROMAGNETIC TRANSMITTER SURVEY DATA**
[54] **TRAITEMENT INFORMATIQUE DE DONNEES DE RELEVE AVEC UN EMETTEUR ELECTROMAGNETIQUE ENTRE LE TROU DE FORAGE ET LA SURFACE**
[72] MARSALA, ALBERTO, SA
[72] AL-BUALI, MUHAMMAD H., SA
[72] BIYAN, TANG, CN
[72] HE, ZHANXIANG, CN
[73] SAUDI ARABIAN OIL COMPANY, SA
[73] BGP ARABIA CO., LTD., SA
[85] 2019-08-28
[86] 2018-02-27 (PCT/US2018/019997)
[87] (WO2018/164884)
[30] US (15/450,998) 2017-03-06

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[51] **Int.Cl. B29C 45/26 (2006.01) B29C 45/34 (2006.01)**
[25] EN
[54] **MOLDING SYSTEM HAVING A MOLD STACK WITH A CLEANING CONFIGURATION AND A SHUT HEIGHT ADJUSTMENT MECHANISM**
[54] **SYSTEME DE MOULAGE PRESENTANT UN EMPILEMENT DE MOULES AYANT UNE CONFIGURATION DE NETTOYAGE ET UN MECANISME DE REGLAGE DE HAUTEUR DE FERMETURE**
[72] KMOCH, SVEN, DE
[72] FISCH, RALPH W., DE
[72] MCCREADY, DEREK ROBERTSON, CA
[72] PAPA, RENATO, CA
[72] BRADSHAW, MAXFIELD PAUL, CA
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[86] (3055639)
[87] (3055639)
[22] 2016-02-24
[62] 2,977,296
[30] US (62/135,987) 2015-03-20

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[51] **Int.Cl. G07C 15/00 (2006.01)**
[25] EN
[54] **MULTI-BIN LOTTERY TICKET DISPENSER WITH FLOATING CIRCUIT BOARD CONFIGURATION**
[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE A BACS MULTIPLES EN CONFIGURATION DE CIRCUIT ISOLE DE LA MASSE**
[72] GHIA, AJAY J., US
[72] MEJENBORG, STEN HALLUNBAEK, US
[72] THOMPSON, MARK ANDREW, US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[86] (3056091)
[87] (3056091)
[22] 2019-09-20
[30] US (62/733,794) 2018-09-20

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[51] **Int.Cl. A23C 9/142 (2006.01) A23L 27/00 (2016.01) A23L 27/40 (2016.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF A FLAVOUR-ENHANCING COMPOSITION**
[54] **PROCEDE POUR LA FABRICATION D'UNE COMPOSITION D'AMELIORATION D'AROME**
[72] WOLFSCHOON-POMBO, ALAN, DE
[72] SPIEGEL, THOMAS, DE
[73] INTERCONTINENTAL GREAT BRANDS LLC, US
[85] 2019-09-12
[86] 2018-04-10 (PCT/IB2018/000416)
[87] (WO2018/189583)
[30] GB (1705846.2) 2017-04-11

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[51] **Int.Cl. A01K 1/03 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COUPLING RESPECTIVE HALVES OF A SMALL ANIMAL HABITAT**
[54] **SYSTEME ET METHODE POUR JOINDRE DES MOITIES RESPECTIVES D`UN PETIT HABITAT POUR ANIMAL**
[72] TAMULEWICZ, PAUL, US
[73] PETSMART HOME OFFICE, INC., US
[86] (3056673)
[87] (3056673)
[22] 2019-09-25
[30] US (62/737,583) 2018-09-27
[30] US (16/567,857) 2019-09-11

[11] **3,056,827**
[13] C
[51] **Int.Cl. E04B 2/42 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **PARTITION WALL SYSTEM HAVING AIR PURIFICATION FUNCTION AND METHOD FOR PURIFYING AIR**
[54] **SYSTEME DE PAROI DE SEPARATION PRESENTANT UNE FONCTION DE PURIFICATION D'AIR ET PROCEDE DE PURIFICATION D'AIR**
[72] TAN, DANJUN, CN
[72] WANG, PENGQI, CN
[72] HE, LIANG, CN
[72] WANG, YING, CN
[72] JIAN, MING, CN
[73] BEIJING NEW BUILDING MATERIALS PUBLIC LIMITED COMPANY, CN
[85] 2019-09-17
[86] 2018-03-08 (PCT/CN2018/078471)
[87] (WO2019/080435)
[30] CN (201710995121.8) 2017-10-23
[30] CN (201710995122.2) 2017-10-23
[30] CN (201710994192.6) 2017-10-23
[30] CN (201710995899.9) 2017-10-23

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[13] C
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[25] EN
[54] **WINDOW AIR CONDITIONER**
[54] **CONDITIONNEUR D'AIR DE FENETRE**
[72] LIANG, JIAWEN, CN
[72] LEI, ZHISHENG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2019-09-30
[86] 2019-09-04 (PCT/CN2019/104305)
[87] (WO2021/022603)
[30] CN (201921285940.4) 2019-08-08
[30] CN (201910731627.7) 2019-08-08

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[13] C
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **APPARATUS FOR DOWNHOLE FRACKING AND A METHOD THEREOF**
[54] **APPAREIL DE FRACTURATION EN FOND DE PUITS ET METHODE ASSOCIEE**
[72] KRATOCHVIL, ROBERT B., CA
[73] KEY COMPLETIONS INC., CA
[86] (3057652)
[87] (3057652)
[22] 2019-05-07
[62] 3,042,542

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[11] **3,057,819**
[13] C
[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **CAP ASSEMBLY FOR ENDOSCOPE**
[54] **ENSEMBLE CAPUCHON POUR ENDOSCOPE**
[72] EVELAND, RANDAL W., US
[72] ROBINSON, NANCY A., US
[72] LAZZARA, SARAH LYNN, US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2019-09-24
[86] 2018-03-21 (PCT/US2018/023498)
[87] (WO2018/183052)
[30] US (62/479,395) 2017-03-31
[30] US (15/868,250) 2018-01-11

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[13] C
[51] **Int.Cl. B01D 11/04 (2006.01) B01D 15/36 (2006.01) B03D 1/018 (2006.01) B03D 1/02 (2006.01) B03D 1/06 (2006.01) B03D 1/12 (2006.01) C02F 1/24 (2006.01)**
[25] EN
[54] **REMOVAL OF HYDROPHOBIC PARTICLES USING CARBON DIOXIDE**
[54] **ELIMINATION DE PARTICULES HYDROPHOBES A L'AIDE DE DIOXYDE DE CARBONE**
[72] RYAN, MICHAEL STEPHEN, US
[73] CIDRA CORPORATE SERVICES LLC, US
[85] 2019-09-26
[86] 2018-03-27 (PCT/US2018/024443)
[87] (WO2018/183244)
[30] US (62/477,126) 2017-03-27

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[11] **3,059,056**
[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A23L 29/10 (2016.01) A61K 36/185 (2006.01) A61K 47/06 (2006.01) A61K 47/40 (2006.01) A23L 33/105 (2016.01)**
[25] EN
[54] **DOSAGE DELIVERY FILM**
[54] **FILM D'ADMINISTRATION DE DOSAGE**
[72] CHISTOV, SERGEY Y., US
[73] SPARTAK LLC, US
[85] 2019-10-03
[86] 2018-05-07 (PCT/US2018/031398)
[87] (WO2018/222346)
[30] US (15/611,581) 2017-06-01

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[13] C
[51] **Int.Cl. F16G 1/28 (2006.01) F16G 1/10 (2006.01)**
[25] EN
[54] **SYNCHRONOUS BELT WITH UNIDIRECTIONAL FABRIC REINFORCEMENT**
[54] **COURROIE SYNCHRONE DOTEE D'UN RENFORT EN TISSU UNIDIRECTIONNEL**
[72] MCNAMEE, PATRICK JOSEPH, US
[72] ANYAOGU, KELECHI C., US
[73] GATES CORPORATION, US
[85] 2019-10-15
[86] 2018-04-27 (PCT/US2018/029941)
[87] (WO2018/201040)
[30] US (62/490,956) 2017-04-27

[11] **3,060,490**
[13] C
[51] **Int.Cl. H02J 3/02 (2006.01) B60L 53/20 (2019.01) H02J 1/00 (2006.01) H02M 7/797 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE POWER-HUB AND OPERATING MODES THEREOF**
[54] **CONCENTRATEUR D'ALIMENTATION DE VEHICULE ELECTRIQUE ET MODES DE FONCTIONNEMENT DE CELUI-CI**
[72] NASR, MIAD, CA
[72] TRESCASES, OLIVIER, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[73] ELEAPPOWER LTD., CA
[86] (3060490)
[87] (3060490)
[22] 2018-09-05
[62] 3,036,905
[30] US (62/554,263) 2017-09-05

[11] **3,061,308**
[13] C
[51] **Int.Cl. G02B 30/20 (2020.01) G02F 1/1677 (2019.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MICROSTRUCTURED MULTIBEAM ELEMENT BACKLIGHTING**
[54] **RETROECLAIRAGE A ELEMENT A FAISCEAUX MULTIPLES MICROSTRUCTURE**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LI, XUEJIAN, US
[73] LEIA INC., US
[85] 2019-10-23
[86] 2017-05-11 (PCT/US2017/032299)
[87] (WO2018/208309)

[11] **3,061,335**
[13] C
[51] **Int.Cl. C09J 123/08 (2006.01) C08L 23/08 (2006.01) C08L 53/00 (2006.01) C09J 123/12 (2006.01) C09J 123/14 (2006.01)**
[25] EN
[54] **HOT MELT ADHESIVE COMPOSITION**
[54] **COMPOSITION D'ADHESIF THERMOFUSIBLE**
[72] EICHLER-JOHNSON, BETH, US
[72] KAUFFMAN, THOMAS F., US
[72] WELTON, JAMES E., US
[72] MICHEL, ANDREW R., US
[73] H.B. FULLER COMPANY, US
[85] 2019-10-23
[86] 2018-05-22 (PCT/US2018/033885)
[87] (WO2018/217748)
[30] US (62/509,548) 2017-05-22

[11] **3,063,581**
[13] C
[51] **Int.Cl. E05B 49/02 (2006.01)**
[25] EN
[54] **ELECTRIC LOCK AND KEYPAD MODULE THEREOF**
[54] **VERROU ELECTRIQUE ET MODULE A CLAVIER NUMERIQUE CONNEXE**
[72] HUANG, FU-CHIH, CN
[73] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN
[86] (3063581)
[87] (3063581)
[22] 2019-12-03
[30] TW (108207810) 2019-06-19

[11] **3,064,302**
[13] C
[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION AND RELATED PRODUCT**
[54] **TRANSMISSION DE DONNEES ET PRODUIT ASSOCIE**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-20
[86] 2017-06-15 (PCT/CN2017/088527)
[87] (WO2018/227512)

[11] **3,064,564**
[13] C
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 31/4745 (2006.01) A61K 47/30 (2006.01)**
[25] EN
[54] **PARTICLE AND PHARMACEUTICAL COMPOSITION COMPRISING AN INSOLUBLE CAMPTOTHECIN COMPOUND WITH DOUBLE CORE-SHELL STRUCTURE AND METHOD FOR MANUFACTURING THE SAME**
[54] **PARTICULE ET COMPOSITION PHARMACEUTIQUE COMPRENANT UN COMPOSE DE CAMPTOTHECINE INSOLUBLE AYANT UNE DOUBLE STRUCTURE C□UR-COQUE ET SON PROCEDE DE FABRICATION**
[72] PARK, YOUNG HWAN, KR
[72] LEE, IL HYUN, KR
[73] SNBIOSCIENCE INC., KR
[85] 2019-11-21
[86] 2018-06-22 (PCT/KR2018/007114)
[87] (WO2018/236190)
[30] KR (10-2017-0079354) 2017-06-22

[11] **3,064,650**
[13] C
[51] **Int.Cl. F15B 3/00 (2006.01)**
[25] EN
[54] **HYDRAULIC PRESSURE CONVERTER WITH MODULAR FORCE MULTIPLIER FOR DOWNHOLE TOOLS**
[54] **CONVERTISSEUR DE PRESSION HYDRAULIQUE AVEC MULTIPLICATEUR DE FORCE MODULAIRE POUR OUTILS DE FOND DE PUITS**
[72] HRUPP, JOZE J., US
[72] SAEED, AHMED M., US
[73] EXACTA-FRAC ENERGY SERVICES, INC., US
[86] (3064650)
[87] (3064650)
[22] 2019-12-11

[11] **3,064,858**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/124 (2006.01)**
[25] EN
[54] **PRE-SET INHIBITING EXTRUSION LIMITER FOR RETRIEVABLE PACKERS**
[54] **LIMITEUR PRECONFIGURE D'INHIBITION DE L'EXTRUSION POUR PACKERS RECUPERABLES**
[72] SAEED, AHMED M., US
[73] EXACTA-FRAC ENERGY SERVICES, INC., US
[86] (3064858)
[87] (3064858)
[22] 2019-12-12
[30] US (16/600,956) 2019-10-14

[11] **3,065,017**
[13] C
[51] **Int.Cl. E03C 1/06 (2006.01) A47K 3/28 (2006.01) E03C 1/02 (2006.01)**
[25] EN
[54] **DOUBLE SHOWER DEVICE**
[54] **DISPOSITIF DE DOUCHE DOUBLE**
[72] TZENG, RONG-CHYAN, CN
[73] NCIP INC., CN
[86] (3065017)
[87] (3065017)
[22] 2019-12-12

[11] **3,065,136**
[13] C
[51] **Int.Cl. C22C 21/10 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH ALUMINIUM-BASED ALLOY**
[54] **ALLIAGE HAUTEMENT RESISTANT A BASE D'ALUMINIUM**
[72] MANN, VIKTOR KHRIST'YANOVICH, RU
[72] ALABIN, ALEKSANDR NIKOLAEVICH, RU
[72] KROKHIN, ALEKSANDR YUR'EVICH, RU
[72] FROLOV, ANTON VALER'EVICH, RU
[72] EFIMOV, KONSTANTIN VAS'LIEVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2019-10-24
[86] 2017-05-30 (PCT/RU2017/000367)
[87] (WO2018/222065)

[11] **3,066,083**
[13] C
[51] **Int.Cl. C07D 401/12 (2006.01) A23L 33/10 (2016.01) A61K 31/18 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **N2,N4-DIPHENYLPYRIMIDINE-2,4-DIAMINE DERIVATIVE, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTION OR TREATMENT OF CANCER**
[54] **DERIVE DE N2,N4-DIPHENYLPYRIMIDINE-2,4-DIAMINE, SON PROCEDE DE PREPARATION, ET COMPOSITION PHARMACEUTIQUE LE CONTENANT COMME PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DU CANCER**
[72] LEE, KWANGHO, KR
[72] SHIN, INJI, KR
[72] CHOI, GILDON, KR
[72] CHAE, CHONG HAK, KR
[72] CHOE, HYEON JEONG, KR
[72] JUNG, MYOUNG EUN, KR
[72] JEON, BYEONG UK, KR
[72] CHO, BYOUNG CHUL, KR
[72] PARK, CHAE WON, KR
[72] KIM, HWAN, KR
[72] DUGGIRALA, KRISHNA BABU, KR
[73] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[85] 2019-12-03
[86] 2018-06-12 (PCT/KR2018/006644)
[87] (WO2018/230934)
[30] KR (10-2017-0073907) 2017-06-13
[30] KR (10-2017-0146241) 2017-11-03

[11] **3,066,690**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **TRANSMISSION CONFIGURATION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE CONFIGURATION DE TRANSMISSION ET PROCEDE ASSOCIE**
[72] SHI, ZHIHUA, CN
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2018-01-12 (PCT/CN2018/072513)
[87] (WO2019/136728)

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[11] **3,067,293**
[13] C
[51] **Int.Cl. B61B 12/06 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A CABLEWAY**
[54] **PROCEDE POUR FAIRE FONCTIONNER UN TELEPHERIQUE**
[72] PFEIFER, DANIEL, AT
[72] BERDNIK, ALEXANDER, AT
[72] GISINGER, STEFAN, AT
[72] FEHLE, MARKUS, AT
[73] INNOVA PATENT GMBH, AT
[85] 2019-12-13
[86] 2018-06-11 (PCT/EP2018/065286)
[87] (WO2018/228971)
[30] AT (A50495/2017) 2017-06-13

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[11] **3,067,324**
[13] C
[51] **Int.Cl. E02F 3/02 (2006.01) A01B 1/04 (2006.01) B25F 1/00 (2006.01) E01H 5/02 (2006.01)**
[25] EN
[54] **SHOVEL WITH BASE**
[54] **PELLE AVEC PIED**
[72] GALEA, SONNY S., CA
[73] GALEA, SONNY S., CA
[86] (3067324)
[87] (3067324)
[22] 2020-01-08
[30] US (62/791,094) 2019-01-11

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[11] **3,067,444**
[13] C
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **DOSING SYSTEM FOR A NEBULIZER**
[54] **SYSTEME DE DOSAGE POUR UN NEBULISEUR**
[72] GOODWIN, PAUL, GB
[72] MELINIOTIS, ANDREAS MARK, GB
[72] CLARKE, ROGER WILLIAM, GB
[72] KOLB, TOBIAS, DE
[73] VECTURA DELIVERY DEVICES LIMITED, GB
[85] 2019-12-16
[86] 2018-06-19 (PCT/EP2018/066296)
[87] (WO2018/234324)
[30] EP (17177225.4) 2017-06-21

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[11] **3,067,467**
[13] C
[51] **Int.Cl. G01P 5/24 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING A SPEED OF A FLUID**
[54] **PROCEDE DE MESURE D'UNE VITESSE D'UN FLUIDE**
[72] TEBOULLE, HENRI, FR
[73] SAGEMCOM ENERGY & TELECOM SAS, FR
[85] 2019-12-16
[86] 2018-06-22 (PCT/EP2018/066810)
[87] (WO2019/002145)
[30] FR (1755910) 2017-06-27

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[11] **3,068,277**
[13] C
[51] **Int.Cl. A61C 17/22 (2006.01)**
[25] EN
[54] **REFILL FOR ELECTRIC TOOTHBRUSH**
[54] **RECHARGE POUR BROSSE A DENTS ELECTRIQUE**
[72] FRITSCH, THOMAS, DE
[72] UTSCH, JOERN, DE
[72] NEUSSER, IRINA, DE
[73] BRAUN GMBH, DE
[85] 2019-12-20
[86] 2018-06-22 (PCT/US2018/038959)
[87] (WO2019/005604)
[30] US (62/525,657) 2017-06-27

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[13] C
[51] **Int.Cl. A61C 17/22 (2006.01)**
[25] EN
[54] **ELECTRIC TOOTHBRUSH**
[54] **BROSSE A DENTS ELECTRIQUE**
[72] FRITSCH, THOMAS, DE
[72] UTSCH, JOERN, DE
[72] NEUSSER, IRINA, DE
[73] BRAUN GMBH, DE
[85] 2019-12-20
[86] 2018-06-22 (PCT/US2018/038960)
[87] (WO2019/005605)
[30] US (62/525,660) 2017-06-27

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[13] C
[51] **Int.Cl. E05C 19/18 (2006.01) E06B 3/36 (2006.01)**
[25] EN
[54] **DOOR SECURITY DEVICE**
[54] **DISPOSITIF DE SECURITE POUR PORTE**
[72] TAYLOR, JOSEPH CURTIS, US
[72] TAYLOR, JACK, US
[73] TAYLOR, JOSEPH CURTIS, US
[73] TAYLOR, JACK, US
[85] 2019-12-20
[86] 2018-06-29 (PCT/US2018/040248)
[87] (WO2019/006274)
[30] US (62/527,393) 2017-06-30
[30] US (15/668,133) 2017-08-03

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[13] C
[51] **Int.Cl. H04L 9/06 (2006.01)**
[25] EN
[54] **WITNESS BLOCKS IN BLOCKCHAIN APPLICATIONS**
[54] **BLOCS TEMOINS DANS DES APPLICATIONS DE CHAINE DE BLOCS**
[72] SCOTT, GLENN, US
[72] GABRIEL, MICHAEL R., US
[73] INTUIT INC., US
[85] 2019-12-20
[86] 2018-09-24 (PCT/US2018/052344)
[87] (WO2019/083658)
[30] US (15/791,531) 2017-10-24

[11] **3,068,750**
[13] C
[51] **Int.Cl. B61B 12/06 (2006.01) B61B 12/00 (2006.01)**
[25] EN
[54] **CABLE CAR AND METHOD FOR OPERATING A CABLE CAR**
[54] **TELEPHERIQUE ET PROCEDE POUR FAIRE FONCTIONNER UN TELEPHERIQUE**
[72] HOFMAYR, CHRISTOPH, AT
[72] PFEIFER, DANIEL, AT
[73] INNOVA PATENT GMBH, AT
[85] 2019-12-31
[86] 2018-07-02 (PCT/EP2018/067744)
[87] (WO2019/007870)
[30] AT (A50550/2017) 2017-07-04

[11] **3,069,025**
[13] C
[51] **Int.Cl. F24F 11/64 (2018.01) F24F 11/00 (2018.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM AND PRESSURE RATIO CONTROL METHOD AND DEVICE THEREOF**
[54] **SYSTEME DE CLIMATISATION ET SON PROCEDE ET SON DISPOSITIF DE CONTROLE DE RAPPORT DE PRESSION**
[72] MA, XIHUA, CN
[72] XU, YONGFENG, CN
[72] XIONG, MEIBING, CN
[72] REN, LINXING, CN
[73] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2020-01-06
[86] 2017-10-24 (PCT/CN2017/107493)
[87] (WO2019/071654)
[30] CN (201710946020.1) 2017-10-12

[11] **3,069,899**
[13] C
[51] **Int.Cl. G01N 27/72 (2006.01) C21D 1/54 (2006.01) C21D 1/84 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN SENSORS**
[54] **PERFECTIONNEMENTS APPORTES A DES DETECTEURS**
[72] PEYTON, ANTHONY JOSEPH, GB
[72] YIN, WULIANG, GB
[72] DICKINSON, STEPHEN JOHN, GB
[73] THE UNIVERSITY OF MANCHESTER, GB
[86] (3069899)
[87] (3069899)
[22] 2012-04-27
[62] 2,871,131
[30] GB (1107064.6) 2011-04-27

[11] **3,071,377**
[13] C
[51] **Int.Cl. A61K 31/4425 (2006.01) A61K 31/4178 (2006.01) A61P 21/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING MUSCLE WEAKNESS IN PATIENTS SUFFERING FROM MYASTHENIA GRAVIS AND OTHER MYASTHENIC SYNDROMES**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER UNE FAIBLESSE DANS LES MUSCLES DES PATIENTS SOUFFRANT DE MYASTHENIE GRAVE ET D'AUTRES SYNDROMES DE MYASTHENIE**
[72] CLARENCE-SMITH, KATHLEEN E., US
[73] DAS-MG, INC., US
[85] 2020-01-28
[86] 2018-01-08 (PCT/US2018/012754)
[87] (WO2018/129434)
[30] US (62/443,904) 2017-01-09

[11] **3,075,624**
[13] C
[51] **Int.Cl. A23J 3/22 (2006.01) A23L 19/12 (2016.01) A23L 29/262 (2016.01) A23L 33/105 (2016.01) A23J 1/00 (2006.01) A23J 1/16 (2006.01) A23J 3/14 (2006.01) A23J 3/28 (2006.01)**
[25] EN
[54] **POTATO PROTEIN BASED FIBROUS STRUCTURES AND FOOD ITEMS COMPRISING THE SAME**
[54] **STRUCTURES FIBREUSES A BASE DE PROTEINES DE POMME DE TERRE ET PRODUITS ALIMENTAIRES COMPRENANT CELLES-CI**
[72] ZHU, SICONG, NL
[72] PHAN, VAN ANH, NL
[72] LAUS, MARC CHRISTIAAN, NL
[73] COOPERATIE AVEBE U.A., NL
[85] 2020-03-11
[86] 2018-10-31 (PCT/NL2018/050726)
[87] (WO2019/088834)
[30] EP (17199381.9) 2017-10-31

[11] **3,078,599**
[13] C
[51] **Int.Cl. C10M 169/06 (2006.01) C10M 115/04 (2006.01) C10M 115/10 (2006.01) C10M 117/08 (2006.01) C10M 125/10 (2006.01) C10M 129/40 (2006.01) C10M 159/06 (2006.01) C23C 26/00 (2006.01) C23C 28/00 (2006.01) F16L 15/04 (2006.01)**
[25] EN
[54] **COMPOSITION, AND THREADED CONNECTION FOR PIPES OR TUBES INCLUDING LUBRICANT COATING LAYER FORMED FROM THE COMPOSITION**
[54] **COMPOSITION ET JOINT FILETE POUR TUYAUX POURVU D'UNE COUCHE DE FILM DE REVETEMENT LUBRIFIANT QUI EST FORMEE A PARTIR DE LADITE COMPOSITION**
[72] GOTO, KUNIO, JP
[73] NIPPON STEEL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2020-04-06
[86] 2018-10-12 (PCT/JP2018/038095)
[87] (WO2019/074097)
[30] JP (2017-199015) 2017-10-13

[11] **3,078,959**
[13] C
[51] **Int.Cl. A61F 13/28 (2006.01) A61F 13/26 (2006.01)**
[25] EN
[54] **SELF-LUBRICATING TAMPON APPLICATOR**
[54] **APPLICATEUR DE TAMPON AUTO-LUBRIFIANT**
[72] LUND, LACEY JANELL, US
[73] LUND, LACEY JANELL, US
[85] 2020-04-09
[86] 2018-05-30 (PCT/US2018/035121)
[87] (WO2019/074550)
[30] US (15/730,840) 2017-10-12

[11] **3,080,655**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) B65G 1/137 (2006.01) B65G 47/68 (2006.01) B65G 47/70 (2006.01)**
[25] FR
[54] **PROCESS FOR HANDLING A COMMAND LIST IN A COMMAND PREPARATION SYSTEM, AND CORRESPONDING COMMAND PREPARATION SYSTEM**
[54] **PROCEDE DE TRAITEMENT D'UNE LISTE DE COMMANDES DANS UN SYSTEME DE PREPARATION DE COMMANDES, ET SYSTEME DE PREPARATION DE COMMANDES CORRESPONDANT**
[72] PIETROWICZ, STEPHANE, FR
[73] SAVOYE, FR
[86] (3080655)
[87] (3080655)
[22] 2020-05-13
[30] FR (1905411) 2019-05-23

[11] **3,082,723**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47JV**
[54] **MAIS AUTOGAME PH47JV**
[72] MICKELSON, SUZANNE MICHELLE, US
[72] SEVERNS, DINA ELIJAH, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082723)
[87] (3082723)
[22] 2020-06-10
[30] US (16/441,168) 2019-06-14

[11] **3,082,992**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48KC**
[54] **MAIS AUTOGAME PH48KC**
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **APPAREIL ET METHODES SERVANT A OBTURER UNE PONCTION VASCULAIRE**
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[72] UCHIDA, ANDY H., US
[72] ZILVERSMIT, MOSHE, US
[72] FISCELLA, DAVID L., US
[72] FELL, BRANDON, US
[72] KU, VINCENT, US
[72] GUYER, CURT, US
[72] REPP, RICHARD, US
[72] SPONSEL, MARK, US
[73] ACCESSCLOSURE, INC., US
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[54] **AUTOCLAVE ET METHODE D'EXTRACTION DU SEL DE L'AUTOCLAVE**
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[73] KOREA ZINC CO., LTD., KR
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[54] **POUDRE SECHE DE MEDECINE TRADITIONNELLE CHINOISE INSTANTANEE POUR DECOCTION ET PROCEDE DE FABRICATION ET UTILISATION DE LADITE POUDRE**
[72] DU, WENMIN, CA
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[54] **SYSTEMS, METHODS, AND APPARATUS FOR DRAWING CHEMICAL STRUCTURES USING TOUCH AND GESTURES**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR DESSINER DES STRUCTURES CHIMIQUES AU MOYEN DE CONTACTS ET DE GESTES**
[72] SMITH, ROBIN YOUNG, US
[72] FLICKER, SCOTT GREGORY, US
[72] OBERLIN, DANIEL MALCOLM, US
[72] SMELLIE, ANDREW, US
[73] PERKINELMER INFORMATICS, INC., US
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[54] **METHOD AND SYSTEM FOR OPERATING A HIGH RECOVERY SEPARATION PROCESS**
[54] **PROCEDE ET SYSTEME DE FONCTIONNEMENT D'UN PROCESSUS DE SEPARATION A RECUPERATION ELEVEE**
[72] OKLEJAS, ELI, JR., US
[73] FLUID EQUIPMENT DEVELOPMENT COMPANY, LLC, US
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[54] **DEEP-THROAT SAWHEAD ASSEMBLY AND KIT THEREOF**
[54] **ENSEMBLE DE TETE D`ABATTAGE A CHAINE COUPANTE A GORGE PROFONDE ET SA TROUSSE**
[72] DALE, ASHLYNNE, CA
[72] CABRIT, SEBASTIEN, CA
[73] NORWOOD INDUSTRIES INC., CA
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[54] **METHOD FOR PREPARING CANNABINOIDS**
[54] **METHODE DE PREPARATION DE CANNABINOIDES**
[72] WANG, HENG-YEN, TW
[72] LI, FENG-HSU, TW
[72] YANG, ZHI-JIE, TW
[72] HUANG, HSIN-YI, TW
[73] SCI PHARMTECH INC., TW
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[54] **DISPOSITIF DE DETERMINATION D'ETAT DE DEGRADATION ET PROCEDE DE DETERMINATION D'ETAT DE DEGRADATION**
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[72] SHOJI, HIDEKI, JP
[73] TOYO SYSTEM CO., LTD., JP
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[54] **MDCT-BASED COMPLEX PREDICTION STEREO CODING**
[54] **CODAGE STEREO A PREDICTION COMPLEXE A BASE DE MDCT**
[72] PURNHAGEN, HEIKO, SE
[72] CARLSSON, PONTUS, SE
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
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[54] **SYSTEME D'ANALYSE DE LA PAROLE**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS CORP., JP
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[54] **PLATE-FORME DE REGISTRE DISTRIBUE POUR APPLICATIONS INFORMATIQUES**
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[72] WHITE, CRAIG, CA
[72] PALMER, SCOTT, CA
[72] BELME, FRANK, CA
[72] LI, STEPHEN, CA
[72] SACEANU, CRISTIAN, CA
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[54] **METHOD AND SYSTEM FOR INSPECTION OF RAILWAY TRACKS**
[54] **PROCEDE ET SYSTEME D'INSPECTION DE VOIES FERREES**
[72] TAYS, DWIGHT, CA
[72] LILLEY, DAVID, CA
[72] ABBOTT, BRIAN, CA
[73] CANADIAN NATIONAL RAILWAY COMPANY, CA
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[54] **DETERMINING AND REMEDYING AUDIO QUALITY ISSUES IN A VOICE COMMUNICATION**
[54] **DETERMINATION ET CORRECTION DE PROBLEMES DE QUALITE AUDIO DANS UNE COMMUNICATION VOCALE**
[72] SUBRAMANYAM, SRIVIDYA G., US
[72] MCDONALD, DANIEL J., US
[73] MOTOROLA SOLUTIONS, INC., US
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[54] **PLUMBING CONTROL SYSTEM, METHOD, AND APPARATUS FOR PREVENTING REPEATED USE OF AN APPLIANCE WITH FEEDBACK**
[54] **SYSTEME, PROCEDE ET APPAREIL DE COMMANDE DE PLOMBERIE POUR EMPECHER L'UTILISATION REPETEE D'UN DISPOSITIF AVEC RETROACTION**
[72] ALLARD, ROCK R., III, US
[73] SDB IP HOLDINGS, LLC, US
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[54] **TRANSPORT DEVICE WITH AN INNER CONTAINER**
[54] **DISPOSITIF DE TRANSPORT AVEC UN RECIPIENT INTERNE**
[72] LICHTENBERG, JAN, CH
[72] FREY, OLIVIER, CH
[72] MORITZ, WOLFGANG, CH
[72] FLURI, DAVID, CH
[73] INSPHERO AG, CH
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[54] **UNITE DE REPONSE D'URGENCE MOBILE A ENCEINTE**
[72] SHULTZ, ADAM B., US
[72] STRINGER, ROBERT D., US
[73] ENVIRO-SAFETY SOLUTIONS INC., US
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[54] **MODULAR STORAGE CONTAINER**
[54] **RECIPIENT DE STOCKAGE MODULAIRE**
[72] WORKMAN, JEANNE, US
[73] WORKMAN, JEANNE, US
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[54] **AUTORISATION AVEC UN CERTIFICAT PRECHARGE**
[72] SCHIATTARELLA, ENRICO, US
[72] JAIN, VIPIN, US
[72] GADDE, RAVI KUMAR, US
[73] PENSANDO SYSTEMS INC., US
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[54] **MASQUE DE PROTECTION TUEUR DE VIRUS**
[72] SAMAKI, SOUFIANE, CA
[71] SAMAKI, SOUFIANE, CA
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[25] EN
[54] **METHOD OF PROVIDING TARGETED ADVERTISEMENT BASED ON REAL-TIME VIDEO ANALYSIS AND APPARATUS THEREFOR**
[54] **PROCEDE PERMETTANT DE FOURNIR DE LA PUBLICITE CIBLEE EN FONCTION D`UNE ANALYSE VIDEO EN TEMPS REEL ET APPAREIL CONNEXE**
[72] BERTRAND, OLIVIER, CA
[71] ELUMICATE INC., CA
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[25] FR
[54] **SYSTEM AND PROCESS FOR ELECTRICITY PRODUCTION AND STORAGE**
[54] **SYSTEME ET PROCEDE DE STOCKAGE ET DE PRODUCTION D'ELECTRICITE**
[72] NESREDDINE, HAKIM, CA
[72] HOULACHI, GEORGES, CA
[72] MARYNOWSKI, TOM, CA
[72] VILLEMURE, CLAUDE, CA
[71] HYDRO-QUEBEC, CA
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[54] **DISPOSITIF DESTINE A FIXER DES FENETRES ET DES PORTES COULISSANTES A POSITION OUVERTE**
[72] BROWN, KENNETH M., CA
[72] WOO, RANDAL G., CA
[71] LASERSEED INC., CA
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[54] **INTELLIGENCE GEOSPATIALE UTILISANT LA TECHNOLOGIE DE VERIFICATION ET LES NOMBRES MINIMUMS DEMOGRAPHIQUES**
[72] RAHMAN, SARA H., CA
[72] AMAN, ABDULLAH, CA
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[54] **FLUID MIXING VALVE BODY ASSEMBLY**
[54] **BOITIER DE VANNES DE MELANGE DE FLUIDES**
[72] TZENG, RONG-CHYAN, TW
[71] NCIP INC., CN
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[54] **MASQUE SANS COURROIES POUR UNE UTILISATION DANS DES SITUATIONS IMPLIQUANT UN CONTACT ETROIT**
[72] DJUKASTEIN, ERIK, CA
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[54] **TRANSMISSION DE BICYCLETTE**
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[54] **COUSSINET DE SOUS-COUCHE A COUCHES MULTIPLES A UTILISER SOUS LES SURFACES DE TERRAINS DE SPORTS**
[72] KARR, JOHN, US
[71] TURF CUSHION INC, US
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[54] **DIFFUSION MEDIA DECENTRALISEE EVOLUTIVE**
[72] WARKENTIN, CHRIS ERIC, CA
[72] HOU, JONATHAN CHAPMAN, CA
[72] TURZO, ROBERT, CA
[72] MADGETT, THOMAS, CA
[72] VELIKZHANIN, YURY, CA
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[54] **ENSEMBLE ECRAN FACIAL A VISIERE**
[72] WANKE, JAMES R., CA
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[54] **POWER TAKE OFF SHAFT ASSEMBLY AND MOBILE SWING AUGER ATTACHMENT**
[54] **ENSEMBLE ARBRE DE PRISE DE FORCE ET SYSTEME A VIS SANS FIN BASCULANTE MOBILE**
[72] DIACHYSHYN, PAUL P., CA
[72] DIACHYSHYN, PAUL W., CA
[72] DIACHYSHYN, MICHAEL P., CA
[71] DIACHYSHYN, PAUL P., CA
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[54] **DISPOSITIF DE VAPORISATEUR DESINFECTANT POUR TISSUS ANTIVIRAL**
[72] EZEANIEKWE, REGINALD, CA
[71] EZEANIEKWE, REGINALD, CA
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[54] **WATER SPRAY GUN FOR CONTROL OF OUTFLOW OF WATER AND ADJUSTMENT OF OUTFLOW**
[54] **PISTOLET A EAU POUR LE CONTROLE DU DEBIT SORTANT ET LE REGLAGE DU DEBIT SORTANT**
[72] CHENG, CHI-HAN, CN
[71] YUAN MEI CORP., CN
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[54] **RESPIRATEUR D`ISOLEMENT ENVIRONNEMENTAL PERSONNEL**
[72] ONGARO, IVANO, CA
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[54] **MORCELLATEUR HYSTEROSCOPIQUE**
[72] NORRIS, KEVIN, CA
[71] HYSMOR, INC., CA
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[54] **PUMP REFLECTORS FOR CLADDING-PUMPED OPTICAL FIBER SYSTEMS**
[54] **REFLECTEURS POUR POMPE POUR SYSTEMES A FIBRES OPTIQUES A POMPAGE PAR LA GAINE**
[72] BERNIER, MARTIN, CA
[72] TALBOT, LAURIS, CA
[71] UNIVERSITE LAVAL, CA
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING IDENTITY DATA TO A POINT OF SALE TERMINAL**
[54] **SYSTEMES ET METHODES DE TRANSMISSION DE RENSEIGNEMENTS SUR L`IDENTITE A UN TERMINAL DE POINT DE VENTE**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **INTEGRATED FILTER REMOTE GAS CORRELATION SENSOR**
[54] **TELECAPTEUR A CORRELATION DE GAZ A FILTRE INTEGRE**
[72] CHERITON, ROSS, CA
[72] JANZ, SIEGFRIED, CA
[72] DENSMORE, ADAM, CA
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[54] **SYSTEM AND METHOD OF ORDER FULFILLMENT TO NONEXCLUSIVE DELIVERY LOCATIONS USING CUSTOMER LOCATION TRACKING**
[54] **SYSTEME ET METHODE D`EXECUTION DES COMMANDES VERS DES POINTS DE LIVRAISON NON EXCLUSIFS A L`AIDE DU REPERAGE DES POINTS DE SERVICE A LA CLIENTELE**
[72] NAGY, DANIEL, CA
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[25] EN
[54] **VIRAL INFECTION DETECTING DEVICE AND METHOD FOR HUMANS OR ANIMALS BY ULTRA VIOLET MOLECULAR MICRO-SPECTROMETIC STATISTICAL ARRAY**
[54] **DISPOSITIF ET METHODE DE DETECTION D`INFECTION VIRALE CHEZ LES HUMAINS OU LES ANIMAUX PAR RESEAU STATISTIQUE MICRO-SPECTROMETRIQUE MOLECULAIRE ULTRAVIOLET**
[72] DUARTE BENITEZ, CARLOS JOAQUIN, CA
[71] DUARTE BENITEZ, CARLOS JOAQUIN, CA
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[54] **SECTIONAL TILE CHUTE**
[54] **CHUTE A BARDEAUX SECTIONNEL**
[72] COULOMBE, FREDERIC, CA
[71] COULOMBE, FREDERIC, CA
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[54] **PORTABLE DIAGNOSTIC TOOL FOR A DRIVE CONTROLLER OF A POWER-ACTUATED WORKSTATION**
[54] **OUTIL DE DIAGNOSTIC PORTABLE POUR CONTROLEUR DE LECTEUR D`UN POSTE DE TRAVAIL A COMMANDE ELECTRIQUE**
[72] DESROCHES, LEON, CA
[71] DESROCHES, LEON, CA
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[54] **APPARATUS AND METHOD FOR FABRICATING LAMINATED WOOD PRODUCTS**
[54] **APPAREIL ET METHODE DE FABRICATION DE PRODUITS EN BOIS LAMELLE**
[72] HASS, RUSSELL GORDON, US
[72] OGDEN, KARL, US
[71] RFSPROTECH, LLC, US
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[25] EN
[54] **METHOD AND DEVICE TO ALLOW ANTISEPTIC PROXIMITY SEATING**
[54] **METHODE ET DISPOSITIF PERMETTANT L'ATTRIBUTION DE SIEGES A PROXIMITE DANS UN ENVIRONNEMENT STERILE**
[72] VASILESCU, GABRIEL, CA
[72] POPA-SIMIL, VICTOR, US
[72] POPA-SIMIL, ANDREI, US
[72] POPA-SIMIL, IOANA LIVIA, US
[72] POPA-SIMIL, LIVIU, US
[72] BOBOC, ADRIAN, RO
[72] HARANGOZO, ARPAD, RO
[71] VASILESCU, GABRIEL, CA
[71] POPA-SIMIL, VICTOR, US
[71] POPA-SIMIL, ANDREI, US
[71] POPA-SIMIL, IOANA LIVIA, US
[71] POPA-SIMIL, LIVIU, US
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[25] EN
[54] **COMPOSITE SUBSTRATE, METAL-COATED COMPOSITE SUBSTRATE, AND METHODS OF PRODUCTION THEROF**
[54] **SUBSTRAT COMPOSITE, SUBSTRAT COMPOSITE METALLIQUE ET PROCEDES DE FABRICATION CONNEXES**
[72] HOJJATI, MEHDI, CA
[72] RAHIMI, ALIREZA, CA
[72] MOREAU, CHRISTIAN, CA
[72] DOLATABADI, ALI, CA
[71] VALORBEC, SOCIETE EN COMMANDITE, CA
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[54] **OVERHEAD DOOR FRAME ASSEMBLY**
[54] **ENSEMBLE CADRE DE PORTE BASCULANTE**
[72] SCHWEISS, MICHAEL L., US
[71] SORREL QUARTERS, LLC, US
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[54] **MOBILE MARKETING COMMUNICATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE COMMUNICATIONS COMMERCIALES MOBILES**
[72] BROOKS, AARON JOSEPH, US
[71] BROOKS, AARON JOSEPH, US
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[54] **STABILIZER FOR INHIBITING SUCKER ROD BUCKLING DURING COMPRESSION MOMENTS IN ARTIFICIAL LIFT WELLS**
[54] **STABILISATEUR POUR INHIBER LE GAUCHISSEMENT DE LA TIGE DE POMPAGE LORS DES PERIODES DE COMPRESSION DANS LES PUITS D`ASCENSEUR ARTIFICIELS**
[72] MARTIN, JONATHAN R., US
[71] BLACK MAMBA ROD LIFT COMPANY, US
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[54] **SYSTEMS AND METHODS OF CORRELATING DATABASE ENTRIES FOR AUTOMATED METRIC COMPUTATION**
[54] **SYSTEMES ET METHODES DE CORRELATION D`ENTREES DE BASE DE DONNEES POUR UN CALCUL METRIQUE AUTOMATISE**
[72] FILIOS, STEPHEN, US
[72] AHLSTROM, LOGAN SOMMERS, US
[72] DIGILIO, KATIE MARIE, US
[72] TAPPETA VENKATA, RAVINDRA REDDY, US
[72] HAINS, ERIC JOHN, US
[71] THE TORONTO-DOMINION BANK, CA
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[54] **APPARATUSES AND METHODS FOR DATA CLEARANCE TRAVERSAL**
[54] **APPAREILS ET PROCEDES DE PARCOURS DES DONNEES DANS L`ESPACE LIBRE**
[72] MAENG, JOON, US
[72] RAMANATHAN, RAMANATHAN, US
[72] ARBADJIAN, PIERRE, US
[72] GARNER, ANDREW J., IV, US
[72] YARLAGADDA, RAMESH, US
[72] RAO, ABHIJIT, US
[72] SANDERS, ADAM, US
[71] THE TORONTO-DOMINION BANK, CA
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[54] **COMPOSITION FOR THE ENHENCER POWDER**
[54] **COMPOSITION POUR POUDRE EXHAUSTRICE**
[72] NORIEGA, GUSTAVO, CA
[71] NORIEGA, GUSTAVO, CA
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[54] **APPARATUSES AND METHODS FOR IMPROVED DATA PRIVACY**
[54] **APPAREILS ET METHODES POUR AMELIORER LA CONFIDENTIALITE DES DONNEES**
[72] RAMANATHAN, RAMANATHAN, US
[72] ARBADJIAN, PIERRE, US
[72] GARNER, ANDREW J., IV, US
[72] YARLAGADDA, RAMESH, US
[72] RAO, ABHIJIT, US
[72] MAENG, JOON, US
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[54] **ADDITIVELY MANUFACTURED SATELLITE**
[54] **SATELLITE DE FABRICATION ADDITIVE**
[72] ASTON, RICHARD W., US
[72] JOE, CHRISTOPHER DAVID, US
[72] HASTINGS, NICOLE MARIE, US
[72] SCHOEBORN, NICOLE DIANE, US
[72] ZILZ, RACHEL ELIZABETH, US
[72] SHARMA, ARJUN, US
[71] THE BOEING COMPANY, US
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[54] **APPARATUSES AND METHODS FOR REGULATION OFFENDING MODEL PREVENTION**
[54] **APPAREILS ET METHODES DE PREVENTION DES MODELES CONTREVENANTS A LA REGLEMENTATION**
[72] YARLAGADDA, RAMESH, US
[72] ARBADJIAN, PIERRE, US
[72] MAENG, JOON, US
[72] RAO, ABHIJIT, US
[72] GARNER IV, ANDREW J., US
[72] RAMANATHAN, RAMANATHAN, US
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[25] EN
[54] **AIR PURIFYING DEVICE, ARRANGEMENT AND METHOD FOR SEPARATING MATERIALS FROM A GAS FLOW**
[54] **DISPOSITIF DE PURIFICATION D`AIR, DISPOSITION ET METHODE DE SEPARATION DE MATERIAUX DEPUIS UN ECOULEMENT GAZEUX**
[72] TULKKI, JUHANI, FI
[71] GENANO OY, FI
[22] 2021-02-24
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[54] **BEAM STEERING FOR LASER ULTRASONIC INSPECTION SYSTEMS**
[54] **COMMANDE DE FAISCEAU POUR SYSTEMES DE CONTROLE PAR ULTRASONS LASER**
[72] SAFAI, MORTEZA, US
[71] THE BOEING COMPANY, US
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[25] EN
[54] **FABRICATING A SILICON CARBIDE AND NITRIDE STRUCTURES ON A CARRIER SUBSTRATE**
[54] **FABRICATION D`UNE STRUCTURE A BASE DE CARBURE DE SILICIUM ET DE NITRURE SUR UN SUBSTRAT PORTEUR**
[72] WHITELEY, SAMUEL J., US
[72] YAP, DANIEL, US
[72] CHEN, EDWARD H., US
[72] KIM, DANNY M., US
[72] LADD, THADDEUS D., US
[71] THE BOEING COMPANY, US
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[54] **SENSOR SYSTEM FOR DETECTING ELEMENTS OF A CROP FLOW**
[54] **SYSTEME DE CAPTEUR POUR LA DETECTION D`ELEMENTS D`UN FLUX DE RECOLTE**
[72] NEITEMEIER, DENNIS, DE
[72] BAUMGARTEN, JOACHIM, DE
[72] WILKEN, ANDREAS, DE
[72] BORMANN, BASTIAN, DE
[72] WITTE, JOHANN, DE
[71] CLAAS SELBSTFAHRENDE ERNTEMASCHINEN GMBH, DE
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[54] **THERMAL CONTROL SYSTEMS FOR AIRCRAFT LANDING GEAR WHEEL WELLS AND RELATED METHODS**
[54] **SYSTEMES DE REGULATION THERMIQUE POUR PASSAGES DE ROUES DE TRAIN D`ATTERRISSAGE D`AERONEFS ET METHODES CONNEXES**
[72] CLARK, ANDREW DAVID, US
[72] AL-ALUSI, THAMIR RAUF, US
[72] KIRKBRIDE, DAVID WILLIAM, US
[72] CALKINS, FREDERICK T., US
[72] MITCHELL, BRADLEY J., US
[71] THE BOEING COMPANY, US
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[54] **MODULAR SOFA CONSTRUCTION AND METHODS FOR ASSEMBLY**
[54] **CONSTRUCTION DU CANAPE MODULAIRE ET PROCEDES D`ASSEMBLAGE**
[72] KUHL, STEPHEN, US
[72] CHOPRA, KABEER, US
[72] AMICK, LEAH K. S., US
[72] KOH, PAUL, US
[72] KUBO, ALEX, US
[71] BURROW, INC., US
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[25] EN
[54] **ONBOARD HEATER OF AUXILIARY SYSTEMS USING EXHAUST GASES AND ASSOCIATED METHODS**
[54] **DISPOSITIF DE CHAUFFAGE INTEGRE DE SYSTEME AUXILIAIRE UTILISANT DES GAZ D`ECHAPPEMENT ET METHODES CONNEXES**
[72] YEUNG, TONY, US
[72] RODRIGUEZ-RAMON, RICARDO, US
[72] FOSTER, JOSEPH, US
[71] BJ ENERGY SOLUTIONS, LLC, US
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[25] EN
[54] **SYSTEMS AND METHODS UTILIZING TURBINE COMPRESSOR DISCHARGE FOR HYDROSTATIC MANIFOLD PURGE**
[54] **SYSTEMES ET PROCEDES UTILISANT LE REFOULEMENT DU COMPRESSEUR POUR TURBINE POUR LA PURGE DU COLLECTEUR HYDROSTATIQUE**
[72] YEUNG, TONY, US
[72] RODRIGUEZ-RAMON, RICARDO, US
[72] FOSTER, JOSEPH, US
[71] BJ ENERGY SOLUTIONS, LLC, US
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[54] **GRAND SAC ECOLO**
[72] ALMARZA MARQUEZ, ANDREA, CA
[71] ALMARZA MARQUEZ, ANDREA, CA
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[51] **Int.Cl. G01V 9/00 (2006.01) B09C 1/08 (2006.01) G01V 3/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR STIMULATING AND DETECTING THE BIOLOGICAL DEGRADATION OF HYDROCARBONS AND BIOGREOCHEMICAL CYCLES IN CONTAMINATED SOILS**
[54] **METHODES ET SYSTEMES POUR STIMULER ET DETECTER LA DEGRADATION BIOLOGIQUE DES HYDROCARBURES ET DES CYCLES BIOGEOCHIMIQUES DANS LES SOLS CONTAMINES**
[72] SENGER, CURTIS, CA
[72] SICILIANO, STEVEN, CA
[72] PEAK, JOHN, CA
[72] MUSSONE, PAOLO, CA
[71] ENVIRONMENTAL MATERIAL SCIENCE INC., CA
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[54] **PORTE-MECHE AVEC UNITE DE PROTECTION DE CHARGE DYNAMIQUE**
[72] CERA, UDO, DE
[71] ADOLF WURTH GMBH & CO. KG, DE
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[54] **METAL FASTENING DIE ASSEMBLY**
[54] **LOGEMENT DE MATRICE DE FIXATION METALLIQUE**
[72] SPROTBERRY, STEVEN J., US
[72] FISCH, HANS-WERNER, DE
[71] BTM COMPANY LLC, US
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[54] **SYSTEM AND METHOD FOR CUTTING SHEETS FOR USE IN THE PRODUCTION OF BOXES**
[54] **SYSTEME ET PROCEDE DE DECOUPE DE FEUILLES A UTILISER DANS LA PRODUCTION DE BOITES**
[72] BARNETT, MICHAEL, CA
[71] CANADIAN CORRUGATED SYSTEMS, CA
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[54] **APPARATUS AND METHOD FOR TESTING A SUBMARINE HIGH VOLTAGE CABLE SYSTEM**
[54] **APPAREIL ET METHODE POUR TESTER UN SYSTEME DE CABLES SOUS-MARINS A HAUTE TENSION**
[72] IADANZA, ANDREA, IT
[72] BOFFI, PAOLO, IT
[72] SARTI, CHRISTIAN, IT
[71] PRYSMIAN S.P.A., IT
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[54] **APPAREIL DE COLLECTE D'ECHANTILLONS DE POUSSIERE**
[72] JANHUNEN, PETRI, FI
[72] PYKKOENEN, ILKKA, FI
[72] KAERKI, PASI, FI
[72] SIRVIOE, TIMO, FI
[71] VALMET AUTOMATION OY, FI
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[54] **INJECTION-MOLDABLE AERATOR MIXING ROD AND METHOD OF MANUFACTURING THEREOF**
[54] **TIGE DE MELANGE D`AERATEUR MOULABLE PAR INJECTION ET SON PROCEDE DE FABRICATION**
[72] CAMPBELL, SHAWN, CA
[72] REISER, RALF, US
[72] DODDANAARI SHAMAKUMAR, RAKSHITHA, US
[72] KAISER, ALEXANDER, US
[71] RICH PRODUCTS CORPORATION, US
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[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **CHARACTERIZING FRACTURE ORIENTATIONS IN ORTHORHOMBIC ADJACENT LAYERS USING THE PHASE OF AZIMUTHAL FOURIER COEFFICIENTS**
[54] **CARACTERISATION DES ORIENTATIONS DE FRACTURES DANS LES COUCHES ADJACENTES ORTHORHOMBIQUES A L`AIDE DE LA PHASE DES COEFFICIENTS DE FOURIER AZIMUTAUX**
[72] ROURE, BENJAMIN, FR
[71] CGG SERVICES SAS, FR
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[54] **CURRENT LIMITING CIRCUIT ARRANGEMENT**
[54] **DISPOSITIF POUR CIRCUIT DE LIMITATION DE COURANT**
[72] JENSEN, KRISTOPHOR RAY, US
[71] LITTELFUSE, INC., US
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[54] **DEVICE CONTROLS**
[54] **COMMANDES D`APPAREIL**
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[72] BRIGNONI, LIZMARI, US
[72] CASTONGUAY, MARK DAVID, US
[72] CLARKE, LISA MUNTER, US
[72] HANWELLA, UPUL D., US
[72] NGUYEN, TRACI H., US
[72] ULRICH, ERICA, US
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[22] 2021-05-03
[41] 2021-11-20
[30] US (16/879,588) 2020-05-20

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[51] **Int.Cl. H02H 3/04 (2006.01)**
[25] EN
[54] **GROUND FAULT PROTECTION CIRCUIT AND TECHNIQUES**
[54] **TECHNIQUES ET CIRCUIT DE PROTECTION CONTRE LES DEFAUTS DE TERRE**
[72] JENSEN, KRISTOPHOR RAY, US
[71] LITTELFUSE, INC., US
[22] 2021-05-03
[41] 2021-11-18
[30] US (16/876,705) 2020-05-18

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[21] **3,116,967**
[13] A1
[51] **Int.Cl. E06B 3/56 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **SASH APPARATUS AMD METHOD OF MAKING SAME**
[54] **APPAREIL POUR CROISEE DE FENETRE ET PROCEDE DE FABRICATION**
[72] ALKHOURY, BOULOS, CA
[72] D'UVA, PASQUALINO, CA
[71] VINYL WINDOW DESIGNS, CA
[22] 2021-05-03
[41] 2021-11-15
[30] US (16/875,871) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01)**
[25] EN
[54] **PRODUCT CONTAINING DISSOLVABLE SOLID ARTICLE**
[54] **PRODUIT CONTENANT UN ARTICLE SOLIDE SOLUBLE**
[72] GLENN, ROBERT WAYNE, JR., US
[72] CHENG, GLORIA YU HUA, US
[72] LEE, YUNQIN, US
[72] THOMPSON, TODD RYAN, US
[72] TEDESCO, DAVID DEAN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2021-05-04
[41] 2021-11-15
[30] US (63/025,188) 2020-05-15

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[13] A1
[51] **Int.Cl. G03B 37/02 (2021.01) G06T 7/70 (2017.01) G06T 11/60 (2006.01) G08G 1/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SPATIALLY HIGH PRECISE, LOCALIZED PANORAMIC STREET IMAGE AND SYSTEM FOR THIS**
[54] **METHODE POUR PRODUIRE UNE IMAGE DE RUE PANORAMIQUE LOCALISEE ET DE HAUTE PRECISION SPATIALE ET SYSTEME AFFERENT**
[72] FRETTER, CHRISTOPH, DE
[72] HUELSEBUSCH, DETLEV, DE
[72] SELIG, OLEG, DE
[71] PARKLING GMBH, DE
[22] 2021-05-04
[41] 2021-11-15
[30] EP (20 174 906.6) 2020-05-15

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[21] **3,117,174**
[13] A1
[51] **Int.Cl. F02K 5/00 (2006.01) B64D 27/00 (2006.01) B64D 27/24 (2006.01) F01D 25/36 (2006.01) F02C 6/20 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) F02K 3/06 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **REVERSE-FLOW GAS TURBINE ENGINE WITH ELECTRIC MOTOR**
[54] **MOTEUR A TURBINE A GAZ A FLUX INVERSE AVEC MOTEUR ELECTRIQUE**
[72] LEFEBVRE, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-04
[41] 2021-11-15
[30] US (16/875,451) 2020-05-15

[21] **3,117,177**
[13] A1
[51] **Int.Cl. B64D 27/24 (2006.01) B64C 27/12 (2006.01) B64D 27/00 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **TWIN-ENGINE SYSTEM WITH ELECTRIC DRIVE**
[54] **MOTEUR A DEUX CYLINDRES AVEC COMMANDE ELECTRIQUE**
[72] LEFEBVRE, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-04
[41] 2021-11-15
[30] US (16/875,470) 2020-05-15

[21] **3,117,400**
[13] A1
[51] **Int.Cl. B27N 3/08 (2006.01) B27N 3/18 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR PRODUCING A THREE-DIMENSIONALLY DEFORMED PLATE**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D`UNE PLAQUE TRIDIMENSIONNELLE DEFORMEE**
[72] HOMANN, FRITZ, DE
[72] WAHLEN, MARKUS, DE
[72] WESSEL, MICHA, DE
[72] SCHULTE, MATTHIAS, DE
[71] HOMANN HOLZWERKSTOFFE GMBH, DE
[22] 2021-05-05
[41] 2021-11-15
[30] DE (10 2020 113 284.0) 2020-05-15

[21] **3,117,569**
[13] A1
[51] **Int.Cl. A47C 7/62 (2006.01) A47C 27/10 (2006.01)**
[25] EN
[54] **PORTABLE SEAT AND BACK CUSHION**
[54] **COUSSIN DE SIEGE ET DOSSIER PORTABLE**
[72] OHANIAN, ARA, US
[71] OHANIAN, ARA, US
[22] 2021-05-06
[41] 2021-11-15
[30] US (16/875,520) 2020-05-15

[21] **3,117,622**
[13] A1
[51] **Int.Cl. A23L 13/00 (2016.01) A23L 13/60 (2016.01) A22C 5/00 (2006.01) A22C 7/00 (2006.01) A22C 11/00 (2006.01) A23B 4/06 (2006.01) B65B 25/06 (2006.01)**
[25] EN
[54] **PROCESS OF MEAT PACKAGING**
[54] **PROCEDE DE CONDITIONNEMENT DES VIANDES**
[72] GALLAUDET, NATHANIEL, US
[71] BACON BLEND LLC, US
[22] 2021-05-06
[41] 2021-11-14
[30] US (63/024,938) 2020-05-14

[21] **3,117,625**
[13] A1
[51] **Int.Cl. G01N 29/04 (2006.01) B33Y 50/02 (2015.01) G01N 29/14 (2006.01)**
[25] EN
[54] **ONLINE MONITORING OF ADDITIVE MANUFACTURING USING ACOUSTIC EMISSION METHODS**
[54] **SUIVI EN LIGNE DE LA FABRICATION ADDITIVE AU MOYEN DE METHODES D'EMISSION ACOUSTIQUE**
[72] HASANIAN, MOSTAFA, US
[72] SABOONCHI, HOSSAIN, US
[72] GONZALEZ-NUNEZ, MIGUEL A., US
[72] GODINEZ-AZCUAGA, VALERY, US
[71] MISTRAS GROUP, INC., US
[22] 2021-05-06
[41] 2021-11-19
[30] US (16/877,530) 2020-05-19

[21] **3,117,684**
[13] A1
[51] **Int.Cl. H02J 15/00 (2006.01) H02B 15/02 (2006.01)**
[25] EN
[54] **ENERGY CONTROL FOR ENERGY STORAGE SYSTEMS**
[54] **CONTROLE DE L`ENERGIE POUR SYSTEMES DE STOCKAGE DE L`ENERGIE**
[72] NEWMAN, RHETT HEATH, US
[72] BERTINETTI, MARK, US
[72] KURIAN, DYNISH PADINJARENJARUKULATHEL, US
[72] GRANATELLI, DAVID BARRY, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2021-05-10
[41] 2021-11-15
[30] US (17/226525) 2021-04-09
[30] US (63/025483) 2020-05-15

[21] **3,117,779**
[13] A1
[51] **Int.Cl. F16K 11/085 (2006.01) F28G 15/00 (2006.01)**
[25] EN
[54] **TANKLESS WATER HEATER ISOLATION VALVE ASSEMBLY**
[54] **ENSEMBLE DE ROBINETS D`ISOLEMENT POUR CHAUFFE-EAU INSTANTANE**
[72] ERHARDT, JAMES, US
[72] ESMAIL, MAHYAR, US
[71] WATTS REGULATOR CO., US
[22] 2021-05-11
[41] 2021-11-14
[30] US (17/314,819) 2021-05-07
[30] US (63/024,571) 2020-05-14

[21] **3,117,872**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01) G06Q 10/04 (2012.01) G06F 16/906 (2019.01) G06N 3/04 (2006.01)**
[25] EN
[54] **CLUSTERING TECHNIQUES FOR MACHINE LEARNING MODELS**
[54] **TECHNIQUES AGGLOMERATIVES POUR MODELE D`APPRENTISSAGE AUTOMATIQUE**
[72] BONDUGULA, RAJKUMAR, US
[72] PATEL, PIYUSH, US
[71] EQUIFAX INC., US
[22] 2021-05-10
[41] 2021-11-15
[30] US (16/875,658) 2020-05-15

[21] **3,118,045**
[13] A1
[51] **Int.Cl. G01S 13/90 (2006.01)**
[25] EN
[54] **SYNTHETIC APERTURE RADAR DATA REDUCTION FOR SATELLITES**
[54] **REDUCTION DE DONNEES OBTENUES PAR RADAR A SYNTHESE D`OUVERTURE POUR SATELLITES**
[72] SCHAEFER, CHRISTOPH, DE
[72] HIPPLER, JOERG, DE
[72] LOINGER, ANDREA FEDERICO, DE
[72] HEER, CHRISTOPH, DE
[71] AIRBUS DEFENCE AND SPACE GMBH, DE
[22] 2021-05-11
[41] 2021-11-20
[30] EP (20175733.3) 2020-05-20

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[13] A1
[51] **Int.Cl. H01P 5/18 (2006.01) H01P 1/161 (2006.01) H01Q 13/02 (2006.01)**
[25] EN
[54] **WIDEBAND ORTHOMODE TRANSDUCER**
[54] **JONCTION ORTHOMODE LARGE BANDE**
[72] BRU, LAURENT, US
[72] BOSSHARD, PIERRE, US
[72] TUBAU, SEGOLENE, US
[72] CARTAILLAC, ERWAN, US
[72] FERRANDO, NICOLAS, US
[71] THALES, FR
[22] 2021-05-13
[41] 2021-11-15
[30] FR (2004878) 2020-05-15

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[21] **3,118,233**
[13] A1
[51] **Int.Cl. C05G 3/20 (2020.01) C05G 5/12 (2020.01) C05F 11/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **DISPERSIBLE PARTICLES CONTAINING SOLUBLE HUMICS AND BIOCHAR**
[54] **PARTICULES DISPERSIBLES CONTENANT DES HUMIQUES SOLUBLES ET DU BIOCHARBON**
[72] SCHUMSKI, JOSEPH, US
[72] GOLDSBY, ANTHONY, US
[72] EICHENBERG, ROBERT, US
[71] THE ANDERSONS, INC., US
[22] 2021-05-13
[41] 2021-11-15
[30] US (63/025,239) 2020-05-15

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[13] A1
[51] **Int.Cl. G06F 16/90 (2019.01) G06F 16/20 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DATABASE INSTRUCTIONS FOR A COMPUTER NETWORK**
[54] **SYSTEME ET METHODE D`INSTRUCTIONS DE BASE DE DONNEES POUR UN RESEAU D`ORDINATEURS**
[72] DEVARAJ, SHALIESH, IN
[72] SIDDALINGAIAH, GANGARAJU K., IN
[72] PRABHAKAR, BHARGAV MARITHAMANAHALLI, IN
[71] SANDVINE CORPORATION, CA
[22] 2021-05-14
[41] 2021-11-14
[30] IN (202011020354) 2020-05-14
[30] EP (21173333.2) 2021-05-11

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[13] A1
[51] **Int.Cl. B66F 17/00 (2006.01) B66F 11/04 (2006.01)**
[25] EN
[54] **LOAD DETECTION FOR AN AERIAL LIFT ASSEMBLY**
[54] **DETECTION DE CHARGE POUR UN ENSEMBLE DE NACELLES ELEVATRICES**
[72] GRIEND, BEN VANDER, US
[72] CATTANACH, BRANDEN, US
[72] DUFFY, GRANT, US
[71] TEREX SOUTH DAKOTA, INC., US
[22] 2021-05-13
[41] 2021-11-14
[30] US (63/024,613) 2020-05-14

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[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **INTEGRATED VEHICLE COVER**
[54] **BACHE DE VEHICULE INTEGRE**
[72] KNEIFL, KELLY, US
[72] GAARDER, ROBERT, US
[72] FACCHINELLO, JEROME, US
[72] DELANEY, DANIEL J., US
[72] MOSINGO, ROBBIE, US
[71] TECTUM HOLDINGS, INC., US
[22] 2021-05-13
[41] 2021-11-14
[30] US (63/024,585) 2020-05-14

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[21] **3,118,264**
[13] A1
[51] **Int.Cl. E21B 19/00 (2006.01) E21B 19/16 (2006.01) E21B 33/04 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **ROTATING HANGER RUNNING TOOL**
[54] **OUTIL DE POSE DE DISPOSITIFS DE SUSPENSION ROTATIFS**
[72] COTTON, CRAIG, US
[71] PATRIOT RESEARCH CENTER, LLC, US
[22] 2021-05-14
[41] 2021-11-19
[30] US (16878300) 2020-05-19

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[13] A1
[51] **Int.Cl. E04B 2/82 (2006.01) E04B 2/74 (2006.01) E04G 21/18 (2006.01)**
[25] EN
[54] **PREFABRICATED WALL MODULE LEVELING ASSEMBLY**
[54] **DISPOSITIF DE MISE A NIVEAU DE MODULE MURAL PREFABRIQUE**
[72] GOSLING, GEOFF W., CA
[72] BROWN, THOMAS, CA
[72] KLAAS, JEREMY J., US
[71] DIRTT ENVIRONMENTAL SOLUTIONS LTD., CA
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,789) 2020-05-15
[30] US (17/320,006) 2021-05-13

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[13] A1
[51] **Int.Cl. B65H 75/24 (2006.01) E21B 19/22 (2006.01)**
[25] EN
[54] **EXPANDABLE REEL ASSEMBLY FOR A WELL SYSTEM**
[54] **ENSEMBLE DE BOBINES EXTENSIBLES POUR UN SYSTEME DE PUITS**
[72] STEWART, JAMIE, US
[72] VINCER, CHRISTOPHER, US
[72] PIPAL, GREGORY L., US
[72] HARRINGTON, DOYLE, US
[72] DAIGLE, DERRICK, US
[71] ENQUEST ENERGY SOLUTIONS, LLC, US
[22] 2021-05-13
[41] 2021-11-15
[30] US (63/025,322) 2020-05-15

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[13] A1
[51] **Int.Cl. F42B 6/10 (2006.01) F42B 12/72 (2006.01) F42B 33/00 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING THROWABLE PAINTBALLS AND PAINTBALLS MADE THEREFROM**
[54] **METHODE DE PRODUCTION DE BALLES DE PEINTURE JETABLES ET BALLES DE PEINTURE FABRIQUEES A PARTIR DE CELLE-CI**
[72] GARDELL, BRIANA, US
[71] MEZZIMATIC LLC, US
[22] 2021-05-13
[41] 2021-11-15
[30] US (16/874,988) 2020-05-15

[21] **3,118,279**
[13] A1
[51] **Int.Cl. E06B 1/04 (2006.01)**
[25] EN
[54] **DOOR-READY MOLDING**
[54] **MOULURE POUR PORTE**
[72] DIXON, ALAN, US
[72] KONDRATUK, MICHAEL, US
[72] RAWDEN, JAMMEY, US
[71] LARSON MANUFACTURING COMPANY OF SOUTH DAKOTA, INC., US
[22] 2021-05-13
[41] 2021-11-15
[30] US (63/025,328) 2020-05-15

[21] **3,118,283**
[13] A1
[51] **Int.Cl. E05B 29/00 (2006.01)**
[25] EN
[54] **CYLINDER LOCK**
[54] **SERRURE A BARILLET**
[72] BUCHMULLER, EDUARD, DE
[71] ABUS AUGUST BREMICKER SOEHNE KG, DE
[22] 2021-05-14
[41] 2021-11-15
[30] DE (102020113197.6) 2020-05-15

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[13] A1
[51] **Int.Cl. B65D 83/28 (2006.01) B05C 17/005 (2006.01) B65D 47/06 (2006.01) B65D 51/24 (2006.01) B65D 83/40 (2006.01)**
[25] EN
[54] **SEALANT BOTTLE CAP**
[54] **CAPUCHON POUR CONTENANT DE PRODUIT ANTIFUITE**
[72] COSTLE, CAREY CHRISTOPHER, US
[72] RICHEY, STEPHEN EDWARD, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-05-13
[41] 2021-11-18
[30] US (17/316,324) 2021-05-10
[30] US (63/026,514) 2020-05-18

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[13] A1
[51] **Int.Cl. F16B 39/28 (2006.01)**
[25] EN
[54] **A VIBRATION RESISTANT FASTENER ASSEMBLY**
[54] **ASSEMBLAGE VIS-ECROU RESISTANT AUX VIBRATIONS**
[72] BASHETTI, AMOL, IN
[72] KAMBLE, GOPAL, IN
[72] PAL, RAJU, IN
[72] REGO, JOHNSON, IN
[71] AKTIEBOLAGET SKF, SE
[22] 2021-05-12
[41] 2021-11-19
[30] IN (202041021007) 2020-05-19

[21] **3,118,462**
[13] A1
[51] **Int.Cl. F02K 5/00 (2006.01) B64D 27/00 (2006.01) B64D 27/24 (2006.01) F01D 25/36 (2006.01) F02C 6/20 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) F02K 3/06 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **THROUGH-FLOW GAS TURBINE ENGINE WITH ELECTRIC MOTOR AND ELECTRIC GENERATOR**
[54] **TURBINE A GAZ A ECOULEMENT AVEC MOTEUR ELECTRIQUE ET GENERATEUR**
[72] LEFEBVRE, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-13
[41] 2021-11-15
[30] US (16/875,451) 2020-05-15
[30] US (16/875,470) 2020-05-15
[30] US (16/897,776) 2020-06-10

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[13] A1
[51] **Int.Cl. E21B 19/22 (2006.01) E21B 19/24 (2006.01)**
[25] EN
[54] **SAFE STAB AND SELF-ALIGNING COILED TUBING APPARATUS**
[54] **MANOEUVRE SECURITAIRE ET APPAREIL POUR TUBE SPIRALE AUTOCENTREUR**
[72] WITTE, M. BRETT, US
[72] BEHRENS, RANDALL DEAN, US
[72] BAILEY, MICHAEL, US
[71] PREMIER COIL SOLUTIONS, INC., US
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,268) 2020-05-15

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[13] A1
[51] **Int.Cl. C13B 25/00 (2011.01) C13B 25/02 (2011.01) C13B 25/04 (2011.01)**
[25] EN
[54] **EVAPORATOR SYSTEM, KIT FOR ASSEMBLING THE SAME, AND CORRESPONDING METHODS OF ASSEMBLING, OPERATING AND USE ASSOCIATED THERETO**
[54] **SYSTEME EVAPORATEUR, TROUSSE D`ASSEMBLAGE DE CELUI-CI, ET METHODES CORRESPONDANTES D`ASSEMBLAGE, D`EXPLOITATION ET D`UTILISATION ASSOCIES A CELUI-CI**
[72] GRANGER, JEAN-CLAUDE, CA
[72] BRIERE, LUC, CA
[72] LACASSE, LOUIS, CA
[72] BOUCHER, GABRIEL, CA
[71] LES EQUIPEMENTS LAPIERRE INC., CA
[22] 2021-05-14
[41] 2021-11-14
[30] US (63/024.629) 2020-05-14

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[13] A1
[51] **Int.Cl. G07C 9/20 (2020.01) H04B 17/318 (2015.01) H04W 4/30 (2018.01) H04W 12/30 (2021.01) H01Q 21/00 (2006.01)**
[25] EN
[54] **ACCESS SYSTEM WITH AT LEAST ONE GATE**
[54] **SYSTEME D`ACCES DOTE D`AU MOINS UNE PORTE**
[72] MILLER, NORBERT, DE
[72] RUSSMANN, MAXIMILIAN, DE
[71] SCHEIDT & BACHMANN GMBH, DE
[22] 2021-05-13
[41] 2021-11-15
[30] DE (10 2020 113 244.1) 2020-05-15

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[13] A1
[51] **Int.Cl. A47K 3/02 (2006.01) B65D 90/12 (2006.01)**
[25] EN
[54] **SPA STRUCTURE**
[54] **STRUCTURE DE CUVE THERMALE**
[72] FOY, JEROME, CA
[72] OUELLET, GASTON, CA
[72] GOULET, CHARLES, CA
[71] 9213-4550 QUEBEC INC., CA
[22] 2021-05-13
[41] 2021-11-14
[30] US (63/025,038) 2020-05-14

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[13] A1
[51] **Int.Cl. G01K 1/08 (2021.01) G01K 13/20 (2021.01) G01K 13/25 (2021.01)**
[25] EN
[54] **MULTI-CONFIGURATION THERMOMETER**
[54] **THERMOMETRE A CONFIGURATION MULTIPLE**
[72] HIRSCHHORN, CHELSEA, US
[72] HACK, GREGARY ADAM, US
[72] LEVEL, MARIA V., US
[72] SAUCEDA, SAMUEL, US
[72] SAXTON, MATTHEW, US
[72] QIFENG, YOU, CN
[71] FRIDABABY, LLC, US
[22] 2021-05-14
[41] 2021-11-15
[30] US (16/875549) 2020-05-15

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[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 19/06 (2006.01)**
[25] EN
[54] **TORQUE WRENCH**
[54] **CLE DYNAMOMETRIQUE**
[72] MAGNUSON, CHRISTOPHER, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2021-05-13
[41] 2021-11-20
[30] US (63/027534) 2020-05-20

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[13] A1
[51] **Int.Cl. G09F 7/18 (2006.01)**
[25] EN
[54] **SIGN SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT D`AFFICHE**
[72] CHRISTIANSON, DEBORAH SUSAN, CA
[71] STUDIO 4 DESIGNS INC., CA
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,426) 2020-05-15

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24D 3/18 (2006.01) A24F 7/00 (2006.01)**
[25] EN
[54] **MOUTHPIECE WITH ADJUSTMENT**
[54] **EMBOUT REGLABLE**
[72] SIMRELL, AUSTYN, US
[71] SIMRELL COLLECTION, LLC, US
[22] 2021-05-17
[41] 2021-11-15
[30] US (63/025,532) 2020-05-15
[30] US (17/320,842) 2021-05-14

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[13] A1
[51] **Int.Cl. E05D 3/02 (2006.01) F25D 23/00 (2006.01)**
[25] EN
[54] **PIVOT HINGE**
[54] **CHARNIERE A PIVOT**
[72] MITCHELL, BRETT, US
[72] BASSETT, ANDREW, US
[71] KASON INDUSTRIES, INC., US
[22] 2021-05-17
[41] 2021-11-20
[30] US (16/878,948) 2020-05-20

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[13] A1
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[25] EN
[54] **COMPUTERIZED SYSTEMS AND METHODS FOR GOLF COURSE MANAGEMENT**
[54] **SYSTEMES ET METHODES INFORMATIQUES POUR LA GESTION DES TERRAINS DE GOLF**
[72] GARSIDE, TYLER, CA
[71] GOLFNORTH PROPERTIES INC., CA
[22] 2021-05-17
[41] 2021-11-15
[30] US (63/025,208) 2020-05-15

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[25] EN
[54] **CASINO GAMING MACHINES CONFIGURED TO RESIST VIRUSES, BACTERIA AND FUNGI AND TH AT ARE CONFIGURED TO CURB THE SPREAD OF INFECTIOUS DISEASES**
[54] **APPAREILS DE JEUX DE CASINO CONFIGURES POUR RESISTER AUX VIRUS, AUX BACTERIES ET AUX CHAMPIGNONS ET QUI SONT CONFIGURE POUR FREINER LA PROPAGATION DES MALADIES INFECTIEUSES**
[72] WASHINGTON, GEORG M., US
[72] INGLETT, HARRY, US
[72] DOLAN, BRIAN, US
[71] SYNERGY BLUE, LLC, US
[22] 2021-05-17
[41] 2021-11-18
[30] US (63/026,693) 2020-05-18

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **A DATA MANAGEMENT SYSTEM USING ATTRIBUTED DATA SLICES**
[54] **SYSTEME DE GESTION DE DONNEES UTILISANT DES TRANCHES DE DONNEES ATTRIBUEES**
[72] RAO, SRINIVASA, US
[72] WHITELEY, TODD, US
[72] CHANDRAMOULI, BOPSI, US
[72] FRUIN, DAVID, US
[71] VAIL SYSTEMS, INC., US
[22] 2021-05-12
[41] 2021-11-15
[30] US (63/025,493) 2020-05-15

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[25] EN
[54] **TRAINING DEVICE WITH LASER-ASSISTED WEAPON**
[54] **DISPOSITIF D'ENTRAINEMENT MUNI D'ARMES LASER**
[72] RIEDESSER, PATRICK, AT
[71] SIMGUN GMBH, AT
[22] 2021-05-18
[41] 2021-11-19
[30] DE (10 2020 113 463.0) 2020-05-19

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[51] **Int.Cl. B65G 67/04 (2006.01)**
[25] EN
[54] **COMMODITY CART WITH IMPROVED LOADING POSITIONING**
[54] **CHARIOT POUR MARCHANDISE AVEC POSITION DE CHARGEMENT AMELIOREE**
[72] PIKESH, DERRYN W., US
[72] HARMON, ANDREW W., US
[71] DEERE & COMPANY, US
[22] 2021-05-17
[41] 2021-11-19
[30] US (16/878,021) 2020-05-19

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/04 (2009.01) H04L 1/18 (2006.01)**
[25] EN
[54] **CONFIGURATION OF WIRELESS RESOURCES FOR TRANSMISSION**
[54] **CONFIGURATION DE RESSOURCES SANS FIL AUX FINS DE TRANSMISSION**
[72] DINAN, ESMAEL HEJAZI, US
[72] YI, YUNJUNG, US
[72] ZHOU, HUA, US
[72] PARK,JONGHYUN, US
[72] CIRIK, ALI CAGATAY, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-05-14
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[51] **Int.Cl. A24F 40/49 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **PACKAGE**
[54] **BOITIER**
[72] LING, JIANBO, CN
[72] QI,SIGUANG, CN
[71] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN
[22] 2021-05-14
[41] 2021-11-15
[30] CN (202020812684.6) 2020-05-15

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[51] **Int.Cl. B64D 31/00 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR HYBRID ELECTRIC POWER PLANTS**
[54] **SYSTEME DE CONTROLE DE GROUPES MOTOPROPULSEURS HYBRIDES-ELECTRIQUES**
[72] MARRK, MICHAEL, CA
[72] IMEL, PAUL C., CA
[72] GUERCHKOVITCH, LEONID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-17
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[30] US (16/875,941) 2020-05-15

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[51] **Int.Cl. B64D 31/00 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR HYBRID ELECTRIC POWER PLANTS**
[54] **SYSTEME DE CONTROLE DE GROUPES MOTOPROPULSEURS HYBRIDES-ELECTRIQUES**
[72] MARK, MICHAEL, CA
[72] IMEL, PAUL C., CA
[72] GUERCHKOVITCH, LEONID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **PARALLEL CONTROL LOOP FOR HYBRID ELECTRIC AIRCRAFT**
[54] **BOUCLE DE COMMANDE PARALLELE POUR AERONEF HYBRIDE-ELECTRIQUE**
[72] GUERCHKOVITCH, LEONID, CA
[72] DHINGRA, MANUJ, CA
[72] KARPMAN, BORIS, CA
[72] KAUFMAN, AARON J., CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **PROTECTION FUNCTIONS**
[54] **FONCTIONS DE PROTECTION**
[72] POISSON, RICHARD A., CA
[72] IMEL, PAUL C., CA
[72] GUERCHKOVITCH, LEONID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **ENGINE CHARACTERISTICS MATCHING**
[54] **APPARIEMENT DES CARACTERISTIQUES DU MOTEUR**
[72] GUERCHKOVITCH, LEONID, CA
[72] KAUFMAN, AARON J., CA
[72] KARPMAN, BORIS, CA
[72] DHINGRA, MANUJ, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **THERMOCHROMIC WHEEL LUG NUT DEVICE**
[54] **DISPOSITIF D'ECROU DE ROUE THERMOCHROMIQUE**
[72] DAVIES, IFOR C., CA
[71] DAVIES, IFOR C., CA
[22] 2021-05-18
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[25] EN
[54] **STACKABLE PHOTOVOLTAIC MODULE**
[54] **MODULE PHOTOVOLTAIQUE EMPILABLE**
[72] BATTISTUTTI, RENE, AT
[71] KOBA HOLDING GMBH, AT
[22] 2021-05-18
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[51] **Int.Cl. B65G 45/10 (2006.01) B65G 45/20 (2006.01) B65G 45/26 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR CLEANING A CONVEYOR BELT**
[54] **APPAREIL, SYSTEME ET METHODE POUR NETTOYER UNE BANDE TRANSPORTEUSE**
[72] BAHNEV, BOYAN, CA
[71] ESCO GROUP LLC, US
[22] 2021-05-18
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[30] US (63/027,736) 2020-05-20

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[25] EN
[54] **ASSEMBLY FOR EXIT DEVICE**
[54] **ASSEMBLAGE POUR DISPOSITIF DE SORTIE DE SECOURS**
[72] WOODLEY, JAMISON D., US
[72] CLIFFORD, JASON C., US
[72] YAN, XIAOHUI, CN
[72] ZHANG, CAN, CN
[71] DORMAKABA USA INC., US
[22] 2021-05-18
[41] 2021-11-19
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[25] EN
[54] **DECORATIVE GARDEN FOUNTAIN WITH A SPEAKER**
[54] **FONTAINE DE JARDIN DECORATIVE AVEC HAUT-PARLEUR**
[72] SOOFER, SOHRAB ROBBY, US
[71] ALPINE CORPORATION, US
[22] 2021-05-18
[41] 2021-11-18
[30] US (63026720) 2020-05-18
[30] US (63055883) 2020-07-23
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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/04 (2009.01) H04W 72/12 (2009.01) H04W 76/27 (2018.01) H04B 1/713 (2011.01) H04L 1/18 (2006.01)**
[25] EN
[54] **TRANSMISSION USING A PLURALITY OF WIRELESS RESOURCES**
[54] **TRANSMISSION AU MOYEN DE PLUSIEURS RESSOURCES SANS FIL**
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL HEJAZI, US
[72] PARK, JONGHYUN, US
[72] RASTEGARDOOST, NAZANIN, US
[72] CIRIK, ALI CAGATAY, US
[72] XU, KAI, US
[72] ZHOU, HUA, US
[72] JEON, HYOUNGSUK, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-05-18
[41] 2021-11-18
[30] US (63/026,457) 2020-05-18

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[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **TRANSPARENT PROTECTIVE FACE MASK**
[54] **MASQUE PROTECTEUR TRANSPARENT**
[72] SUTTON, RICHARD, CA
[71] SUTTON, RICHARD, CA
[22] 2021-05-18
[41] 2021-11-19
[30] US (63/027,002) 2020-05-19

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[51] **Int.Cl. H01Q 1/52 (2006.01) H01Q 1/38 (2006.01) H01Q 9/04 (2006.01) H01Q 9/16 (2006.01) H01Q 9/30 (2006.01) H01Q 9/42 (2006.01)**
[25] EN
[54] **ANTENNA AND COMMUNICATIONS DEVICE**
[54] **ANTENNE ET DISPOSITIF DE COMMUNICATION**
[72] ZHAO, JIE, CN
[72] ZHOU, XIAO, CN
[72] TAO, ZUI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[22] 2021-05-18
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[30] CN (202010431978.9) 2020-05-20

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[51] **Int.Cl. G01K 1/08 (2021.01) G01K 13/024 (2021.01) F01D 17/08 (2006.01) G01K 5/60 (2006.01)**
[25] EN
[54] **TEMPERATURE SENSOR AND METHOD OF MANUFACTURE**
[54] **SONDE DE TEMPERATURE ET METHODE DE FABRICATION**
[72] MARONE, JOSEPH, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-18
[41] 2021-11-20
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[51] **Int.Cl. C08L 101/12 (2006.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01) C08L 67/00 (2006.01) C08L 75/04 (2006.01) C08L 77/00 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **ISOLATION PLUGS FOR ENHANCED GEOTHERMAL SYSTEMS**
[54] **BOUCHONS ISOLANTS POUR SYSTEMES GEOTHERMIQUES AMELIORES**
[72] TU, HUILIN, US
[72] GAMBLE, MITCHELL, CA
[72] ALTEIRAC, LAURENT, US
[72] PENDSE, BHUSHAN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[22] 2021-05-18
[41] 2021-11-19
[30] US (63/027242) 2020-05-19

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[51] **Int.Cl. C10G 49/02 (2006.01) B01J 8/02 (2006.01) B01J 38/00 (2006.01) C10G 49/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SOLID CATALYST SEPARATION IN SLURRY REACTORS**
[54] **SYSTEME ET METHODE DE SEPARATION DE CATALYSEURS SOLIDES DANS DES BIOREACTEURS EN PHASE HUMIDE**
[72] MALEK ABBASLOU, REZA, CA
[72] SMITH, RONALD SCOTT, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-05-19
[41] 2021-11-20
[30] US (63/027,585) 2020-05-20

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[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **PORTABLE SANITIZING SYSTEMS AND METHODS WITH RANGE GUIDANCE**
[54] **SYSTEMES ET METHODES D`ASSAINISSEMENT PORTATIF AVEC FEU DE DIRECTION**
[72] CHILDRESS, JAMIE J., US
[71] THE BOEING COMPANY, US
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[41] 2021-11-20
[30] US (63/027,869) 2020-05-20
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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **WELLBORE COMPLETION APARATUS**
[54] **APPAREIL PERMETTANT D'ACHEVER UN PUITS DE FORAGE**
[72] WOOD, BLAKE, CA
[72] DABREO. NIGEL, CA
[71] 8SIGMA ENERGY SERVICES INC., CA
[22] 2021-05-19
[41] 2021-11-19
[30] US (63/027,168) 2020-05-19
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[51] **Int.Cl. G06T 15/60 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FILTERING SHADOW MAPS WITH SUB-FRAME ACCUMULATION**
[54] **METHODE ET SYSTEME DE FILTRAGE DE CARTES D'OMBRE AVEC ACCUMULATION DE SECTEURS DE TRAMES**
[72] LEROUX, JEAN-PHILIPPE, CA
[72] VAAST, YOHANN CHRISTOPHE, CA
[71] UNITY IPR APS, DK
[22] 2021-05-19
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[51] **Int.Cl. A41D 13/11 (2006.01) B32B 5/08 (2006.01) D04H 1/4382 (2012.01) D04H 1/492 (2012.01)**
[25] EN
[54] **FACE MASK WITH FILTER MEDIUM FROM MULTICOMPONENT FILAMENTS**
[54] **MASQUE COMPORTANT UN MATERIAU FILTRANT DE FILAMENTS MULTICOMPOSANTS**
[72] KHEDIMI, ACHRAF, FR
[72] GODICKE, BIRGIT, DE
[72] KERHAULT, JEAN-FRANCOIS, DE
[71] CARL FREUDENBERG KG, DE
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[41] 2021-11-20
[30] EP (20 175 750.7) 2020-05-20
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[51] **Int.Cl. E02F 5/28 (2006.01) F16L 1/16 (2006.01) F16L 1/20 (2006.01)**
[25] EN
[54] **MODIFYING SEABED CONTOURS**
[54] **MODIFICATION DES CONTOURS DU FOND MARIN**
[72] OLSEN, CHRISTIAN LINDE, NO
[71] SUBSEA 7 NORWAY AS, NO
[22] 2021-05-19
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[30] GB (2007524.8) 2020-05-20

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[51] **Int.Cl. A62C 2/10 (2006.01) E04B 1/94 (2006.01) E06B 9/08 (2006.01)**
[25] EN
[54] **MULTI LAYER FIRE CURTAIN**
[54] **RIDEAU PARE-FLAMMES MULTICOUCHE**
[72] LAMBRIDIS, ANDREW C., US
[72] GOMAA, ASHRAF, US
[71] MCKEON ROLLING STEEL DOOR CO., INC., US
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[41] 2021-11-19
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[51] **Int.Cl. B64D 27/26 (2006.01) B64C 3/00 (2006.01) B64D 27/24 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHOHDS FOR AIRCRAFT WING PLUG**
[54] **SYSTEMES ET METHODES POUR FICHES D'AILES D'AVION**
[72] BERTRAND, PIERRE, CA
[72] THOMASSIN, JEAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-19
[41] 2021-11-19
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[51] **Int.Cl. G01F 9/00 (2006.01)**
[25] EN
[54] **MEASUREMENT OF FLOW OF VENT GAS WITH COMBUSTIBLES**
[54] **MESURE DU FLUX DE GAZ EVACUES AVEC DES COMBUSTIBLES**
[72] MALM, HOWARD, CA
[71] REM TECHNOLOGY INC, CA
[22] 2021-05-20
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[51] **Int.Cl. B24B 41/00 (2006.01) B24B 23/00 (2006.01)**
[25] EN
[54] **ROTARY TOOL**
[54] **OUTIL ROTATIF**
[72] JENKINS, JAMES L., US
[72] JERABEK, JESSE J., US
[72] BAYLESS, DAVID, US
[72] SMITH, I. DANIEL, US
[72] GREGORICH, BRENT N., US
[72] POTEET, ASHLEY, US
[72] BAI, YUN BIAO, CN
[72] JIN, DE XIANG, CN
[72] ZHANG, YAN JUN, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-05-14
[41] 2021-11-18
[30] US (16/876,821) 2020-05-18

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[13] A1
[51] **Int.Cl. B32B 37/15 (2006.01) B32B 13/02 (2006.01) B32B 17/02 (2006.01)**
[25] EN
[54] **GYPSUM PANELS, SYSTEMS, AND METHODS**
[54] **PLAQUES DE PLATRE, SYSTEMES ET METHODES**
[72] TENG, YI-HSIEN HARRY, US
[72] TRICKER, ANDREW W., US
[72] THOMAS, VINCENT B., US
[72] BRADFORD, ROCHELLE, US
[72] SANDERS, CHRISTOPHER JAMES, US
[71] GEORGIA-PACIFIC GYPSUM LLC, US
[22] 2021-05-14
[41] 2021-11-14
[30] US (15/931,848) 2020-05-14

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[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRE-OPTIMIZING INPUT DATA FOR AN OCR ENGINE OR OTHER COMPUTER-IMPLEMENTED ANALYSIS PROCESS**
[54] **METHODES ET SYSTEMES PERMETTANT D`OPTIMISER PREALABLEMENT DES DONNEES D`ENTREE POUR UN MOTEUR DE RECONNAISSANCE OPTIQUE DE CARACTERES OU UN AUTRE PROCESSUS D`ANALYSE INFORMATISEE**
[72] WILKINS, IAN, US
[71] WILKINS, IAN, US
[22] 2021-05-14
[41] 2021-11-14
[30] US (63/024,848) 2020-05-14

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[13] A1
[51] **Int.Cl. B01D 15/14 (2006.01) B01D 15/12 (2006.01) B01D 15/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLOSED CYCLE PREPARATIVE SUPERCRITICAL FLUID CHROMATOGRAPHY**
[54] **SYSTEME ET METHODE DE CHROMATOGRAPHIE A FLUIDE SUPERCRITIQUE PREPARATIVE A CYCLE FERME**
[72] SEABROOK, JAMES ANTHONY, CA
[71] VITALIS EXTRACTION TECHNOLOGY INC., CA
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,893) 2020-05-15

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[13] A1
[51] **Int.Cl. A47C 17/38 (2006.01)**
[25] EN
[54] **AUTOMATED SAFETY LOCKING DEVICE FOR WALL BEDS**
[54] **DISPOSITIF DE VERROUILLAGE DE SECURITE AUTOMATISE POUR LITS ESCAMOTABLES**
[72] COUTURE, ALAIN, CA
[71] BESTAR INC., CA
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,323) 2020-05-15

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[13] A1
[51] **Int.Cl. B60S 5/00 (2006.01) F16C 41/00 (2006.01)**
[25] EN
[54] **FAULT DETECTION TECHNIQUE FOR A BEARING**
[54] **TECHNIQUE DE DETECTION DES ANOMALIES POUR UN ROULEMENT**
[72] KENNY, SHAWN A., US
[72] SIDON, JEFFREY S., US
[72] KRISHNASWAMY, SIRIAM, US
[72] SADOUGHI. MOHAMMAD KAZEM, US
[72] LU, HAO, US
[72] HU, CHAO, US
[71] DEERE & COMPANY, US
[71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[22] 2021-05-14
[41] 2021-11-15
[30] US (63/025,565) 2020-05-15
[30] US (17/235,419) 2021-04-20

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[13] A1
[51] **Int.Cl. F16D 69/02 (2006.01) C08J 3/20 (2006.01) B32B 27/04 (2006.01)**
[25] EN
[54] **DAMPING MATERIAL AS INTERMEDIATE LAYER FOR A BRAKE PAD AND PROCESS FOR MAKING THE DAMPING MATERIAL**
[54] **AMORTISSEUR COMME COUCHE INTERMEDIAIRE POUR PLAQUETTE DE FREIN ET PROCEDE DE FABRICATION DE L'AMORTISSEUR**
[72] MUELLER, GEORG, DE
[72] LAKOTA, MIRZA, DE
[72] BENDT, HARALD, DE
[72] LIEB, KATJA, DE
[71] TMD FRICTION SERVICES GMBH, DE
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[51] **Int.Cl. F41A 23/10 (2006.01)**
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[54] **SUPPORT SYSTEM FOR A STOCK AND BARREL SIGHTING DEVICE**
[54] **SYSTEME DE SUPPORT POUR UN DISPOSITIF DE VISEE A CROSSE ET CANON**
[72] ROUSSELLE, PHILIPPE, BE
[71] ROUSSELLE, PHILIPPE, BE
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[54] **ASSEMBLY BODY CHANGE DETECTION METHOD, DEVICE AND MEDIUM BASED ON ATTENTION MECHANISM**
[54] **METHODE, DISPOSITIF ET SUPPORT DE DETECTION DE CHANGEMENT DE CORPS D`ASSEMBLAGE REPOSANT SUR UN MECANISME D`ATTENTION**
[72] CHEN, CHENG JUN, CN
[72] LI, CHANG ZHI, CN
[72] LI, DONG NIAN, CN
[72] HONG, JUN, CN
[71] QINGDAO TECHNOLOGICAL UNIVERSITY, CN
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[51] **Int.Cl. B21J 1/02 (2006.01)**
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[54] **METHOD FOR INTERNAL STRESS REGULATION IN SUPERALLOY DISK FORGINGS BY PRE-SPINNING**
[54] **METHODE DE REGULATION DE CONTRAINTES INTERNES DANS DES FORGEAGES DE DISQUES EN SUPERALLIAGE PAR PREROTATION**
[72] ZHANG, BEIJIANG, CN
[72] ZHANG, WENYUN, CN
[72] TIAN, CHENGGANG, CN
[72] HUANG, AIHUA, CN
[72] ZHANG, GUODONG, CN
[72] XUAN, HAIJUN, CN
[72] CHEN, CHUANYONG, CN
[72] HUANG, SHUO, CN
[72] QIN, HEYONG, CN
[72] TIAN, QIANG, CN
[72] DUAN, RAN, CN
[71] GAONA AERO MATERIAL CO., LTD., CN
[71] AECC COMMERCIAL AIRCRAFT ENGINE CO., LTD., CN
[71] ZHEJIANG HIRO AVIATION TECHNOLOGY CO., LTD., CN
[71] CENTRAL IRON & STEEL RESEARCH INSTITUTE, CN
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[54] **UTILITY KNIFE WITH REPLACEABLE BLADES AND RELOADABLE BLADE MAGAZINE**
[54] **COUTEAU UNIVERSEL A LAMES REMPLACABLES ET MAGASIN DE LAMES RECHARGEABLES**
[72] PANOSIAN, MICHAEL H., US
[72] KEELER, JOSHUA M., US
[71] PANOSIAN, MICHAEL H., US
[71] KEELER, JOSHUA M., US
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[54] **SUTURES SANS NOEUD A FERMETURES INTEGREES**
[72] MOLIVER, CLAYTON L., US
[71] MOLIVER, CLAYTON L., US
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[25] EN
[54] **CONVEYOR DEVICE FOR THE DISTANCELESS AND PRESSURELESS, OR LOW-PRESSURE, ACCUMULATION OF OBJECTS, AND OPERATING METHOD THEREFOR**
[54] **DISPOSITIF DE TRANSPORT POUR LE RANGEMENT D'OBJETS SANS ESPACEMENT ET SANS PRESSION OU AVEC FAIBLE PRESSION, ET SON PROCEDE DE FONCTIONNEMENT**
[72] SCHONBAUER, MANUEL, AT
[72] KARER, FLORIAN GEORG, AT
[72] GRIMMINGER, RICHARD, AT
[72] KALTSEIS, SIMON, AT
[72] RAUSCH, MARTIN, AT
[71] TGW MECHANICS GMBH, AT
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[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01) G06Q 40/08 (2012.01)**
[25] EN
[54] **IMAGE PROCESSING SYSTEM USING CONVOLUTIONAL NEURAL NETWORKS**
[54] **SYSTEME DE TRAITEMENT D'IMAGE UTILISANT DES RESEAUX NEURONAUX CONVOLUTIONNELS**
[72] HANTEHZADEH, NEDA, US
[71] CCC INFORMATION SERVICES INC., US
[85] 2021-09-23
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[87] (3131755)
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[51] **Int.Cl. G06T 7/00 (2017.01) G06N 3/02 (2006.01) G06Q 40/08 (2012.01)**
[25] EN
[54] **IMAGE PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT D'IMAGE**
[72] HANTEHZADEH, NEDA, US
[71] CCC INFORMATION SERVICES INC., US
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[54] **IMAGE PROCESSING SYSTEM USING RECURRENT NEURAL NETWORKS**
[54] **SYSTEME DE TRAITEMENT D'IMAGE UTILISANT DES RESEAUX NEURONAUX RECURRENTS**
[72] HANTEHZADEH, NEDA, US
[71] CCC INFORMATION SERVICES INC., US
[85] 2021-09-23
[86] 2021-05-14 (PCT/US2021/032417)
[87] (3132518)
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[51] **Int.Cl. C22C 1/02 (2006.01) B23K 35/14 (2006.01) B23K 35/40 (2006.01) C22B 25/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING SOLDER PRODUCT, SOLDER, SOLDERED COMPONENT, SOLDER PRODUCT, PRINTED WIRING BOARD, PRINTED CIRCUIT BOARD, WIRE, SOLDERED PRODUCT, FLEXIBLE PRINTED BOARD, ELECTRONIC COMPONENT, METHOD FOR MANUFACTURING TIN ARTICLE, METHOD FOR MANUFACTURING TIN INTERMEDIATE PRODUCT, TIN ARTICLE, TIN INTERMEDIATE PRODUCT, AND CONDUCTIVE MEMBER**
[54] **METHODE DE FABRICATION DE PRODUIT DE BRASURE, BRASURE, COMPOSANTE BRASEE, PRODUIT DE BRASURE, CARTE DE CIRCUITS IMPRIMES, FIL, PRODUIT BRASE, CARTE IMPRIMEE FLEXIBLE, COMPOSANT ELECTRONIQUE, METHODE POUR FABRIQUER UN ARTICLE D'ETAIN, METHODE POUR FABRIQUER UN PRODUIT INTERMEDIAIRE D'ETAIN, ARTICLE D'ETAIN, PRODUIT INTERMEDIAIRE D'ETAIN ET**
[72] ISHIKAWA, HISAO, JP
[72] KAYABA, MASAO, JP
[72] OGIHARA, AKIRA, JP
[71] ISHIKAWA TECHNOLOGY LABORATORY CO., LTD., JP
[71] KAYABA OFFICE CO., LTD., JP
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[54] **OCCLUSION DETECTION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETECTION D'OCCLUSION**
[72] ISAACSON, S. RAY, US
[72] SULLIVAN, VINCENT J., US
[72] TOMPKINS, BRENDAN, US
[72] SHERMER, CHARLES D., US
[71] BECTON, DICKINSON AND COMPANY, US
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[25] EN
[54] **WATERPROOF POLYMER-COATED COMBUSTIBLE PELLETS, AND METHODS FOR THE PRODUCTION THEREOF**
[54] **PASTILLES COMBUSTIBLES REVETUES D'UN POLYMERE IMPERMEABLE A L'EAU, ET PROCEDES DE PRODUCTION ASSOCIES**
[72] MCRAE, GLENN ALDON, CA
[72] MACKINTOSH, ALEXIS FOSSE, CA
[72] BASU, ONITA DEBBIE, CA
[72] SEATTER, GEOFFREY MICHAEL, CA
[71] MCRAE, GLENN ALDON, CA
[71] MACKINTOSH, ALEXIS FOSSE, CA
[71] BASU, ONITA DEBBIE, CA
[71] SEATTER, GEOFFREY MICHAEL, CA
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[51] **Int.Cl. B07B 1/30 (2006.01)**
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[54] **POLYMER REINFORCED SCREENING PANEL**
[54] **PANNEAU DE CRIBLAGE RENFORCE DE POLYMERES**
[72] JOHNSON, RYAN, US
[72] FREISSLE, PETER, US
[72] ANDERSON, GREG, US
[71] POLYDECK SCREEN CORPORATION, US
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[54] **HETEROCYCLIC COMPOUNDS AS KINASE INHIBITORS FOR THERAPEUTIC USES**
[54] **COMPOSES HETEROCYCLIQUES EN TANT QU'INHIBITEURS DE KINASE POUR DES UTILISATIONS THERAPEUTIQUES**
[72] HSIEH, HSING-PANG, TW
[72] LEE, KUN-HUNG, TW
[72] LIN, WEN-HSING, TW
[72] SHIH, CHUAN, US
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
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[51] **Int.Cl. A24F 40/20 (2020.01) A61K 31/05 (2006.01)**
[25] EN
[54] **CANNABINOID COMPOSITIONS AND METHODS OF USING**
[54] **COMPOSITIONS DE CANNABINOIDES ET PROCEDES D'UTILISATION**
[72] ALTMAN, ELLIOT, US
[72] FULLER, MATTHEW, US
[72] ALSAIF, GHEDA, US
[72] SMITH, SHANNON, US
[72] MAYNARD, KAREN, US
[72] FARONE, ANTHONY, US
[71] GREENWAY HERBAL PRODUCTS, LLC, US
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[51] **Int.Cl. A61P 1/16 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) C07K 14/47 (2006.01)**
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[54] **COMPOSITIONS AND METHODS FOR THE CRYOPRESERVATION OF IMMUNE CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR LA CRYOCONSERVATION DE CELLULES IMMUNITAIRES**
[72] REFAELI, YOSEF, US
[72] TURNER, BRIAN C., US
[72] PAYNE, THOMAS R., US
[71] TAIGA BIOTECHNOLOGIES, INC., US
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[54] **COMPOSITIONS AND METHODS FOR IMPROVING SKIN HEALTH AND FOR THE TREATMENT AND PREVENTION OF DISEASES, DISORDERS AND CONDITIONS ASSOCIATED WITH PATHOGENIC MICROBES**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER LA SANTE DE LA PEAU ET POUR LE TRAITEMENT ET LA PREVENTION DE MALADIES, DE TROUBLES ET D'ETATS ASSOCIES A DES MICROBES PATHOGENES**
[72] BRUCKER, ROBERT M., US
[72] ZHANG, XUECHENG, US
[72] LISTER, IDA, US
[72] JAIN, SANJAY, US
[71] DERMBIONT, INC., US
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[54] **METHODS AND SYSTEMS FOR SCREENING USING MICROCAPILLARY ARRAYS**
[54] **PROCEDES ET SYSTEMES DE CRIBLAGE A L'AIDE DE RESEAUX MICROCAPILLAIRES**
[72] CHEN, BOB, US
[72] KELLY, RYAN LEWIS, US
[72] HSIEH, VIVIAN, US
[71] XCELLA BIOSCIENCES, INC., US
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[51] **Int.Cl. A61B 50/20 (2016.01) A61B 50/30 (2016.01)**
[25] FR
[54] **DEVICE FOR HOLDING AND RELEASING AN OBJECT AND CORRESPONDING METHODS**
[54] **DISPOSITIF POUR LE MAINTIEN ET LA LIBERATION D'UN OBJET ET PROCEDES CORRESPONDANTS**
[72] RICHART, OLIVIER, FR
[71] SELENIUM MEDICAL, FR
[85] 2021-10-08
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[54] **LAYERED APERTURED WOUND DRESSING, PROCESS OF MANUFACTURE AND USEFUL ARTICLES THEREOF**
[54] **PANSEMENT DE DEBRIDEMENT A COUCHE PERFOREE, PROCEDE DE FABRICATION ET ARTICLES UTILES ASSOCIES**
[72] DILLON, MARK E., US
[71] BIO MED SCIENCES, INC., US
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[54] **CRYSTALLINE FORM OF A BET-INHIBITOR AND MANUFACTURE THEREOF**
[54] **FORME CRISTALLINE D'UN INHIBITEUR BET ET SA FABRICATION**
[72] LUUKKONEN, EILA, FI
[72] STAFFANS, ANNA, FI
[72] TOIS, JAN, FI
[72] ABBINENI, CHANDRASEKHAR, IN
[72] MARLA, ROSHAIAH, IN
[71] ORION CORPORATION, FI
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[54] **STAINABLE THERMOFORMABLE SHEETS, COMPOSITIONS, AND METHODS OF MANUFACTURE**
[54] **FEUILLES THERMOFORMABLES POUVANT ETRE TEINTES, COMPOSITIONS ET PROCEDES DE FABRICATION**
[72] FUHR, ADAM CURTIS, US
[71] WIDNER PRODUCT FINISHING, INC., US
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[54] **CANCER-SPECIFIC MOLECULES AND METHODS OF USE THEREOF**
[54] **MOLECULES SPECIFIQUES AU CANCER ET LEURS METHODES D'UTILISATION**
[72] PINEDA, MARIA LUISA, US
[72] AKERMAN, MARTIN, US
[72] ARUN, GAYATRI, US
[72] DHINGRA, PRIYANKA, US
[72] ANDERSON, KENDALL, US
[72] FREDERICK, VANESSA, US
[72] YUDANIN, NAOMI, US
[72] MUNCH, ROBIN, US
[72] ZHENG, PAULINA, US
[72] ABRAHAM, ANSON, US
[71] ENVISAGENICS, INC., US
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[54] **NEBULIZER MONITORING DEVICE, SYSTEM AND METHOD CROSS-REFERENCE TO RELATED APPLICATION**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE SURVEILLANCE DE NEBULISEUR EN REFERENCE CROISEE A UNE APPLICATION ASSOCIEE**
[72] SEGAL, MICHAEL, US
[72] BROWN, SPENCER, US
[72] PARK, JAE HONG, US
[72] TOYJANOVA, JENNET, US
[72] GORDON, JOSEPH, US
[72] SKUJINS, JANIS, US
[72] SCANLON, SEAN, US
[72] NELSON, DANIEL, US
[72] METZ, MICHAEL, US
[72] ABEL, NATHAN, US
[72] DE ANA ARBELOA, FRANCISCO JAVIER, US
[72] GOODIN, THOMAS, US
[72] CROSLAND, EVERETT, US
[71] SUNOVION PHARMACEUTICALS INC., US
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[51] **Int.Cl. A61M 5/158 (2006.01)**
[25] EN
[54] **EXTENSION SET TO REDUCE EXTENSION TUBE KINKING**
[54] **ENSEMBLE D'EXTENSION POUR REDUIRE LE VRILLAGE D'UN TUBE D'EXTENSION**
[72] NAIDU, JITHENDRA KUMAR SATHYANARAYANA, SG
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-10-08
[86] 2020-04-07 (PCT/US2020/027058)
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[30] US (62/831,525) 2019-04-09
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[51] **Int.Cl. B23K 26/0622 (2014.01) B23K 26/082 (2014.01) B23K 26/352 (2014.01)**
[25] FR
[54] **METHOD FOR THE CREATION OF AN IRIDESCENT EFFECT ON THE SURFACE OF A MATERIAL, AND DEVICES FOR CARRYING OUT SAID METHOD**
[54] **PROCEDE DE REALISATION D'UN EFFET D'IRISATION SUR LA SURFACE D'UN MATERIAU, ET DISPOSITIFS POUR SA MISE EN OEUVRE**
[72] GUILLOTTE, ISMAEL, FR
[72] LATOUCHE, BAPTISTE, FR
[72] LOPES, MARCOS VINICIUS, FR
[72] DAMASSE, JEAN-MICHEL, FR
[72] DIET, FRANCIS, FR
[71] APERAM, LU
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[51] **Int.Cl. C06B 25/20 (2006.01) C06B 45/10 (2006.01)**
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[54] **LOW-SMOKE PYROTECHNIC COMPOSITION**
[54] **COMPOSITION PYROTECHNIQUE A FAIBLE DEGAGEMENT DE FUMEE**
[72] SALMI, LYLE, US
[72] PATTEE, SETH, US
[71] NEXT F/X INCORPORATED, US
[85] 2021-10-08
[86] 2020-04-08 (PCT/US2020/027216)
[87] (WO2020/210318)
[30] US (62/832,003) 2019-04-10

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[13] A1
[51] **Int.Cl. B64C 27/08 (2006.01) B64D 27/02 (2006.01)**
[25] EN
[54] **HYBRID PROPULSION SYSTEM AND METHOD FOR CONTROLLING SUCH A SYSTEM**
[54] **SYSTEME PROPULSIF HYBRIDE ET PROCEDE DE CONTROLE D'UN TEL SYSTEME**
[72] VIVE, LOIS PIERRE DENIS, FR
[72] KLONOWSKI, THOMAS, FR
[72] SERGHINE, CAMEL, FR
[71] SAFRAN HELICOPTER ENGINES, FR
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[30] FR (FR1904034) 2019-04-16

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[25] EN
[54] **PREPARATION SYSTEM FOR EXTRACTING A PRODUCT CONTAINED IN A CAPSULE**
[54] **SYSTEME DE PREPARATION POUR EXTRAIRE UN PRODUIT CONTENU DANS UNE CAPSULE**
[72] STAS, MARINUS BARBARA ARNOLDUS MARIA, NL
[71] STAS I.P. B.V., NL
[85] 2021-10-08
[86] 2020-04-10 (PCT/NL2020/050244)
[87] (WO2020/209721)
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[51] **Int.Cl. A61K 47/10 (2017.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS AND METHODS FOR TREATING INFLAMMATORY SKIN DISEASES**
[54] **COMPOSITIONS TOPIQUES ET METHODES DE TRAITEMENT DE MALADIES CUTANES**
[72] DAVIDSON, MATTHEW, US
[72] SAIKI, JULIE, US
[72] ANDREASSON, JOHAN, US
[71] AZORA THERAPEUTICS, INC., US
[85] 2021-10-08
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[30] US (62/835,451) 2019-04-17
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[51] **Int.Cl. C07D 277/36 (2006.01)**
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[54] **IMPROVED INHIBITORS OF THE NOTCH TRANSCRIPTIONAL ACTIVATION COMPLEX AND METHODS FOR USE OF THE SAME**
[54] **INHIBITEURS AMELIORES DU COMPLEXE D'ACTIVATION TRANSCRIPTIONNELLE NOTCH ET LEURS METHODES D'UTILISATION**
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[72] ASTUDILLO, LUISANA, US
[72] ORTON, DARREN, US
[71] UNIVERSITY OF MIAMI, US
[71] STEM SYNERGY THERAPEUTICS, INC, US
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[72] HENSKES, STEINAR FINN BOYE, NL
[71] BIRD CONTROL GROUP B.V., NL
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[54] **ANTI-CLONAGE DE MODEM CABLE**
[72] NEGAHDAR, ALI, US
[72] CARTER, WADE E., US
[71] ARRIS ENTERPRISES LLC, US
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[54] **COMMUTATEUR PERSISTANT ELECTRONIQUE**
[72] PETRY, JOSEPH, US
[72] CARROLL, BRIAN M., US
[71] ARRIS ENTERPRISES LLC, US
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[54] **METHODS FOR PRODUCING CRYSTALLINE L-GLUFOSINATE AMMONIUM MONOHYDRATE**
[54] **PROCEDES DE PRODUCTION DE L-GLUFOSINATE D'AMMONIUM MONOHYDRATE CRISTALLIN**
[72] GREEN, BRIAN MICHAEL, US
[72] WITEK, RACHEL MELISSA, US
[72] PAVLOVA, NADEJDA, US
[72] OBERHOLZER, MATTHEW RICHARD, US
[71] BASF SE, DE
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[54] **ATTRIBUTIONS DE PROFIL OFDM ET OFDMA POUR MODEMS CABLES**
[72] HANKS, WILLIAM TURNER, US
[71] ARRIS ENTERPRISES LLC, US
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[54] **TRUFFE DE GATEAU A LONGUE CONSERVATION**
[72] TANG, DONGMING, US
[72] WANG, XIAOYING, US
[72] WATTERSON, JULIA J., US
[72] BENJAMIN, SUSAN M., US
[72] PELES, ROBERT J., US
[71] THE HERSHEY COMPANY, US
[71] TANG, DONGMING, US
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[71] PELES, ROBERT J., US
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[54] **INTRODUCER NEEDLE AND RELATED CATHETER INSERTION DEVICE**
[54] **AIGUILLE DE DISPOSITIF D'INTRODUCTION ET DISPOSITIF D'INTRODUCTION DE CATHETER ASSOCIE**
[72] ISAACSON, S. RAY, US
[71] BECTON, DICKINSON AND COMPANY, US
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[51] **Int.Cl. A61B 5/153 (2006.01) A61B 5/154 (2006.01)**
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[54] **INSTRUMENT DELIVERY DEVICE HAVING A MULTI-POSITION ROTARY ELEMENT**
[54] **DISPOSITIF DE LIBERATION D'INSTRUMENT AYANT UN ELEMENT ROTATIF MULTIPOSITIONNEL**
[72] SPATARO, JOSEPH, US
[72] BURKHOLZ, JONATHAN KARL, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **INTERRUPTEUR SECURISE**
[72] PRESSOUYRE, GUILLAUME, FR
[72] SAUVAGE, PATRICK, FR
[72] SABATIER, DENIS, FR
[71] CLEARSY, FR
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[54] **NEEDLE INSERTION DEVICE FOR THE ELECTROPORATION OF A PRODUCT INTO AN EYE**
[54] **DISPOSITIF D'INSERTION D'AIGUILLES POUR L'ELECTROPORATION D'UN PRODUIT DANS UN ?IL**
[72] LAFFITTE, JEAN-DENIS, FR
[72] BEHAR-COHEN, FRANCINE, FR
[72] MOUREAUX, CHRISTOPHE, FR
[72] CABAUD, FRANCOIS, FR
[72] SCHAFER, JEROME JOSEPH, US
[72] CRAFT, TRAVIS MICHAEL, US
[72] KO, BENJAMIN LEE, US
[72] SCHUBERT, JACOB WILLIAM, US
[72] AULD, MICHAEL D, US
[71] EYEVENSYS, FR
[85] 2021-10-12
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[54] **DIALYSIS SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE DIALYSE**
[72] HU, DEAN, US
[72] PUZIN, JUSTIN THOMAS, US
[72] MILLER, STEVEN OWEN, US
[72] MILLER, TYLER JOHN, US
[72] RIVAS, LOGAN, US
[72] KIM, MICHAEL, US
[72] HOGARD, MICHAEL EDWARD, US
[72] ETTER, JEFFREY, US
[72] NELSON, TODD, US
[72] TUMBER, JAMES, US
[72] KLUNK, STEPHANIE, US
[72] BRAYFORD, PAUL, US
[72] NAYMARK, COLE, US
[71] OUTSET MEDICAL, INC., US
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[86] 2020-04-30 (PCT/US2020/030751)
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[54] **RECEPTEURS CHIMERIQUES ET LEURS METHODES D'UTILISATION**
[72] GARRISON, BRIAN SCOTT, US
[72] CHIEN, JENNIFER, US
[72] LOVING, KATHRYN ARMSTRONG, US
[72] GORDLEY, RUSSELL MORRISON, US
[72] HUNG, MICHELLE ELIZABETH, US
[71] SENTI BIOSCIENCES, INC., US
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[51] **Int.Cl. H04N 11/02 (2006.01)**
[25] EN
[54] **METHOD FOR PARAMETER SET REFERENCE IN CODED VIDEO STREAM**
[54] **PROCEDE POUR REFERENCE D'ENSEMBLE DE PARAMETRES DANS UN FLUX VIDEO CODE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
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[86] 2020-10-15 (PCT/US2020/055757)
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[51] **Int.Cl. H04N 11/02 (2006.01)**
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[54] **SIGNALING OF CODING TOOLS FOR ENCODING A VIDEO COMPONENT AS MONOCHROME VIDEO**
[54] **SIGNALISATION D'OUTILS DE CODAGE PERMETTANT DE CODER UNE COMPOSANTE VIDEO EN TANT QUE VIDEO MONOCHROME**
[72] AUYEUNG, CHEUNG, US
[72] LI, XIANG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
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[54] **METHOD FOR PARAMETER SET REFERENCE CONSTRAINTS IN CODED VIDEO STREAM**
[54] **PROCEDE POUR DES CONTRAINTES DE REFERENCE D'ENSEMBLE DE PARAMETRES DANS UN FLUX VIDEO CODE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
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[54] **PEPTIDE-BASED NON-PROTEINACEOUS CARGO DELIVERY**
[54] **DISTRIBUTION DE CARGOS NON PROTEIQUES A BASE DE PEPTIDES**
[72] HALLEE, STEPHANIE, CA
[72] BARBEAU, XAVIER, CA
[72] DEL'GUIDICE, THOMAS, CA
[72] GUAY, DAVID, CA
[72] LEPETIT-STOFFAES, JEAN-PASCAL, CA
[72] MESSIER, NANCY, CA
[71] FELDAN BIO INC., CA
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[54] **GAINE EXTENSIBLE**
[72] BROYLES, MICHAEL R., US
[72] HAARER, JOSHUA C., US
[72] HOUGE, REED A., US
[72] SHAW, EDWARD E., US
[71] W. L. GORE & ASSOCIATES, INC., US
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[51] **Int.Cl. A47G 27/02 (2006.01)**
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[54] **STABILIZATION AND LAMINATION OF TEXTILES USING INTERNAL LAYERS OF VARIABLE MELT INDEX AND CHEMICAL COMPOSITION**
[54] **STABILISATION ET STRATIFICATION DE TEXTILES A L'AIDE DE COUCHES INTERNES A INDICE DE FLUIDITE ET DE COMPOSITION CHIMIQUE VARIABLES**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN, US
[72] ZAFIROGLU, DIMITRI, US
[72] DANIELL, ANTHONY, US
[71] ENGINEERED FLOORS LLC, US
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[54] **SEALING METHOD AND MACHINE**
[54] **PROCEDE ET MACHINE DE SCELLAGE**
[72] RICHART, OLIVIER, FR
[71] SELENIUM MEDICAL, FR
[85] 2021-10-13
[86] 2020-06-08 (PCT/FR2020/050971)
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[54] **TERMINATEUR A TRIPLE HELICE POUR TRANS-EPISSAGE D'ARN EFFICACE**
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[72] BENNETT, JEAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[51] **Int.Cl. A61M 39/12 (2006.01)**
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[54] **STRUCTURES MEDICALES COMPOSITES A RIGIDIFICATION DYNAMIQUE**
[72] TILSON, ALEXANDER Q., US
[72] MORRIS, STEPHEN J., US
[72] GOMES, GARRETT J., US
[72] SCHEEFF, MARK C., US
[72] LOVE, CHARLES S., US
[72] NGUYEN, VIET ANH, US
[72] ELETHERIADES, ELIAS, US
[72] SINDLER, JONATHAN, US
[72] LOPEZ, FRANCISCO G., US
[72] KISER, ANDY C., US
[71] NEPTUNE MEDICAL INC., US
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[54] **REMOTE EQUIPMENT MONITORING SYSTEM**
[54] **SYSTEME DE TELESURVEILLANCE D'EQUIPEMENT**
[72] LINDEMAN, ADAM, US
[72] ENTERLINE, ANDREW, US
[72] DAVI, MARCUS, US
[71] CORNELL PUMP COMPANY, US
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[86] 2020-04-22 (PCT/US2020/029194)
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[30] US (62/840,025) 2019-04-29

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[54] **FIBER OPTIC CONNECTORS WITH FUNNEL-SHAPED BOOTS AND METHODS OF INSTALLING THE SAME**
[54] **CONNECTEURS DE FIBRES OPTIQUES A TETINES D'ETANCHEITE EN FORME D'ENTONNOIR ET LEURS PROCEDES DE FABRICATION**
[72] BORER, VICTOR JULIAN, US
[72] DE LOS SANTOS, ALBERT, US
[72] LARSON, DONALD KENT, US
[72] LURIE, EDWARD B., US
[72] WRIGHT, JAMESON RENSLOE, US
[72] ZIELINSKI JR., DONALD ALLEN, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
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[51] **Int.Cl. G10K 11/162 (2006.01) C08G 59/42 (2006.01) C08G 59/62 (2006.01) C08G 59/72 (2006.01) C08G 65/331 (2006.01)**
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[54] **POLYOL-EPOXIDE POLYMERS FOR NVH DAMPING APPLICATIONS**
[54] **POLYMERES POLYOL-EPOXYDE POUR DES APPLICATIONS D'AMORTISSEMENT DE NVH**
[72] O'BRIEN, MICHAEL E., US
[72] KAPLAN, WARREN A., US
[72] WOLEK, SARAH, US
[72] WESTFALL, JENNIFER S., US
[72] GANG, CALVIN, US
[71] STEPAN COMPANY, US
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[54] **PRECONNECTORIZED CABLE ASSEMBLIES FOR INDOOR/OUTDOOR/DATACENTER APPLICATIONS**
[54] **ENSEMBLES DE CABLES PRECONNECTORISES POUR APPLICATIONS INTERIEURE/EXTERIEURE/DE CENTRE DE DONNEES**
[72] ANDRUS, SCOTT FREDERICK, US
[72] COOKE, TERRY LEE, US
[72] FAULKNER, MICHAEL TODD, US
[72] NIELSEN, LARS KRISTIAN, US
[72] SULLIVAN, MARCUS RAY, US
[72] WEEKS, WENDELL PORTER, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
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[54] **ANIMAL DATA PREDICTION SYSTEM**
[54] **SYSTEME DE PREDICTION DE DONNEES D'ANIMAL**
[72] GORSKI, MARK, US
[72] KHARE, VIVEK, US
[72] MIMOTO, STANLEY, US
[71] SPORTS DATA LABS, INC., US
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[30] US (62/912,822) 2019-10-09

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[54] **COOLED MECHANICAL CIRCULATORY SUPPORT SYSTEM AND METHOD OF OPERATION**
[54] **SYSTEME DE SUPPORT CIRCULATOIRE MECANIQUE REFROIDI ET PROCEDE D'UTILISATION**
[72] JOSEPHY, NOAM, US
[72] CURRAN, JERALD, US
[71] ABIOMED, INC., US
[85] 2021-10-14
[86] 2020-04-18 (PCT/US2020/028876)
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[54] **MONETIZATION OF ANIMAL DATA**
[54] **MONETISATION DE DONNEES ANIMALES**
[72] GORSKI, MARK, US
[72] KHARE, VIVEK, US
[72] MIMOTO, STANLEY, US
[71] SPORTS DATA LABS, INC., US
[85] 2021-10-14
[86] 2020-04-15 (PCT/US2020/028355)
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[30] US (62/834,131) 2019-04-15
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[51] **Int.Cl. C07C 211/62 (2006.01) A61K 31/205 (2006.01) A61P 25/26 (2006.01) A61P 25/28 (2006.01) C07C 53/10 (2006.01) C07C 55/10 (2006.01) C07C 57/145 (2006.01) C07C 57/15 (2006.01) C07C 59/245 (2006.01) C07C 59/265 (2006.01) C07C 209/68 (2006.01) C07C 211/06 (2006.01)**
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[54] **HEXYLAMINE SALTS AND METHODS OF USING HEXYLAMINE**
[54] **SELS D'HEXYLAMINE ET PROCEDES D'UTILISATION D'HEXYLAMINE**
[72] KRAMER, RONALD, US
[72] NIKOLAIDIS, ALEXANDROS, GR
[71] THERMOLIFE INTERNATIONAL, LLC, US
[85] 2021-10-14
[86] 2020-04-16 (PCT/US2020/028566)
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[30] US (62/834,878) 2019-04-16
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[51] **Int.Cl. B64C 25/66 (2006.01) B64C 25/10 (2006.01) B64C 25/32 (2006.01) B64D 1/16 (2006.01) B64D 1/22 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **SURFING ARRANGEMENT FOR MOUNTING TO AN AIRCRAFT, AND AN AIRCRAFT COMPRISING SUCH AN ARRANGEMENT**
[54] **AGENCEMENT DE SURF DESTINE AU MONTAGE SUR UN AERONEF, ET AERONEF COMPRENANT UN TEL AGENCEMENT**
[72] PAJUS, DAVID, SE
[71] NORTHERN FLIGHT SERVICE AB, SE
[85] 2021-10-14
[86] 2020-04-16 (PCT/SE2020/050392)
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[54] **KERATOPROSTHESIS DEVICES AND KITS AND SURGICAL METHODS OF THEIR USE**
[54] **DISPOSITIFS ET KITS DE KERATOPROTHESE ET PROCEDES CHIRURGICAUX POUR LEUR UTILISATION**
[72] LITVIN, GILAD, IL
[72] ALEY-RAZ, ALMOG, IL
[71] CORNEAT VISION LTD., IL
[85] 2021-10-14
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[72] VAN WISSEN, LISANNE ALIEDA, NL
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[71] FERROVAC GMBH, CH
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[54] **PROCEDES POUR AMELIORER L'ADHERENCE D'UN REVETEMENT A UNE SURFACE DE SUBSTRAT ET ARTICLES FABRIQUES A PARTIR DE CEUX-CI**
[72] HUSSAIN, SADAKAT, US
[72] PHILLIPS, JR., DAVID EUGENE, US
[72] CRAWSHAW, DENNIS BRUCE, US
[72] BACHUS, MATTHEW JOHN, US
[71] INTERNATIONAL PARER COMPANY, US
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[72] SARDES, AHISHAY, IL
[72] DEKEL, RAN, IL
[72] AKNIN, AMIT, IL
[72] SEGEV, TOMER, IL
[72] STARIK, ERAN, IL
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[72] AVIGUR, EYLON, IL
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[71] NIGRO, FILIPPO, IT
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[54] **UTILISATION DE COMPOSE DANS LA PREPARATION D'UN MEDICAMENT POUR TRAITER L'ATHEROSCLEROSE**
[72] FU, XIN-YUAN, CN
[72] LIU, XINYU, CN
[72] ZHOU, YI, CN
[72] LUFEI, CHENGCHEN, CN
[72] LU, CENBIN, CN
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[54] **TECHNIQUES FOR SIGNALING COMBINATION OF REFERENCE PICTURE RESAMPLING AND SPATIAL SCALABILITY**
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[72] WENGER, STEPHAN, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
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[54] **TECHNIQUES FOR RANDOM ACCESS POINT INDICATION AND PICTURE OUTPUT IN CODED VIDEO STREAM**
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[54] **FORMULATIONS D'ANTICORPS STABLES ET A FAIBLE VISCOSITE ET LEURS UTILISATIONS**
[72] SALUJA, ATUL, US
[72] GANGULY, MANJORI, US
[72] REMBERT, KELVIN, US
[72] GOKARN, YATIN, US
[71] SANOFI, FR
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[54] **DISPOSITIF DE NETTOYAGE D'UN OBJET**
[72] BOURHIS, MATHIEU, FR
[72] MUNOZ, THOMAS, FR
[72] HOULLIER, CLEMENT, FR
[72] PRIETO, MAXIME, FR
[71] AUUM, FR
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[54] **COMMANDE DE PERFUSION CONTENANT DE LA BIOMASSE AUTOMATISEE DANS LA FABRICATION DE PRODUITS BIOLOGIQUES**
[72] KHURSHID, MADIHA, DE
[71] AMGEN INC., US
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[54] **ADC POUR UN TRAITEMENT CONCOMITANT OU POSTERIEUR AU DOCETAXEL**
[72] JOUHANNEAUD, ALEXANDRA, FR
[72] GOETSCH, LILIANE, FR
[71] PIERRE FABRE MEDICAMENT, FR
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[54] **PROCEDE DE MODIFICATION DE SURFACE DE SUBSTRATS EN TITANE ET EN ALLIAGE DE TITANE**
[72] FABIJANIC, DANIEL, AU
[72] LANTZKE, GARY, AU
[72] ELLIS, JOSEPH, AU
[71] CALLIDUS WELDING SOLUTIONS PTY LTD, AU
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[54] **A COMPUTER-IMPLEMENTED METHOD FOR ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY AND A MEASUREMENT DEVICE FOR THE SAME**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR POUR SPECTROSCOPIE D'IMPEDANCE ELECTROCHIMIQUE ET DISPOSITIF DE MESURE POUR CELUI-CI**
[72] KRISTON, AKOS, IT
[72] PFRANG, ANDREAS, NL
[71] THE EUROPEAN UNION, REPRESENTED BY THE EUROPEAN COMMISSION, BE
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[54] **ENCEINTE DE TOILETTES REPLIABLE**
[72] NAMESPETRA, JUSTIN L., CA
[72] O'NEIL, JAMIE, CA
[72] HENGSPERGER, STEVE L., CA
[71] ADVANTAGE ENGINEERING INC., CA
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[54] **MICROORGANISM WITH ENHANCED L-HISTIDINE PRODUCTION CAPACITY AND METHOD FOR PRODUCING HISTIDINE BY USING SAME**
[54] **MICRO-ORGANISME AYANT UNE CAPACITE DE PRODUCTION DE L-HISTIDINE AMELIOREE ET PROCEDE DE PRODUCTION D'HISTIDINE PAR UTILISATION DE CELUI-CI**
[72] HUH, LAN, KR
[72] KWON, NARA, KR
[72] SEO, CHANG IL, KR
[71] CJ CHEILJEDANG CORPORATION, KR
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[54] **AFFINE LINEAR WEIGHTED INTRA PREDICTION IN VIDEO CODING**
[54] **PREDICTION INTRA PONDEREE LINEAIRE AFFINE DANS UN CODAGE VIDEO**
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] VAN DER AUWERA, GEERT, US
[72] PHAM VAN, LUONG, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
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[54] **SYSTEMES ELECTROHYDRODYNAMIQUES ROTATIFS ET PROCEDES ASSOCIES**
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[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
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[54] **FLEXIBLE CONTAINER AND PROCESS FOR INSTALLATION OF FITMENT IN SAME**
[54] **RECIPIENT SOUPLE ET PROCEDE POUR L'INSTALLATION D'UN ACCESSOIRE DANS CELUI-CI**
[72] WILKES, KENNETH, US
[72] AVALOS, MIGUEL, US
[72] FRENCH, RYAN, US
[72] KIFFMEYER, JOHN, US
[71] SMART BOTTLE, INC., US
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[54] **SUPPORT DE MONTAGE A GEOMETRIE VARIABLE POUR UN RAIL DIN**
[72] CORRELL, MICHAEL ANTHONY, US
[72] FRYE, SCOTT MICHAEL, US
[71] PHOENIX CONTACT DEVELOPMENT AND MANUFACTURING, INC., US
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[54] **IMAGE-BASED LOCALIZATION**
[54] **LOCALISATION BASEE SUR UNE IMAGE**
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[72] POLLEFEYS, MARC ANDRE LEON, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[72] KNOBLER, ROBERT L., US
[71] KNOBLER, ROBERT L., US
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[54] **CORRESPONDANCE DE SIGNATURE DE RESONANCE MAGNETIQUE (MRSIGMA) POUR SUIVI DE MOUVEMENT VOLUMETRIQUE EN TEMPS REEL ET RADIOTHERAPIE ADAPTATIVE**
[72] TORRES, JOSE RICARDO OTAZO, US
[72] FENG, LI, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[54] **PROCEDES ET COMPOSTIONS POUR LA PREPARATION DE BANQUE DE SEQUENCAGE DE NOUVELLE GENERATIONS (NGS)**
[72] MONTGOMERY, JESSE L., US
[71] CO-DIAGNOSTICS, INC., US
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[54] **COMPOSITIONS D'ACIDE NUCLEIQUE ET METHODES DE SAUT MULTI-EXON**
[72] DARIMONT, BEATRICE DIANA, US
[72] SHI, YUNYU, US
[72] COCHRAN, MICHAEL CARAMIAN, US
[72] GEALL, ANDREW JOHN, US
[71] AVIDITY BIOSCIENCES, INC., US
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[54] **MANIPULATION ACOUSTIQUE DE SOUS-LONGUEUR D'ONDE PROFONDE DE FORME ARBITRAIRE POUR FORMATION DE MOTIF DE MICROPARTICULES ET DE CELLULES**
[72] CHIOU, PEI, YU E., US
[72] TUNG, KUAN-WEN, US
[72] WU, BENJAMIN M., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **TOPOLOGIES D'ENTRAINEMENT DE MOTEUR POUR LA TRACTION ET LA CHARGE DANS DES VEHICULES ELECTRIFIES**
[72] KUNDU, ANIMESH, CA
[72] BALAMURALI, AISWARYA, CA
[72] DHULIPATI, HIMAVARSHA, CA
[72] KAR, NARAYAN CHANDRA, CA
[72] IYER, LAKSHMI VARAHA, US
[72] SCHLAGER, GERD, AT
[72] KORTA, PHILIP, US
[72] BAECK, WOLFGANG, AT
[71] MAGNA INTERNATIONAL INC., CA
[71] UNIVERSITY OF WINDSOR, CA
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[54] **RACCORD D'APPAREIL DE PLOMBERIE ELECTRONIQUE COMPRENANT UN SYSTEME DE MESURE**
[72] POLLY, GEORGE JOHN, US
[72] NOVICK, CHRISTOPHER R., US
[72] FRACKELTON, BRIAN PATRICK, US
[71] FB GLOBAL PLUMBING GROUP LLC, US
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[54] **DEVICE FOR PERSONAL PREDICTIVE ENRICHMENT OF A BIOMARKER AND METHODS OF USE THEREOF**
[54] **DISPOSITIF POUR L'ENRICHISSEMENT PREDICTIF PERSONNEL D'UN BIOMARQUEUR ET SES METHODES D'UTILISATION**
[72] KELLY, SEAN, US
[72] HAMM, CHRISTOPHER A., US
[71] KELLY, SEAN, US
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[54] **GENE TARGETS FOR NITROGEN FIXATION TARGETING FOR IMPROVING PLANT TRAITS**
[54] **CIBLES GENIQUES POUR LE CIBLAGE DE LA FIXATION D'AZOTE POUR AMELIORER LES CARACTERISTIQUES DE PLANTES**
[72] TEMME, KARSTEN, US
[72] TAMSIR, ALVIN, US
[72] BLOCH, SARAH, US
[72] SHAH, NEAL, US
[72] JOHNSON, JENNY, US
[72] OZAYDIN, BILGE, US
[71] PIVOT BIO, INC., US
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[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'OLIGONUCLEOTIDES ET LEURS PROCEDES D'UTILISATION**
[72] BYRNE, MICHAEL JOHN, US
[72] VATHIPADIEKAL, VINOD, US
[72] IWAMOTO, NAOKI, US
[72] VARGEESE, CHANDRA, US
[72] GUO, LANKAI, US
[71] WAVE LIFE SCIENCES LTD., SG
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[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'OLIGONUCLEOTIDES ET LEURS METHODES D'UTILISATION**
[72] BYRNE, MICHAEL JOHN, US
[72] VATHIPADIEKAL, VINOD, US
[72] IWAMOTO, NAOKI, US
[72] VARGEESE, CHANDRA, US
[72] GUO, LANKAI, US
[72] HOSS, ANDREW GUZIOR, US
[71] WAVE LIFE SCIENCES LTD., SG
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[54] **METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR TRANSACTION MANAGEMENT SPANNING MULTIPLE HETEROGENEOUS COMPUTING NETWORKS**
[54] **PROCEDE, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR POUR LA GESTION DE TRANSACTIONS COUVRANT DE MULTIPLES RESEAUX INFORMATIQUES HETEROGENES**
[72] DONEY, GEORGE, US
[72] SHKAPO, ILYA, UA
[71] SECURRENCY, INC., US
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[86] 2020-04-29 (PCT/US2020/030350)
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[54] **SYSTEMS, METHODS, AND STORAGE MEDIA FOR MANAGING DIGITAL LIQUIDITY TOKENS IN A DISTRIBUTED LEDGER PLATFORM**
[54] **SYSTEMES, PROCEDES ET SUPPORTS DE STOCKAGE POUR LA GESTION DE JETONS DE LIQUIDITE NUMERIQUE DANS UNE PLATEFORME DE REGISTRE DISTRIBUE**
[72] DONEY, GEORGE, US
[71] SECURRENCY, INC., US
[85] 2021-10-21
[86] 2020-04-29 (PCT/US2020/030446)
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[30] US (62/839,969) 2019-04-29
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[54] **RECEPTACLE TRANSPORT SYSTEM FOR AN ANALYTICAL SYSTEM**
[54] **SYSTEME DE TRANSPORT DE RECEPTACLE POUR SYSTEME ANALYTIQUE**
[72] SILBERT, ROLF, US
[72] PENG, HONGRAN, US
[72] BUSE, DAVID AARON, US
[72] COMBS, DAVID H., US
[71] GEN-PROBE INCORPORATED, US
[85] 2021-10-21
[86] 2020-04-29 (PCT/US2020/030481)
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[30] US (62/842,585) 2019-05-03
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[54] **INTERMEDIARY HANDLING OF IDENTITY SERVICES TO GUARD AGAINST CLIENT SIDE ATTACK VECTORS**
[54] **GESTION INTERMEDIAIRE DE SERVICES D'IDENTITE POUR PROTEGER CONTRE DES VECTEURS D'ATTAQUE COTE CLIENT**
[72] BONCI, JASON C., US
[71] AKAMAI TECHNOLOGIES, INC., US
[85] 2021-10-21
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[54] **A SYSTEM FOR OBTAINING A PHOTOPOLYMERIZED PREPOLYMER**
[54] **SYSTEME POUR OBTENIR UN PREPOLYMERE PHOTOPOLYMERISE**
[72] INDYK, DENIS, US
[72] TRUSHIN, ALEXANDER, US
[72] TRUSHINA, ANNA, US
[72] DUBOV, ALEKSEI, US
[72] STARODUBTSEV, DMITRY, US
[72] SOLONITSYN, SLAVA, US
[71] MIGHTY BUILDINGS, INC., US
[85] 2021-10-21
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[54] **INHIBITION OF IL-1 AND IL-6 INFLAMMATION**
[54] **INHIBITION DE L'INFLAMMATION D'IL-1 ET D'IL-6**
[72] GRASSETTI, DAVIDE R. (DECEASED), XX
[72] MORO, CAMILLO (DECEASED), XX
[72] GRASSETTI, RICHARD A., US
[71] THIOLAB, LLC,, US
[85] 2021-10-21
[86] 2020-05-01 (PCT/US2020/030974)
[87] (WO2020/223608)
[30] US (62/842,081) 2019-05-02
[30] US (63/010,553) 2020-04-15

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[51] **Int.Cl. G06Q 30/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **DIGITAL ANTHROPOLOGY AND ETHNOGRAPHY SYSTEM**
[54] **SYSTEME D'ANTHROPOLOGIE ET D'ETHNOGRAPHIE NUMERIQUE**
[72] INGRAM, JAMES A., US
[72] LAGARDE, BENOIT, US
[72] GUNTHER, PETER, US
[72] KEEBER, JASON, US
[72] WALSHAM, THOMAS, CA
[72] VARGA, JAMES, CA
[72] ZUCKER, JOSH, CA
[72] DODSON, RICHARD C., GB
[72] WASHBURNE, THEODORE POMEROY, US
[71] SPLASHLIGHT HOLDING LLC, US
[85] 2021-10-21
[86] 2020-05-01 (PCT/US2020/030999)
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[30] US (62/842,263) 2019-05-02

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[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMICALLY LOADING AREA-BASED AUGMENTED REALITY CONTENT**
[54] **SYSTEMES ET PROCEDES DE CHARGEMENT DE FACON DYNAMIQUE DE CONTENU DE REALITE AUGMENTEE BASE SUR UNE ZONE**
[72] HARE, JUSTIN ALLEN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-10-20
[86] 2020-05-04 (PCT/US2020/031268)
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[54] **DISTRIBUTED FILE LOCKING FOR A NETWORK FILE SHARE**
[54] **VERROUILLAGE DE FICHIER DISTRIBUE DESTINE A UN PARTAGE DE FICHIERS EN RESEAU**
[72] R., DEEPAK, US
[72] SHRIVASTAV, SHAILENDRA, US
[72] KALAGOND, SANGAMESH VISHWESHWAR, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-10-21
[86] 2020-05-06 (PCT/US2020/031584)
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[30] US (62/845,518) 2019-05-09
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[54] **ANCHOR SYSTEM FOR RETAINING A DEVICE IN TISSUE**
[54] **SYSTEME D'ANCRAGE POUR RETENIR UN DISPOSITIF DANS UN TISSU**
[72] SPEHR, PAUL, US
[72] PITTS, KATHERINE, US
[72] PINA, ISABELL, US
[72] NELSON, CHARLES GREGORY, US
[72] COSGROVE, KENNETH R., US
[71] INCUBE LABS, LLC, US
[85] 2021-10-21
[86] 2020-05-07 (PCT/US2020/031907)
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[30] US (62/845,808) 2019-05-09
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[54] **MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION**
[54] **MEDIATION DE DEGRADATION DE SIGNAL D'ANALYTE IN VIVO**
[72] CHATTERJEE, JOON, US
[72] MOHANTY, SANAT, US
[72] HUFFSTETLER, PHILIP, US
[71] SENSEONICS, INCORPORATED, US
[85] 2021-10-21
[86] 2020-05-07 (PCT/US2020/031916)
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[25] EN
[54] **UNFOLDABLE DEVICE FOR CONTROLLING LOSS CIRCULATION**
[54] **DISPOSITIF DEPLIABLE DE COMMANDE DE PERTE DE CIRCULATION**
[72] MUSSO, SIMONE, US
[72] SANTRA, ASHOK, US
[72] SHANMUGAM, SIVAPRAKASH, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-21
[86] 2020-05-14 (PCT/US2020/032992)
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[51] **Int.Cl. G01N 15/08 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING CORE PERMEABILITY IN PULSE DECAY EXPERIMENTS**
[54] **PROCEDES ET SYSTEMES DE DETERMINATION DE LA PERMEABILITE DE NOYAU DANS DES EXPERIENCES D'EXTINCTION DE L'IMPULSION**
[72] ZHANG, JILIN JAY, US
[72] LIU, HUI-HAI, US
[72] CHEN, HUANGYE, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-21
[86] 2020-05-14 (PCT/US2020/032994)
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[54] **DETERMINING THE THICKNESS PROFILE OF WORK PRODUCTS**
[54] **DETERMINATION DU PROFIL D'EPAISSEUR DE PRODUITS A TRAVAILLER**
[72] PFANSTIEL, DAVID, US
[72] HOLMES, DANIEL, US
[72] STOCKARD, RICHARD D., US
[72] VOGELEY, JR., ARTHUR W., US
[71] JOHN BEAN TECHNOLOGIES CORPORATION, US
[85] 2021-10-21
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[51] **Int.Cl. C12N 15/12 (2006.01) C12N 15/113 (2010.01) A01K 67/027 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED TTR LOCUS WITH A BETA-SLIP MUTATION AND METHODS OF USE**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS TTR HUMANISE AYANT UNE MUTATION BETA-SLIP ET PROCEDES D'UTILISATION**
[72] HAINES, JEFFERY, US
[72] CROSBY, KEITH, US
[72] DRUMMOND SAMUELSON, MEGHAN, US
[72] FRENDEWEY, DAVID, US
[72] ZAMBROWICZ, BRIAN, US
[72] MURPHY, ANDREW J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-10-21
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[30] US (62/856,999) 2019-06-04

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[51] **Int.Cl. A47C 3/025 (2006.01) A47C 3/02 (2006.01) A47C 3/021 (2006.01) A47C 3/023 (2006.01) A47C 4/00 (2006.01) A47C 4/04 (2006.01) A47C 4/28 (2006.01)**
[25] EN
[54] **CHAIR**
[54] **SIEGE**
[72] GARRISON, SCOTT A., US
[71] SHELTERLOGIC CORP., US
[85] 2021-07-08
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[51] **Int.Cl. A45F 4/02 (2006.01) A45F 3/02 (2006.01) A45F 3/04 (2006.01) A45F 3/08 (2006.01) A45F 4/00 (2006.01) A47C 4/00 (2006.01)**
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[54] **A COMBINATION CHAIR AND BACKPACK ARRANGEMENT**
[54] **AGENCEMENT DE CHAISE ET SAC A DOS COMBINES**
[72] GARRISON, SCOTT A., US
[71] SHELTERLOGIC CORP., US
[85] 2021-07-08
[86] 2020-01-03 (PCT/US2020/012143)
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[30] US (62/790,205) 2019-01-09

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[51] **Int.Cl. A01K 67/027 (2006.01) C07K 14/765 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED ALBUMIN LOCUS**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS D'ALBUMINE HUMANISE**
[72] FANG, QING, US
[72] SIAO, CHIA-JEN, US
[72] CHALOTHORN, DAN, US
[72] LAI, KEHDIH, US
[72] SABIN, LEAH, US
[72] SATTLER, RACHEL, US
[72] ZAMBROWICZ, BRIAN, US
[72] MORTON, LORI, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **MODELS OF TAUOPATHY**
[54] **MODELES DE TAUOPATHIE**
[72] MCWHIRTER, JOHN, US
[72] BHOWMICK, ARIJIT, US
[72] PRISSETTE, MARINE, US
[72] KOSS, MATTHEW, US
[72] DESCLAUX, MATHIEU, US
[72] FRENDEWEY, DAVID, US
[72] ZAMBROWICZ, BRIAN, US
[72] RACIOPPI, CLAUDIA, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **TRACKING DEVICE WITH MODE AND BATTERY LIFE**
[54] **DISPOSITIF DE SUIVI AVEC MODE ET DUREE DE VIE DE BATTERIE**
[72] CZARNECKY, JOSEPH, US
[72] ROOK, STEVEN, US
[72] CRUTCHFIELD, SCOTT, US
[72] STAIR, GREGORY, US
[71] PINPOINT IDEAS, LLC, US
[85] 2021-10-21
[86] 2020-04-23 (PCT/US2020/029547)
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[54] **METHOD OF MAKING A DEFLECTION MEMBER**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT DE DEVIATION**
[72] BRENT, JOHN LESLIE JR., US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-10-21
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[54] **PAPD5 INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE PAPD5 ET LEURS PROCEDES D'UTILISATION**
[72] NAGPAL, NEHA, US
[72] AGARWAL, SUNEET, US
[72] PIWINSKI, JOHN J., US
[72] WEBER, PATRICIA C., US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
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[54] **METHODS TO SOLIDIFY CREMATION REMAINS**
[54] **PROCEDES PERMETTANT DE SOLIDIFIER DES RESTES DE CREMATION**
[72] CROWE, JUSTIN D., US
[71] CHRONICLE CREMATION DESIGNS LLC (DBA PARTING STONE), US
[85] 2021-10-21
[86] 2020-04-23 (PCT/US2020/029645)
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[30] US (62/839,630) 2019-04-27
[30] US (62/905,146) 2019-09-24

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[51] **Int.Cl. E21B 43/38 (2006.01) B01D 17/02 (2006.01) B01D 19/00 (2006.01) E21B 34/06 (2006.01) E21B 43/12 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **HORIZONTAL GAS AND LIQUID BYPASS SEPARATOR**
[54] **SEPARATEUR DE DERIVATION DE GAZ ET DE LIQUIDE HORIZONTAL**
[72] RAGLIN, JOHN M., US
[71] WELLWORX ENERGY SOLUTIONS LLC, US
[85] 2021-10-21
[86] 2020-04-24 (PCT/US2020/029678)
[87] (WO2020/219785)
[30] US (62/838,082) 2019-04-24
[30] US (16/856,186) 2020-04-23

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[51] **Int.Cl. B25J 9/16 (2006.01) B25J 19/02 (2006.01)**
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[54] **PERFORMANCE ARENA FOR ROBOTS WITH POSITION LOCATION SYSTEM**
[54] **SALLE DE SPECTACLE POUR ROBOTS AVEC SYSTEME DE LOCALISATION DE POSITION**
[72] RANDALL, MITCH, US
[72] MIMLITCH, III, ROBERT H., US
[71] INNOVATION FIRST, INC., US
[85] 2021-10-21
[86] 2020-04-24 (PCT/US2020/029682)
[87] (WO2020/219788)
[30] US (62/837,797) 2019-04-24
[30] US (16/856,256) 2020-04-23
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[51] **Int.Cl. G05D 21/02 (2006.01)**
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[54] **POSITIONALLY ASSISTED NEGATIVE PARTICLE REJECTION (PANR) TO SORT AND ENRICH TARGET CELLS OF INTEREST**
[54] **REJET DE PARTICULES NEGATIVES ASSISTE PAR POSITIONNEMENT (PANR) POUR TRIER ET ENRICHIR DES CELLULES CIBLES D'INTERET**
[72] GRAVES, STEVEN, US
[72] FREYER, JAMES, US
[72] WOODS, TRAVIS A., US
[71] BENNUBIO INC., US
[85] 2021-10-21
[86] 2020-04-24 (PCT/US2020/029706)
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[30] US (62/837,769) 2019-04-24

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[51] **Int.Cl. A61K 31/395 (2006.01) A61K 33/34 (2006.01) A61K 51/04 (2006.01) A61P 35/00 (2006.01) C07D 487/08 (2006.01) C07F 1/08 (2006.01)**
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[54] **FORMULATIONS OF PSMA IMAGING AGENTS**
[54] **FORMULATIONS D'AGENTS D'IMAGERIE PSMA**
[72] DONNELLY, PAUL STEPHEN, AU
[72] ZIA, NICHOLAS ALAN, AU
[72] SPARE, LAWSON KYLE, AU
[72] VAN DAM, ELLEN MARIANNE, AU
[72] KUAN, KEVIN KAR WENG, AU
[71] CLARITY PHARMACEUTICALS LIMITED, AU
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[30] AU (2019901765) 2019-05-24

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[51] **Int.Cl. B41J 3/28 (2006.01) B65H 5/00 (2006.01) G06K 13/00 (2006.01)**
[25] EN
[54] **A DEVICE AND A METHOD FOR PERSONALIZING DOCUMENTS**
[54] **DISPOSITIF ET PROCEDE DE PERSONNALISATION DE DOCUMENTS**
[72] DABROWSKI, HUBERT, DE
[72] KLEINDIENST, UWE, DE
[71] MUHLBAUER GMBH & CO. KG, DE
[85] 2021-10-22
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[30] DE (10 2019 205 872.8) 2019-04-24

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[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **BUILDING-INTEGRATED LOT MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE LOT INTEGRE A UN BATIMENT**
[72] FIELDSEND, CHELSEA, CA
[72] JOHNSTON, SAM-NICOLAI, CA
[72] GUILLEMETTE, CEDRIC, CA
[72] PRAUCHNER, DARLINGTON, CA
[72] RENAULT, MARC, CA
[72] LEROUX, RONAN, CA
[72] COUTURIER, CATHERINE, CA
[72] HO-TIN-NOE, VINCENT, CA
[72] BACH, TUAN, CA
[72] KERGIN, CHRIS, CA
[72] SHAH, DAN, CA
[72] ATALLAH, RAMI, CA
[71] ATALLAH GROUP INC., CA
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[87] (WO2020/220108)

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[51] **Int.Cl. H02J 3/32 (2006.01) H02J 3/06 (2006.01) H02J 3/38 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR DISTRIBUTING ELECTRICAL POWER**
[54] **SYSTEME ET METHODE DE DISTRIBUTION D'ENERGIE ELECTRIQUE**
[72] BIRLING, FRANCOIS, CH
[72] AFFOLTER, JEAN-FRANCOIS, CH
[72] BERWEILER, GEORGES, CH
[71] HOMSPHERE SA, CH
[85] 2021-10-22
[86] 2020-04-24 (PCT/EP2020/061415)
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[30] EP (19170980.7) 2019-04-25

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[51] **Int.Cl. A61G 5/02 (2006.01) A61G 5/10 (2006.01) B60B 33/00 (2006.01)**
[25] EN
[54] **ANTI-TIP WHEELCHAIR**
[54] **FAUTEUIL ROULANT ANTI-BASCULEMENT**
[72] ROBERT, MAEL, FR
[71] INVACARE INTERNATIONAL GMBH, CH
[85] 2021-10-22
[86] 2020-04-16 (PCT/IB2020/053606)
[87] (WO2020/217142)
[30] EP (19170721.5) 2019-04-23

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[51] **Int.Cl. G16H 10/20 (2018.01) H04M 3/51 (2006.01)**
[25] EN
[54] **REGISTRATION OF EMERGENCIES**
[54] **ENREGISTREMENT D'URGENCES**
[72] HERRMANN, IVAN TENGBJERG, DK
[71] Q2M2 APS, DK
[85] 2021-10-22
[86] 2020-04-24 (PCT/EP2020/061462)
[87] (WO2020/216900)
[30] DK (PA 2019 70265) 2019-04-26

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[25] EN
[54] **FLEA BEETLE-SPECIFIC RNAI-BASED PESTICIDES**
[54] **PESTICIDES A BASE D'ARNI SPECIFIQUES DES ALTISES**
[72] WHYARD, STEVE, CA
[71] UNIVERSITY OF MANITOBA, CA
[85] 2021-10-22
[86] 2020-04-14 (PCT/CA2020/050497)
[87] (WO2020/215149)
[30] US (62/837,958) 2019-04-24

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[13] A1
[51] **Int.Cl. F24F 11/30 (2018.01) F24F 11/39 (2018.01) G05B 23/02 (2006.01) G06F 11/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING THE CONDITION OF AN AIR FILTER AND OF AN HVAC SYSTEM**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE L'ETAT D'UN FILTRE A AIR ET D'UN SYSTEME DE CVCA**
[72] TAGHVAEEYAN, SABER, US
[72] SHANNON, ROBERT W., US
[72] PACHAURI, DEEPTI, US
[72] LINZIE, BRIAN L., US
[72] GOLNARI, GOLSHAN, US
[72] KADKHODAIE ELYADERANI, MOJTABA, US
[72] ECHEVERRI, NICOLAS A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2021-10-22
[86] 2020-04-22 (PCT/IB2020/053828)
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[30] US (62/837,484) 2019-04-23

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[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE**
[72] SCHRAUB, MARTIN, DE
[72] DOBELMANN-MARA, LARS, DE
[72] HELMSTETTER, SIMON, DE
[72] MOORE, DAVID, DE
[72] RIEDMUELLER, STEFAN, DE
[72] GUENTHER, HARALD, DE
[71] MERCK PATENT GMBH, DE
[85] 2021-10-22
[86] 2020-04-24 (PCT/EP2020/061507)
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[13] A1
[51] **Int.Cl. E01B 5/16 (2006.01) E01B 26/00 (2006.01)**
[25] EN
[54] **RAIL CLAMP CONNECTOR**
[54] **CONNECTEUR DE TENAILLE A RAILS**
[72] GRIMWADE, DAVID JAMES, GB
[72] ALGAR, NEIL, GB
[72] MULVAY, CRAIG, NZ
[71] PANDROL (VORTOK) LTD, GB
[85] 2021-10-22
[86] 2020-04-28 (PCT/EP2020/061796)
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[30] GB (1906254.6) 2019-05-03

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[51] **Int.Cl. A61N 7/00 (2006.01) H01R 12/77 (2011.01) B06B 1/00 (2006.01) B06B 1/06 (2006.01)**
[25] EN
[54] **ULTRASOUND APPARATUS AND RELATED METHODS OF USE**
[54] **APPAREIL A ULTRASONS ET METHODES D'UTILISATION ASSOCIEES**
[72] SCURTESCU, CRISTIAN, CA
[72] REBSTOCK, STEPHEN, CA
[72] GERMAIN, CHRISTOPHER, CA
[71] SMILESONICA INC., CA
[85] 2021-10-22
[86] 2020-07-15 (PCT/CA2020/050986)
[87] (WO2021/007672)
[30] US (62/874,774) 2019-07-16

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[13] A1
[51] **Int.Cl. B22D 15/00 (2006.01) B22C 9/22 (2006.01) B22D 27/04 (2006.01) B22D 30/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REMOVING AT LEAST ONE COOLING ELEMENT FROM AN AT LEAST PARTIALLY DEMOULDED CAST PART, METHOD FOR INTRODUCING AT LEAST ONE COOLING ELEMENT INTO A MOULD CORE OF A CAST PART MOULD, COOLING ELEMENT AND CAST PART**
[54] **DISPOSITIF ET PROCEDE POUR RETIRER AU MOINS UN ELEMENT DE REFROIDISSEMENT D'UNE PIECE MOULEE AU MOINS PARTIELLEMENT DEMOULEE, PROCEDE POUR INTRODUIRE AU MOINS UN ELEMENT DE REFROI DISSEMENT DANS UN NOYAU DE MOULE D'UN MOULE DE COULEE, ELEMENT DE REFROIDISSEMENT ET PIECE MOULEE**
[72] BARANZKE, MATTHIAS, DE
[72] WILHELM, JOCHEN, DE
[72] KLAUS, GERALD, DE
[72] WEISER, THOMAS, DE
[72] SCHNUBEL, DIRK, DE
[71] NEMAK. S.A.B. DE C.V., MX
[85] 2021-10-22
[86] 2020-04-23 (PCT/IB2020/053845)
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[51] **Int.Cl. C12N 5/071 (2010.01)**
[25] EN
[54] **PREPARATION OF HUMAN ALLOGENEIC LIVER-DERIVED PROGENITOR CELLS**
[54] **PREPARATION DE CELLULES PROGENITRICES DERIVEES DU FOIE ALLOGENIQUES HUMAIN**
[72] STRAGIER, PATRICK, BE
[72] PINXTEREN, JOZEF, BE
[72] DELTOUR, ELODIE, BE
[72] BOVY, THIERRY, BE
[71] PROMETHERA THERAPEUTICS SA, BE
[85] 2021-10-22
[86] 2020-04-30 (PCT/EP2020/061987)
[87] (WO2020/221843)
[30] EP (19172076.2) 2019-04-30

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[51] **Int.Cl. A61K 8/44 (2006.01) A61Q 11/00 (2006.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/26 (2006.01) A61K 8/92 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'HYGIENE BUCCALE ET LEURS METHODES D'UTILISATION**
[72] HAO, ZHIGANG, US
[72] LASKOWSKI, ERIN, US
[72] YEUNG, VICTORIA, US
[72] BANKOVA, MANIA, US
[72] PAN, LONG, US
[72] XU, YUN, US
[72] YAN, PENG, CN
[72] SUN, FUSONG, US
[72] YANG, ZHENG, CN
[72] CHENG, CHI-YUAN, US
[72] BRINZARI, TATIANA, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2021-10-22
[86] 2019-04-25 (PCT/CN2019/084164)
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[51] **Int.Cl. D03D 1/02 (2006.01) B60R 21/235 (2006.01)**
[25] EN
[54] **ULTRA LOW PERMEABILITY AND HIGH SEAM STRENGTH FABRIC AND METHODS OF MAKING THE SAME**
[54] **TISSU A ULTRA-FAIBLE PERMEABILITE ET A RESISTANCE ELEVEE DES COUTURES ET SES PROCEDES DE FABRICATION**
[72] HUNT, NEIL, US
[71] INVISTA TEXTILES (U.K.) LIMITED, GB
[85] 2021-10-22
[86] 2020-04-28 (PCT/IB2020/053963)
[87] (WO2020/222111)
[30] US (62/840,427) 2019-04-30

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[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01)**
[25] EN
[54] **ALLOGENEIC CAR-T CELL, PREPARATION THEREFOR, AND APPLICATION THEREOF**
[54] **CELLULES CAR-T ALLOGENIQUES, LEUR PREPARATION ET LEUR UTILISATION**
[72] LI, JUN, CN
[72] ZHANG, PENGCHAO, CN
[72] XU, ZHAO, CN
[72] HE, LING, CN
[72] LIU, WEIKANG, CN
[72] JIANG, YUCHEN, CN
[72] QIN, HANXIAO, CN
[72] XIA, YU, CN
[71] FUNDAMENTA THERAPEUTICS INC., CN
[85] 2021-10-22
[86] 2020-04-22 (PCT/CN2020/086032)
[87] (WO2020/216230)
[30] CN (201910323948.3) 2019-04-22

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[13] A1
[51] **Int.Cl. A61K 47/50 (2017.01) A61K 9/127 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCTION OF LIPOSOMES**
[54] **PROCEDE DE PRODUCTION DE LIPOSOMES**
[72] PEREIRA GUIMARAES, DIANA ISABEL, PT
[72] DA COSTA NOGUEIRA, EUGENIA SOFIA, PT
[72] CAVACO-PAULO, ARTUR MANUEL, PT
[71] UNIVERSIDADE DO MINHO, PT
[85] 2021-10-22
[86] 2020-05-07 (PCT/IB2020/054346)
[87] (WO2020/225769)
[30] PT (115500) 2019-05-07

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[51] **Int.Cl. C07D 239/47 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF A BTK INHIBITOR**
[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE BTK**
[72] ANGST, DANIELA, CH
[72] KORDIKOWSKI, ANDREAS, CH
[71] NOVARTIS AG, CH
[85] 2021-10-22
[86] 2020-05-20 (PCT/IB2020/054752)
[87] (WO2020/234779)
[30] US (62/851,986) 2019-05-23

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[13] A1
[51] **Int.Cl. A63F 13/56 (2014.01)**
[25] EN
[54] **VIRTUAL CHARACTER CONTROL METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMANDE DE PERSONNAGES VIRTUELS, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] WAN, YULIN, CN
[72] HU, XUN, CN
[72] WENG, JIANMIAO, CN
[72] SU, SHANDONG, CN
[72] ZHANG, YONG, CN
[71] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2021-10-22
[86] 2021-03-15 (PCT/CN2021/080690)
[87] (WO2021/213070)
[30] CN (202010328532.3) 2020-04-23

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[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **VASCULAR IMPLANT AND METHOD FOR THE PRODUCTION THEREOF**
[54] **IMPLANT VASCULAIRE ET PROCEDE POUR SA FABRICATION**
[72] GESCHE, VALENTINE, DE
[72] LOWEN, ALEXANDER, DE
[72] KURTENBACH, KATHRIN, DE
[72] GRIES, THOMAS, DE
[71] RHEINISCH-WESTFALISCHE TECHNISCHE HOCHSCHULE (RWTH) AACHEN, DE
[85] 2021-10-22
[86] 2020-05-05 (PCT/EP2020/062432)
[87] (WO2020/225254)
[30] DE (10 2019 206 493.0) 2019-05-06

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[13] A1
[51] **Int.Cl. B23B 27/00 (2006.01) B23B 27/04 (2006.01) B23B 29/04 (2006.01)**
[25] EN
[54] **INDEXABLE CUTTING INSERT HAVING TWO CUTTING PORTIONS LOCATED IN DIAGONALLY OPPOSITE QUADRANTS AND TWO LOWER ABUTMENT ELEMENTS, AND CUTTING TOOL**
[54] **PLAQUETTE DE COUPE AMOVIBLE AYANT DEUX PARTIES DE COUPE SITUEES DANS DES QUADRANTS DIAGONALEMENT OPPOSES ET DEUX ELEMENTS DE BUTEE INFERIEURS, ET OUTIL DE COUPE**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2021-10-22
[86] 2020-04-23 (PCT/IL2020/050465)
[87] (WO2020/230117)
[30] US (16/411,189) 2019-05-14

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEM FOR ACTION DETERMINATION**
[54] **SYSTEME DE DETERMINATION D'ACTION**
[72] HOLLENDER, MARTIN, DE
[72] LENDERS, FELIX, DE
[72] BICIK, JOSEF, DE
[72] STRUEMPFLER, MARK-STEFAN, DE
[72] LITZELMANN, REBEKKA, DE
[72] STEICKERT, DOMINIK, DE
[71] ABB SCHWEIZ AG, CH
[85] 2021-10-22
[86] 2020-04-20 (PCT/EP2020/061008)
[87] (WO2020/216718)
[30] EP (19171067.2) 2019-04-25

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[13] A1
[51] **Int.Cl. D21F 3/02 (2006.01) B65D 65/40 (2006.01) D21F 11/00 (2006.01) D21H 11/00 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **EFFICIENT PRODUCTION OF A CONTAINERBOARD TO BE USED AS FLUTING**
[54] **PRODUCTION EFFICACE D'UN CARTON-CAISSE A UTILISER EN TANT QUE PAPIER CANNELE**
[72] NORDSTROM, FREDRIK, SE
[72] KULLANDER, JOHAN, SE
[72] KARPATHAKIS, MIKAEL, SE
[71] BILLERUDKORSNAS AB, SE
[85] 2021-10-22
[86] 2020-05-14 (PCT/EP2020/063488)
[87] (WO2020/229611)
[30] EP (19174469.7) 2019-05-14

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[13] A1
[51] **Int.Cl. B23C 5/22 (2006.01)**
[25] EN
[54] **CUTTING INSERT HAVING LOWER ANTI-SLIP RECESS, INSERT HOLDER AND CUTTING TOOL**
[54] **INSERT DE COUPE DOTE D'UN EVIDEMENT ANTIDERAPANT, SUPPORT D'INSERT ET OUTIL DE COUPE**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2021-10-22
[86] 2020-04-27 (PCT/IL2020/050472)
[87] (WO2020/240533)
[30] US (16/421,828) 2019-05-24

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[13] A1
[51] **Int.Cl. B65D 65/46 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE CONTAINING MATERIAL SUCH AS BEVERAGE POWDER, ESPECIALLY FOR THE PREPARATION OF BREWED COFFEE**
[54] **CAPSULE CONTENANT UNE MATIERE, TELLE QUE DE LA POUDRE POUR BOISSON, SERVANT EN PARTICULIER A LA PREPARATION DE CAFE INFUSE**
[72] NICKEL, AXEL, DE
[71] SWISS COFFEE INNOVATION AG, CH
[85] 2021-10-22
[86] 2020-04-21 (PCT/EP2020/061094)
[87] (WO2020/224952)
[30] EP (19172933.4) 2019-05-07

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[13] A1
[51] **Int.Cl. A47K 11/02 (2006.01) B65B 43/12 (2006.01)**
[25] EN
[54] **WATERLESS TOILET**
[54] **TOILETTES SECHES**
[72] FURSTOS, JULIEN, FR
[72] OEHL, SEBASTIAN, CH
[71] CLOSAC AG, DE
[85] 2021-10-22
[86] 2020-05-15 (PCT/EP2020/063703)
[87] (WO2020/234187)
[30] DE (10 2019 113 141.3) 2019-05-17

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[13] A1
[51] **Int.Cl. B23B 27/14 (2006.01) B23B 29/04 (2006.01)**
[25] EN
[54] **HIGH-FEED TURNING TOOL ASSEMBLY**
[54] **ENSEMBLE OUTIL A ROTATION D'ALIMENTATION ELEVEE**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2021-10-22
[86] 2020-05-12 (PCT/IL2020/050510)
[87] (WO2020/234866)
[30] US (62/850,189) 2019-05-20

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[13] A1
[51] **Int.Cl. B02B 1/00 (2006.01) B02B 1/04 (2006.01) B02B 5/02 (2006.01) B02C 9/04 (2006.01) B02C 23/10 (2006.01)**
[25] EN
[54] **METHOD FOR CONDITIONING PLANT SEEDS FOR DISINTEGRATION, IN PARTICULAR FOR INFLUENCING THE ELASTICITY OF THE PLANT SEEDS, AND SYSTEM FOR DISINTEGRATION OF PLANT SEEDS**
[54] **PROCEDE DE CONDITIONNEMENT DE SEMENCES VEGETALES POUR LE CONCASSAGE, EN PARTICULIER POUR INFLUER SUR L'ELASTICITE DE SEMENCES VEGETALES, ET INSTALLATION DE CONCASSAGE DE SEMENCES VEGETALES**
[72] HEINZ, VOLKER, DE
[72] POPPER, LUTZ, DE
[72] TOEPFL, STEFAN, DE
[71] ELEA VERTRIEBS- UND VERMARKTUNGSGESELLSCHAFT MBH, DE
[71] MUHLENCHEMIE GMBH & CO. KG, DE
[85] 2021-10-22
[86] 2020-04-22 (PCT/EP2020/061117)
[87] (WO2020/216756)
[30] DE (10 2019 205 793.4) 2019-04-23

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[13] A1
[51] **Int.Cl. C08L 1/08 (2006.01) C08B 5/14 (2006.01) C08K 3/08 (2006.01)**
[25] EN
[54] **CELLULOSE NANOCRYSTAL COMPOSITE AND METHOD FOR PRODUCING THE SAME**
[54] **COMPOSITE DE NANOCRISTAUX DE CELLULOSE ET METHODE DE FABRICATION**
[72] NAGAHAMA, HIDEAKI, JP
[72] KINOSHITA, YUUKI, JP
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2021-10-22
[86] 2020-04-16 (PCT/JP2020/016721)
[87] (WO2020/218152)
[30] JP (2019-084560) 2019-04-25

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12N 1/21 (2006.01) C12N 7/00 (2006.01) C12N 7/02 (2006.01) C12N 7/04 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **PHAGE AND TRANSDUCTION PARTICLES**
[54] **PHAGE ET PARTICULES DE TRANSDUCTION**
[72] KRAUSE HAABER, JAKOB, DK
[72] SEMSEY, SZABOLCS, DK
[71] SNIPR BIOME APS., DK
[85] 2021-10-22
[86] 2020-05-21 (PCT/EP2020/064225)
[87] (WO2020/234428)
[30] GB (1907242.0) 2019-05-22

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[13] A1
[51] **Int.Cl. C03C 3/087 (2006.01) C03C 3/062 (2006.01) C03C 13/06 (2006.01) G21F 3/00 (2006.01)**
[25] EN
[54] **RADIATION-RESISTANT INORGANIC MATERIAL AND FIBER THEREOF**
[54] **MATERIAU INORGANIQUE RESISTANT AUX RAYONNEMENTS ET FIBRE ASSOCIEE**
[72] FUKAZAWA, HIROSHI, JP
[71] NIPPON FIBER CORPORATION, JP
[85] 2021-10-22
[86] 2020-04-22 (PCT/JP2020/017362)
[87] (WO2020/218356)
[30] JP (2019-083950) 2019-04-25
[30] JP (PCT/JP2019/039911) 2019-10-09

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[13] A1
[51] **Int.Cl. F03D 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A WIND TURBINE**
[54] **PROCEDE PERMETTANT DE COMMANDER UNE EOLIENNE**
[72] BROMBACH, JOHANNES, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2021-10-22
[86] 2020-06-05 (PCT/EP2020/065729)
[87] (WO2020/249489)
[30] DE (10 2019 115 943.1) 2019-06-12

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[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) A61K 6/887 (2020.01) A61K 6/889 (2020.01)**
[25] EN
[54] **DENTAL RESTORATIVE CURABLE COMPOSITION**
[54] **COMPOSITION DURCISSABLE REPARATRICE DENTAIRE**
[72] INOUE, MASASHI, JP
[72] ICHIKAWA, SEIYA, JP
[72] SUZUKI, KENJI, JP
[72] MIYAKAWA, HAYATO, JP
[72] KAJIKAWA, TATSUYA, JP
[72] HORIGUCHI, HIROTAKA, JP
[71] KURARAY NORITAKE DENTAL INC., JP
[85] 2021-10-22
[86] 2020-04-23 (PCT/JP2020/017553)
[87] (WO2020/218446)
[30] JP (2019-082971) 2019-04-24
[30] JP (2019-233578) 2019-12-24

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **CD5 SPECIFIC T CELL RECEPTOR CELL OR GENE THERAPY**
[54] **THERAPIE CELLULAIRE PAR RECEPTEUR DE LYMPHOCYTES T SPECIFIQUES DE CD5 OU THERAPIE GENIQUE**
[72] PEZZUTTO, ANTONIO, DE
[72] BLANKENSTEIN, THOMAS, DE
[72] CAKMAK-GORUR, NESE, DE
[72] BELBARAKA, ELMEHDI, DE
[71] MAX-DELBRUCK-CENTRUM FUR MOLEKULARE MEDIZIN IN DER HELMHOLTZ-GEMEINSCHAFT, DE
[71] CHARITE - UNIVERSITATSMEDIZIN BERLIN, DE
[85] 2021-10-22
[86] 2020-06-30 (PCT/EP2020/068374)
[87] (WO2021/001356)
[30] EP (19183694.9) 2019-07-01

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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **HLA-DR/CII PEPTIDE COMPLEXES FOR TREATING ARTHRITIS**
[54] **COMPLEXES PEPTIDIQUES DE HLA-DR/CII POUR LE TRAITEMENT DE L'ARTHRITE**
[72] DO, NHU-NGUYEN, DE
[72] URBONAVICIUTE, VILMA, SE
[72] CIENCIALA, SYLVIA, DE
[72] HOLMDAHL, RIKARD, SE
[72] BURKHARDT, HARALD, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-10-22
[86] 2020-08-07 (PCT/EP2020/072280)
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[30] EP (19191077.7) 2019-08-09

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 47/64 (2017.01) A61K 38/39 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **PRODUCTION OF MHC II/CII COMPLEXES**
[54] **PRODUCTION DE COMPLEXES CMH II/CII**
[72] SCHNEIDER, NADINE, DE
[72] XU, BINGZE, SE
[72] CIENCIALA, SYLVIA, DE
[72] HOLMDAHL, RIKARD, SE
[72] BURKHARDT, HARALD, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/325 (2006.01)**
[25] EN
[54] **CODON OPTIMIZED SYNTHETIC NUCLEOTIDE SEQUENCES ENCODING CRY2AI PROTEIN AND USES THEREOF**
[54] **SEQUENCES NUCLEOTIDIQUES SYNTHETIQUES A CODON OPTIMISE CODANT POUR LA PROTEINE CRY2AI ET LEURS UTILISATIONS**
[72] MANGENA, GEETHA LAKSHMI, IN
[72] PARIHAR, DWARKESH SINGH, IN
[72] VERMA, PARESH, IN
[72] V., UDAYASURIYAN, IN
[72] D., SUDHAKAR, IN
[72] N., BALAKRISHNAN, IN
[72] S., MOHANKUMAR, IN
[71] DCM SHRIRAM LIMITED, IN
[71] TAMIL NADU AGRICULTURAL UNIVERSITY, IN
[85] 2021-10-22
[86] 2020-04-20 (PCT/IN2020/050370)
[87] (WO2020/217252)
[30] IN (201911016327) 2019-04-24

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[51] **Int.Cl. E02F 9/26 (2006.01) G06T 17/05 (2011.01)**
[25] EN
[54] **DISPLAY SYSTEM AND DISPLAY METHOD**
[54] **SYSTEME ET PROCEDE D'AFFICHAGE**
[72] TAKAHAMA, KAZUHISA, JP
[71] KOMATSU LTD., JP
[85] 2021-10-22
[86] 2020-05-26 (PCT/JP2020/020749)
[87] (WO2020/241640)
[30] JP (2019-103166) 2019-05-31

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[51] **Int.Cl. E04H 4/00 (2006.01)**
[25] FR
[54] **SHUTTERING ELEMENT AND METHOD FOR CONSTRUCTING A CONCRETE STRUCTURE IN A CAVITY**
[54] **ELEMENT DE COFFRAGE ET PROCEDE DE CONSTRUCTION D'UNE STRUCTURE EN BETON DANS UNE CAVITE**
[72] FONTAINE, ROMAIN, FR
[71] H 2 O DISTRIBUTION, FR
[85] 2021-10-22
[86] 2020-09-23 (PCT/EP2020/076590)
[87] (WO2021/058580)
[30] FR (FR1910453) 2019-09-23

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[13] A1
[51] **Int.Cl. H04B 1/66 (2006.01)**
[25] EN
[54] **METHOD FOR OUTPUT LAYER SET MODE**
[54] **PROCEDE POUR MODE DE DEFINITION DE COUCHE DE SORTIE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-21
[86] 2021-02-15 (PCT/US2021/018099)
[87] (WO2021/202000)
[30] US (63/003,112) 2020-03-31
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[51] **Int.Cl. H04N 19/00 (2014.01)**
[25] EN
[54] **METHOD FOR SIGNALING SUBPICTURE PARTITIONING IN CODED VIDEO STREAM**
[54] **PROCEDE DE SIGNALISATION DU PARTITIONNEMENT DES SOUS-IMAGES DANS UN FLUX VIDEO CODE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-21
[86] 2021-02-22 (PCT/US2021/019020)
[87] (WO2021/202012)
[30] US (63/003,123) 2020-03-31
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[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01) A61K 9/113 (2006.01) A61K 38/09 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **SUSTAINED-RELEASE MICROPARTICLES CONTAINING DESLORELIN, AND PREPARATION METHOD THEREFOR**
[54] **MICROPARTICULES A LIBERATION PROLONGEE CONTENANT DE LA DESLORELINE, ET LEUR PROCEDE DE PREPARATION**
[72] KIM, JU HEE, KR
[72] KIM, SE YEON, KR
[71] INVENTAGE LAB INC., KR
[85] 2021-10-22
[86] 2020-01-14 (PCT/KR2020/000657)
[87] (WO2020/222399)
[30] KR (10-2019-0050437) 2019-04-30

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[51] **Int.Cl. B29C 51/32 (2006.01) B29C 51/26 (2006.01) B29C 51/30 (2006.01) B26D 1/00 (2006.01) B26F 1/38 (2006.01) B26F 1/44 (2006.01) B29C 51/04 (2006.01)**
[25] EN
[54] **MULTI-CAVITY MOULD WITH A KNIFE PRESSURE-BOX FOR A THERMOFORMING MACHINE USED IN THE PROCESS OF HIGH-VOLUME, CONTINUOUS THERMOFORMING OF THIN-GAUGE PLASTIC PRODUCTS**
[54] **MOULE A CAVITES MULTIPLES POURVU D'UNE BOITE DE PRESSION DE COUTEAU POUR UNE MACHINE DE THERMOFORMAGE UTILISEE DANS LE PROCEDE DE THERMOFORMAGE EN CONTINU DE PRODUITS EN PLASTIQUE DE FAIBLE EPAISSEUR EN GRANDE QUANTITE**
[72] DRAGULINESCU, IONEL-DAN, RO
[71] DRAGULINESCU, IONEL-DAN, RO
[85] 2021-10-22
[86] 2020-04-24 (PCT/RO2020/050004)
[87] (WO2020/218934)
[30] RO (PCT/RO2019/000014) 2019-04-24

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[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODY THAT BINDS SPECIFICALLY TO GITR**
[54] **ANTICORPS MONOCLONAL SE LIANT SPECIFIQUEMENT A GITR**
[72] ULITIN, ANDREI BORISOVICH, RU
[72] KOZLOVA, OLESYA NIKOLAEVNA, RU
[72] GORDEEV, ALEKSANDR ANDREEVICH, RU
[72] BURNYSHEVA, KSENIA MIHAILOVNA, RU
[72] ISHUTINOVA, ANASTASIA NIKOLAEVNA, RU
[72] SOZONOVA, ALEKSANDRA ALEKSANDROVNA, RU
[72] AGEEV, SERGEI ANDREEVICH, RU
[72] DORONIN, ALEKSANDR NIKOLAEVICH, RU
[72] TSYMPILOV, VLADIMIR SERGEEVICH, RU
[72] MITROSHIN, IVAN VLADIMIROVICH, RU
[72] SOLOVYEV, VALERY VLADIMIROVICH, RU
[72] USTIUGOV, IAKOV IUREVICH, RU
[72] IVANOV, ROMAN ALEKSEEVICH, RU
[72] MOROZOV, DMITRY VALENTINOVICH, RU
[71] JOINT STOCK COMPANY "BIOCAD", RU
[85] 2021-10-22
[86] 2020-04-23 (PCT/RU2020/050080)
[87] (WO2020/218951)
[30] RU (2019112296) 2019-04-23

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[51] **Int.Cl. F03D 3/04 (2006.01) H02S 10/12 (2014.01) F03D 9/25 (2016.01)**
[25] EN
[54] **WIND POWER PLANT**
[54] **INSTALLATION ELECTRIQUE EOLIENNE**
[72] KRIULIN, YURII VALENTINOVITCH, RU
[72] BOIKO, VALENTIN VASILEVITCH, RU
[72] CHUFISTOV, SERGEY VIKTOROVITCH, RU
[71] KRIULIN, YURII VALENTINOVITCH, RU
[71] BOIKO, VALENTIN VASILEVITCH, RU
[71] CHUFISTOV, SERGEY VIKTOROVITCH, RU
[85] 2021-10-05
[86] 2020-04-20 (PCT/RU2020/000122)
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[51] **Int.Cl. F16H 3/085 (2006.01) F16D 11/00 (2006.01) F16H 3/093 (2006.01)**
[25] EN
[54] **POWER TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSMISSION DE PUISSANCE**
[72] CHOI, HYEONG JIN, KR
[71] HJ TRANSMISSION CO., LTD., KR
[85] 2021-10-22
[86] 2020-03-30 (PCT/KR2020/004317)
[87] (WO2020/218749)
[30] KR (10-2019-0047102) 2019-04-23

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[51] **Int.Cl. C07F 9/44 (2006.01) A61K 31/664 (2006.01) A61P 19/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **PHOSPHOANTIGEN PRODRUG COMPOUNDS**
[54] **COMPOSES DE TYPE PROMEDICAMENT PHOSPHOANTIGENE**
[72] MEHELLOU, YOUCEF, GB
[72] WILLCOX, BENJAMIN, GB
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LTD, GB
[71] UNIVERSITY OF BIRMINGHAM, GB
[85] 2021-10-22
[86] 2019-07-03 (PCT/GB2019/051880)
[87] (WO2020/008189)
[30] GB (1810965.2) 2018-07-04

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[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/34 (2015.01)**
[25] EN
[54] **METHOD FOR REGULATION OF SELECTIVE DIFFERENTIATION OF MUSCULOSKELETAL STEM CELLS**
[54] **PROCEDE DE REGULATION DE DIFFERENCIATION SELECTIVE DE CELLULES SOUCHES MUSCULO-SQUELETTIQUES**
[72] HAN, MYUNG-KWAN, KR
[71] CELLATOZ THERAPEUTICS, INC., KR
[85] 2021-10-22
[86] 2020-04-23 (PCT/KR2020/005366)
[87] (WO2020/218845)
[30] KR (10-2019-0047064) 2019-04-23
[30] KR (10-2020-0049098) 2020-04-23

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[51] **Int.Cl. B29C 51/30 (2006.01) B29C 51/32 (2006.01) B26F 1/38 (2006.01) B29C 51/04 (2006.01)**
[25] EN
[54] **MULTI-CAVITY MOULD FOR A THERMOFORMING MACHINE USED IN THE PROCESS OF HIGH-VOLUME, CONTINUOUS THERMOFORMING OF THIN-GAUGE PLASTIC PRODUCTS**
[54] **MOULE A CAVITES MULTIPLES POUR UNE MACHINE DE THERMOFORMAGE UTILISEE DANS LE PROCEDE DE THERMOFORMAGE EN CONTINU DE PRODUITS EN PLASTIQUE DE FAIBLE EPAISSEUR EN GRANDE QUANTITE**
[72] DRAGULINESCU, IONEL-DAN, RO
[71] DRAGULINESCU, IONEL-DAN, RO
[85] 2021-10-22
[86] 2019-04-24 (PCT/RO2019/000014)
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[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01)**
[25] EN
[54] **NOCICEPTOR DIFFERENTIATION FROM HUMAN PLURIPOTENT STEM CELLS**
[54] **DIFFERENCIATION DE NOCICEPTEURS A PARTIR DE CELLULES SOUCHES PLURIPOTENTES HUMAINES**
[72] SINGEC, ILYAS, US
[72] DENG, TAO, US
[72] SIMEONOV, ANTON, US
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2021-10-20
[86] 2020-04-24 (PCT/US2020/029721)
[87] (WO2020/219811)
[30] US (62/837,891) 2019-04-24

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[51] **Int.Cl. B60K 6/12 (2006.01) B60W 20/14 (2016.01) B60K 26/02 (2006.01)**
[25] EN
[54] **KINETIC AUTOMOBILE**
[54] **AUTOMOBILE CINETIQUE**
[72] DERISSAINT, ROGER, US
[72] NWAZE, AUDREY, US
[71] DERISSAINT, ROGER, US
[71] NWAZE, AUDREY, US
[85] 2021-10-22
[86] 2019-04-24 (PCT/US2019/029015)
[87] (WO2019/210013)
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[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01) C12N 15/63 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **NUCLEIC ACID CONSTRUCTS AND METHODS FOR THEIR MANUFACTURE**
[54] **CONSTRUCTIONS D'ACIDE NUCLEIQUE ET LEURS PROCEDES DE FABRICATION**
[72] ADIE, THOMAS ANTONY JAMES, GB
[72] ROTHWELL, PAUL JAMES, GB
[72] LEGIEWICZ, MICHAL, GB
[71] LIGHTBIO LIMITED, GB
[85] 2021-10-22
[86] 2020-04-23 (PCT/GB2020/051003)
[87] (WO2020/217057)
[30] GB (1905651.4) 2019-04-23

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[51] **Int.Cl. E21B 17/00 (2006.01) E21B 17/02 (2006.01)**
[25] EN
[54] **CONCENTRIC DISCONNECT TOOL WITH MULTIPLE ELECTRICAL CONDUCTORS**
[54] **OUTIL DE DECONNEXION CONCENTRIQUE A CONDUCTEURS ELECTRIQUES MULTIPLES**
[72] EL MALLAWANY, IBRAHIM, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-10-22
[86] 2019-06-28 (PCT/US2019/039824)
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[51] **Int.Cl. E21B 23/01 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **EXPANDABLE HANGER WITH ANCHOR FEATURE**
[54] **DISPOSITIF DE SUSPENSION EXTENSIBLE A ELEMENT D'ANCRAGE**
[72] HAZELIP, GARY LYNN, US
[72] SEVADJIAN, EMILE EDMUND, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-10-22
[86] 2019-07-08 (PCT/US2019/040853)
[87] (WO2021/006872)
[30] US (16/505,030) 2019-07-08

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01) F02C 6/00 (2006.01) F02C 6/14 (2006.01)**
[25] EN
[54] **SYSTEM FOR HYDRAULIC FRACTURING INTEGRATED WITH ELECTRICAL ENERGY STORAGE AND BLACK START CAPABILITY**
[54] **SYSTEME DE FRACTURATION HYDRAULIQUE INTEGRANT UNE CAPACITE DE STOCKAGE D'ENERGIE ELECTRIQUE ET DE DEMARRAGE A FROID**
[72] EL TAWY, DALIA, US
[72] SRIRAMAN, ARVIND, US
[72] WHEATCRAFT, LYNN, US
[71] SIEMENS ENERGY, INC., US
[85] 2021-10-22
[86] 2019-07-16 (PCT/US2019/041935)
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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01) F02C 6/00 (2006.01) F02C 6/14 (2006.01)**
[25] EN
[54] **SYSTEM FOR HYDRAULIC FRACTURING INCLUDING MOBILE POWER-GENERATING SUBSYSTEM WITH DIRECT-COUPLED ELECTROMOTIVE MACHINE INTEGRATED WITH ELECTRICAL ENERGY STORAGE**
[54] **SYSTEME DE FRACTURATION HYDRAULIQUE COMPRENANT UN SOUS-SYSTEME DE GENERATION D'ENERGIE MOBILE AVEC UNE MACHINE ELECTROMOTRICE A COUPLAGE DIRECT INTEGREE A UN STOCKAGE D'ENERGIE EL ECTRIQUE**
[72] EL TAWY, DALIA, US
[72] SRIRAMAN, ARVIND, US
[72] WHEATCRAFT, LYNN, US
[71] SIEMENS ENERGY, INC., US
[85] 2021-10-22
[86] 2019-07-16 (PCT/US2019/041948)
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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01) G06F 17/10 (2006.01) G06F 17/40 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TREATMENT OPTIMIZATION**
[54] **SYSTEME ET PROCEDE POUR L'OPTIMISATION D'UN TRAITEMENT**
[72] JAASKELAINEN, MIKKO, US
[72] DUSTERHOFT, RONALD GLEN, US
[72] BLAND, HENRY CLIFFORD, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-10-22
[86] 2019-11-12 (PCT/US2019/060943)
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[30] US (16/573,448) 2019-09-17

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[25] EN
[54] **REAL-TIME TRANSACTION AND RECEIPT PROCESSING SYSTEMS**
[54] **SYSTEMES DE TRAITEMENT DE TRANSACTIONS ET DE RECUS EN TEMPS REEL**
[72] MYREN, JEFFREY PAUL, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2021-10-22
[86] 2020-01-28 (PCT/US2020/015345)
[87] (WO2020/219135)
[30] US (16/394,294) 2019-04-25

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[51] **Int.Cl. H04W 88/10 (2009.01) H04W 88/08 (2009.01) H04W 88/12 (2009.01)**
[25] EN
[54] **HYBRID BASE STATION AND RRH**
[54] **STATION DE BASE HYBRIDE ET RRH**
[72] MISHRA, RAJESH, US
[72] PAPA, STEVEN, US
[72] AGARWAL, KAITKI, US
[72] RUTHERFORD, RANDY, US
[72] JOHNSTON, DAVID, US
[72] SIMMONDS, CHRIS, US
[71] PARALLEL WIRELESS, INC., US
[85] 2021-10-22
[86] 2020-02-04 (PCT/US2020/016678)
[87] (WO2020/163407)
[30] US (62/801,032) 2019-02-04

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[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/131 (2010.01) H01M 4/505 (2010.01) H01M 10/0525 (2010.01) C09D 5/44 (2006.01) H01M 4/48 (2010.01)**
[25] EN
[54] **ELECTRODEPOSITABLE BATTERY ELECTRODE COATING COMPOSITIONS HAVING COATED ACTIVE PARTICLES**
[54] **COMPOSITIONS DE REVETEMENT D'ELECTRODE DE BATTERIE ELECTRODEPOSABLE AYANT DES PARTICULES ACTIVES ENROBEES**
[72] OAKES, LANDON J., US
[72] HELLRING, STUART D., US
[72] ORLER, HALEY L., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2021-10-22
[86] 2020-02-25 (PCT/US2020/019667)
[87] (WO2020/219158)
[30] US (16/395,677) 2019-04-26

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[13] A1
[51] **Int.Cl. G06F 16/532 (2019.01) G06F 16/583 (2019.01)**
[25] EN
[54] **TECHNIQUES FOR GENERATING A QUERY IMAGE**
[54] **TECHNIQUES DE GENERATION D'UNE IMAGE DE REQUETE**
[72] YADA, RAVI THEJA, US
[72] WANG, YAN, US
[72] ASTRAKHANTSEV, NIKITA, US
[72] SACHETI, ARUN, US
[71] MICROSOFT TEHCNOLOGY LICENSING, LLC, US
[85] 2021-10-22
[86] 2020-03-17 (PCT/US2020/023055)
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[30] US (16/408,192) 2019-05-09

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[51] **Int.Cl. G06F 13/40 (2006.01)**
[25] EN
[54] **EFFICIENT ARCHTECTURES FOR DEEP LEARNING ALGORITHMS**
[54] **ARCHITECTURES EFFICACES POUR ALGORITHMES D'APPRENTISSAGE PROFOND**
[72] CHILAPPAGARI, SHASHI KIRAN, US
[72] LEE, WINSTON, US
[71] DEGIRUM CORPORATION, US
[85] 2021-10-22
[86] 2020-04-02 (PCT/US2020/026337)
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[30] US (16/397,401) 2019-04-29

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[51] **Int.Cl. G10K 11/162 (2006.01) H01F 5/02 (2006.01) H01F 27/33 (2006.01) H01F 37/00 (2006.01) G10K 11/168 (2006.01)**
[25] EN
[54] **DOUBLE WALL SOUND SHIELD WITH MODULAR SOUND ABSORBENT PANELS FOR AN AIR CORE REACTOR**
[54] **ECRAN ACOUSTIQUE A DOUBLE PAROI AYANT DES PANNEAUX ABSORBANTS ACOUSTIQUES MODULAIRES POUR UN REACTEUR SANS FER**
[72] ALVES, SEAN, CA
[72] GHOLAMI, MOHAMMAD SADEGH, CA
[71] TRENCH LIMITED, CA
[85] 2021-10-22
[86] 2020-04-07 (PCT/US2020/026985)
[87] (WO2020/219259)
[30] US (16/390,122) 2019-04-22

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[51] **Int.Cl. E06B 9/24 (2006.01) D03D 13/00 (2006.01) D03D 15/00 (2021.01)**
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[54] **ARCHITECTURAL COVERING WITH WOVEN MATERIAL**
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[71] HUNTER DOUGLAS INC., US
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[54] **IDENTIFICATION OF SAMPLE SUBSPECIES BASED ON PARTICLE CHARGE BEHAVIOR UNDER STRUCTURAL CHANGE-INDUCING SAMPLE CONDITIONS**
[54] **IDENTIFICATION DE SOUS-ESPECES D'ECHANTILLON SUR LA BASE D'UN COMPORTEMENT DE CHARGE DE PARTICULES DANS DES CONDITIONS D'ECHANTILLON INDUISANT UN CHANGEMENT STRUCTURAL**
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[72] JARROLD, MARTIN F., US
[72] EL-BABA, TARICK J., US
[72] LUTOMSKI, CORINNE A., US
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[54] **DISPOSITIF ELECTRIQUE DE TRANSFERT ET DISPOSITIF ELECTRIQUE DE RECEPTION DE LITEAUX D'ECARTEMENT**
[72] CONKLIN, JOHN A., US
[72] SARGENT, PATRICK T., US
[71] SOLARWINDOW TECHNOLOGIES, INC., US
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[54] **SCHEMAS MULTIVOIES DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT POUR BASES DE COMMUTATION**
[72] SMITH, IAN CHARLES, US
[71] SAVANT SYSTEMS, INC., US
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[54] **TESTING PETRO-PHYSICAL PROPERTIES USING A TRI-AXIAL PRESSURE CENTRIFUGE APPARATUS**
[54] **TEST DE PROPRIETES PETROPHYSIQUES A L'AIDE D'UN APPAREIL CENTRIFUGE A PRESSION TRIAXIALE**
[72] HAKIMUDDIN, MUSTAFA, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-22
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[54] **SCREEN CYLINDER WITH IMPROVED SLOT WIDTH PROTECTION AND METHOD OF REMOVING SOLID CONTAMINANTS FROM A SOLID SUSPENSION**
[54] **CYLINDRE DE TAMIS A PROTECTION DE LARGEUR DE FENTE AMELIOREE ET PROCEDE D'ELIMINATION DE CONTAMINANTS SOLIDES D'UNE SUSPENSION SOLIDE**
[72] PARENTEAU, DANIEL, CA
[72] MAURAIS, GUY, CA
[72] MOUANNES, MARK, CA
[72] FLYNN, PETER JOSEPH, US
[72] DEMLER, CHRISTOPHER L., US
[72] GREIER, DONALD K., US
[71] KADANT BLACK CLAWSON LLC, US
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[54] **ADMINISTRATION HETEROLOGUE DE VACCINS TAU**
[72] RAMSBURG, ELIZABETH ANNE, US
[72] DE MARCO, DONATA, US
[72] CHAKKUMKAL, ANISH, US
[72] SADAKA, CHARLOTTE, US
[72] GOUDSMIT, JAAP, US
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[72] PIHLGREN BOSCH MARIA, CH
[72] VUKICEVIC VERHILLE, MARJIA, CH
[72] HICKMAN, DAVID, CH
[72] PIOT, NICOLAS, CH
[72] GHIMIRE, SAROJ RAJ, CH
[71] JANSSEN PHARMACEUTICALS, INC., US
[71] AC IMMUNE SA, CH
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[54] **SYSTEMES ET PROCEDES DE RECONNAISSANCE AUTOMATIQUE D'INFORMATIONS DE VEHICULE**
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[72] GUILLOT, JOHN, US
[72] ROOS, MATTHEW, US
[71] CRC R&D, LLC, US
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[54] **SYSTEMS AND METHODS FOR SELECTING ARTIFICIAL FEMORAL COMPONENTS**
[54] **SYSTEMES ET PROCEDES DE SELECTION DE COMPOSANTS FEMORAUX ARTIFICIELS**
[72] KULIDJIAN, ANNA ANDRANIK, US
[71] X40 INC., US
[85] 2021-10-22
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[54] **REMPLACEMENT DE MOTEUR A GAZ A ENERGIE ELECTRIQUE**
[72] DALLAS, EDGAR A., US
[72] ZIRING, JONATHAN, US
[71] OREGON TOOL, INC., US
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[54] **DECENTRALIZED IDENTITY STORAGE FOR TOBACCO PRODUCTS**
[54] **STOCKAGE D'IDENTITE DECENTRALISE POUR DES PRODUITS A BASE DE TABAC**
[72] HUBBARD, SAWYER, US
[72] ALLER, JARED, US
[72] SUR, RAJESH, US
[71] RAI STRATEGIC HOLDINGS, INC., US
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[54] **IDENTIFYING POTENTIAL HYDROCARBON TRAPS IN A SUBTERRANEAN REGION USING RECURSIVE ANISOTROPIC EROSION OF SEISMIC DATA**
[54] **IDENTIFICATION DE PIEGES D'HYDROCARBURES POTENTIELS DANS UNE REGION SOUTERRAINE EN UTILISANT L'EROSION ANISOTROPE RECURSIVE DE DONNEES SISMIQUES**
[72] JI, XU, SA
[72] WANG, YUXIANG, CN
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-22
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[54] **PROPERTY CONTROL AND CONFIGURATION BASED ON FLOOR CONTACT MONITORING**
[54] **COMMANDE ET CONFIGURATION DE PROPRIETES SUR LA BASE D'UNE SURVEILLANCE DE CONTACT DE SOL**
[72] PRUGH, ALEXANDER, US
[72] CARONE, JOHNATHAN MICHAEL, US
[72] MADDEN, DONALD GERARD, US
[72] KALAGHER, MARY MELISSA, US
[72] KONIAR, DANIEL JOHN, US
[72] YAO, LIYU, US
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[72] ZHANG, JOHN, US
[72] MENSAH, WILLIAM WIREKO, US
[71] ALARM.COM INCORPORATED, US
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[54] **ISOMERIZATION AND CATALYTIC ACTIVATION OF PENTANE-ENRICHED HYDROCARBON MIXTURES**
[54] **ISOMERISATION ET ACTIVATION CATALYTIQUE DE MELANGES D'HYDROCARBURES ENRICHIS EN PENTANE**
[72] BALDRIDGE, ANTHONY O., US
[72] MCDANIEL, NEAL D., US
[72] SUTTIL, JAMES A., US
[72] YAO, JIANHUA, US
[72] WEINTROB, EDWARD C., US
[72] WULFERS, MATTHEW J., US
[72] RANDOLPH, BRUCE B., US
[72] SARDASHTI, MAZIAR, US
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[54] **COMPOSITIONS AND METHODS FOR MODULATING COMPLEMENT ACTIVITY**
[54] **COMPOSITIONS ET METHODES DE MODULATION DE L'ACTIVITE DU COMPLEMENT**
[72] READ, SIMON J., US
[72] THACKABERRY, EVAN, US
[72] WANG, HONG, US
[71] RA PHARMACEUTICALS, INC., US
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[54] **WISKOTT-ALDRICH SYNDROME GENE HOMING ENDONUCLEASE VARIANTS, COMPOSITIONS, AND METHODS OF USE**
[54] **VARIANTS D'ENDONUCLEASE D'ECOTROPISME DE GENE DU SYNDROME DE WISKOTT-ALDRICH, COMPOSITIONS ET METHODES D'UTILISATION**
[72] GAY, JOEL, US
[72] KHAN, IRAM F., US
[72] MANN, JASDEEP, US
[72] RAWLINGS, DAVID J., US
[72] WANG, YUPENG, US
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[54] **METHODS AND COMPOSITIONS OF MIR-10 MIMICS AND TARGETS THEREOF**
[54] **METHODES ET COMPOSITIONS DE MIMETIQUES MIR-10 ET LEURS CIBLES**
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[71] NEVADA RESEARCH & INNOVATION CORPORATION, US
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[54] **SUIVI DE PROCEDURE DE REANIMATION CARDIAQUE ET DE TRANSITIONS DE SOINS**
[72] HIGGINS, MICHAEL D., US
[71] ROCHESTER REGIONAL HEALTH, US
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[54] **AGENTS THERAPEUTIQUES A CELLULES SOUCHES ABCB5+ CONTRE UNE MALADIE HEPATIQUE**
[72] FRANK, MARKUS H., US
[72] GANSS, CHRISTOPH, DE
[72] KLUTH, MARK ANDREAS, DE
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[71] TICEBA GMBH, DE
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[54] **APPAREILLAGE DE COMMUTATION AVEC MATERIAU DIELECTRIQUE SURMOULE**
[72] SHAMSELDIN, ELHANAFI A., US
[72] ACHE, JANET, US
[72] KERR, BLAIR S., US
[72] UZELAC, NENAD, US
[71] G & W ELECTRIC COMPANY, US
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[86] 2020-04-24 (PCT/US2020/029841)
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[30] US (62/839,278) 2019-04-26
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[54] **INHIBITEURS HETEROCYCLIQUES DE TYROSINE KINASE**
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[72] ROBICHAUX, JACQULYNE, US
[72] NILSSON, MONIQUE, US
[72] JONES, PHILIP, US
[72] CROSS, JASON, US
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[54] **SWITCHGEAR WITH MANUAL TRIP ASSEMBLY AND MECHANICAL INTERLOCK**
[54] **APPAREILLAGE DE COMMUTATION AVEC ENSEMBLE DE DECLENCHEMENT MANUEL ET VERROUILLAGE MECANIQUE**
[72] DAUKSAS, ARTURAS, US
[72] KIEFER, ALEXANDER, US
[72] ACHE, JANET, US
[72] KERR, BLAIR S., US
[71] G & W ELECTRIC COMPANY, US
[85] 2021-10-22
[86] 2020-04-24 (PCT/US2020/029850)
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[54] **ENGINEERED CAS9 WITH BROADENED DNA TARGETING RANGE**
[54] **CAS9 MODIFIEE A PLAGE DE CIBLAGE D'ADN ELARGIE**
[72] CONG, LE, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **METHODS AND COMPOSITIONS FOR NUCLEIC ACID-GUIDED NUCLEASE CELL TARGETING SCREEN**
[54] **METHODES ET COMPOSITIONS ASSOCIEES A UN CRIBLAGE DE CIBLAGE DE CELLULE NUCLEASE GUIDEE PAR UN ACIDE NUCLEIQUE**
[72] TAMBE, AKSHAY, US
[72] JAYARAM, HARIHARAN, US
[72] STRUTT, STEVEN, US
[71] SPOTLIGHT THERAPEUTICS, US
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[54] **APPAREILLAGE DE COMMUTATION MODULAIRE**
[72] DAUKSAS, ARTURAS, US
[72] MAREC, VINCENT, US
[72] ACHE, JANET, US
[72] KERR, BLAIR S., US
[71] G & W ELECTRIC COMPANY, US
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[30] US (62/839,278) 2019-04-26
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[54] **INTEGRATED SWITCHGEAR ASSEMBLY**
[54] **ENSEMBLE APPAREILLAGE DE COMMUTATION INTEGRE**
[72] NAULT, BRIAN STEPHEN, US
[72] MAREC, VINCENT, US
[72] ACHE, JANET, US
[72] KERR, BLAIR S., US
[71] G & W ELECTRIC COMPANY, US
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[54] **ANTICORPS ANTI-C5 HUMANISES BI-FONCTIONNELS ET PROTEINES DE FUSION DU FACTEUR H ET LEURS UTILISATIONS**
[72] SONG, WENCHAO, US
[72] MIWA, TAKASHI, US
[72] GULLIPALLI, DAMODAR, US
[72] SATO, SAYAKA, US
[72] TSUI, PING, US
[72] ZHU, YINGJIE, US
[72] ZHU, XIHUA, CN
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] KIRA PHARMACEUTICALS (US) LLC, US
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[25] EN
[54] **COMPOSITIONS AND METHODS OF IMMUNODEPLETION FOR THE TREATMENT OF MALIGNANT AND NON-MALIGNANT HEMATOLOGICAL DISEASES**
[54] **COMPOSITIONS ET METHODES D'IMMUNODEPLETION POUR LE TRAITEMENT DE MALADIES HEMATOLOGIQUES MALIGNES ET NON MALIGNES**
[72] LUDWIG, DALE, US
[72] GEOGHEGAN, EILEEN, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2021-10-22
[86] 2020-04-24 (PCT/US2020/029887)
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[54] **METHODS OF DIAGNOSIS AND TREATMENT OF RHEUMATOID ARTHRITIS**
[54] **PROCEDES DE DIAGNOSTIC ET DE TRAITEMENT DE LA POLYARTHRITE RHUMATOIDE**
[72] ZILBERSTEIN, MOSHE E., FR
[72] BOYAPATI, ANITA, US
[72] MSIHID, JEROME, FR
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[71] ZILBERSTEIN, MOSHE E., FR
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[54] **MEDICAL DECISION SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE DECISION MEDICALE**
[72] TELENKOV, SERGEY A., CA
[72] CASTELINO, ROBIN F., CA
[72] BOOTH, BRIAN J., CA
[72] VERNALIS, MARINA, US
[72] USTA, FATMA, CA
[72] TAJI, BAHAREH, CA
[72] GLOAG, DAVID, CA
[71] AUSCULSCIENCES, INC., US
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[54] **POWERED SAMPLING DEVICE**
[54] **DISPOSITIF D'ECHANTILLONNAGE ALIMENTE**
[72] WU, FLORENCE, US
[72] WU, WEI, US
[72] HUANG, YONGQING, US
[72] WILHELMSEN, ERIC, US
[71] FREMONTA CORPORATION, US
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[54] **BACTERIA IN 3D POROUS MEDIA**
[54] **BACTERIES DANS DES MILIEUX POREUX 3D**
[72] DATTA, SUJIT, US
[72] BHATTACHARJEE, TAPOMOY, US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
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[54] **PROCEDE D'ACCEPTATION SELECTIVE D'APPELS TELEPHONIQUES ET DE SMS**
[72] CLAY, GEORGE FORSYTHE, US
[71] CLAY, GEORGE FORSYTHE, US
[85] 2021-10-22
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[54] **MODULAR OUTDOOR FIREPLACE AND BRICK OVEN**
[54] **FOUR A BRIQUES ET FOYER EXTERIEUR MODULAIRE**
[72] WIDMER, SCOTT, US
[71] ROUND GROVE PRODUCTS, LLC, US
[85] 2021-10-22
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[54] **TREATMENT OF KIDNEY DISEASE IN SUBJECTS WITH KIDNEY AND/OR URINARY TRACT ANOMALIES**
[54] **TRAITEMENT D'UNE MALADIE RENALE CHEZ DES SUJETS ATTEINTS D'ANOMALIES RENALES ET/OU DU TRACTUS URINAIRE**
[72] BERTRAM, TIMOTHY, KY
[72] JAIN, DEEPAK, US
[71] BERTRAM, TIMOTHY, KY
[71] JAIN, DEEPAK, US
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[54] **HETEROBIFUNCTIONAL COMPOUNDS AS DEGRADERS OF HPK1**
[54] **COMPOSES HETEROBIFONCTIONNELS EN TANT QU'AGENTS DE DEGRADATION DE HPK1**
[72] JIN, JIAN, US
[72] BURAKOFF, STEVEN, US
[72] KANISKAN, H. UMIT, US
[72] SAWASDIKOSOL, SANSANA, US
[72] CHEN, HE, US
[72] BRODY, JOSHUA, US
[72] BHARDWAJ, NINA, US
[71] ICHAN SCHOOL OF MEDICINE AT MOUNT SINAI, US
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[54] **BUSE DE PULVERISATION A GRAND ANGLE**
[72] ARENSON, MARC, US
[72] CEDERBERG, DANIEL, US
[71] SPRAYING SYSTEMS CO., US
[85] 2021-10-22
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[54] **NANOEMULSION COMPOSITIONS COMPRISING BIOLOGICALLY ACTIVE INGREDIENTS**
[54] **COMPOSITIONS DE NANOEMULSIONS COMPRENANT DES PRINCIPES BIOLOGIQUEMENT ACTIFS**
[72] DOCHERTY, JOHN, CA
[72] BUNKA, CHRISTOPHER ANDREW, CA
[71] POVIVA CORP., US
[85] 2021-10-22
[86] 2020-05-19 (PCT/US2020/033567)
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[54] **COMPOSITIONS COMPRISING BIOLOGICALLY ACTIVE AGENTS AND BILE SALTS**
[54] **COMPOSITIONS COMPRENANT DES AGENTS BIOLOGIQUEMENT ACTIFS ET DES SELS BILIAIRES**
[72] DOCHERTY, JOHN, CA
[72] BUNKA, CHRISTOPHER ANDREW, CA
[71] POVIVA CORP., US
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[25] EN
[54] **HELMET IMPACT ATTENUATION LINER**
[54] **REVETEMENT D'ATTENUATION D'IMPACT SUR CASQUE**
[72] FRIEDER, LEONARD PETER, JR., US
[72] WEBER, JOHN B., US
[72] MATHEW, BIJU, US
[72] CASPE, RUSSELL J., US
[71] GENTEX CORPORATION, US
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[51] **Int.Cl. G04F 10/00 (2006.01) A61B 5/00 (2006.01) H01L 31/02 (2006.01) H01L 31/107 (2006.01)**
[25] EN
[54] **PHOTODETECTOR SYSTEMS WITH LOW-POWER TIME-TO-DIGITAL CONVERTER ARCHITECTURES**
[54] **SYSTEMES DE PHOTODETECTEURS AVEC ARCHITECTURES DE CONVERTISSEUR NUMERIQUE DE TEMPS DE FAIBLE PUISSANCE**
[72] SORGENFREI, SEBASTIAN, US
[72] DAHLE, JACOB, US
[72] FIELD, RYAN, US
[72] DO VALLE, BRUNO, US
[72] JIN, RONG, US
[71] HI LLC, US
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[54] **HELMET ACCESSORY MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE D'ACCESSOIRE DE CASQUE**
[72] FRANZINO, MICHAEL LAWRENCE, US
[72] BOURQUE, STEPHEN, US
[72] JAMES, SCOTT W., US
[72] BERRY, DANIEL, US
[72] BARBER, ROSS FADE, US
[72] BRUTLER, ZOLTAN S., US
[71] GENTEX CORPORATION, US
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[54] **METHODS AND APPARATUS TO DETECT STRAY WELDING-TYPE CURRENT**
[54] **PROCEDES ET APPAREIL POUR DETECTER UN COURANT DE TYPE SOUDAGE PARASITE**
[72] SCHNEIDER, JOSEPH C., US
[72] MADSEN, MICHAEL D., US
[72] VOGEL, BERNARD J., US
[72] HENRY, ANDREW J., US
[71] ILLINOIS TOOL WORKS INC., US
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[54] **EDGE-LIT LIGHT KIT FOR CEILING FANS**
[54] **KIT D'ECLAIRAGE ECLAIRE PAR LE BORD POUR DES VENTILATEURS DE PLAFOND**
[72] REGISTER, WALTER STEVEN, US
[72] PRIMM, PALMER JOSEPH, US
[72] PATEL, DHAVALKUMAR PRABHUDAS, US
[71] HUBBELL INCORPORATED, US
[85] 2021-10-23
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[51] **Int.Cl. F21V 23/00 (2015.01) G08B 13/00 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATED SURVEILLANCE AND COMMUNICATION INTO LIGHTING EQUIPMENT**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE ET DE COMMUNICATION INTEGREES DANS UN EQUIPEMENT D'ECLAIRAGE**
[72] BAILEY, CHRISTOPHER, US
[72] WILLIS, TIMOTHY, US
[72] HILL, THOMAS, US
[72] YADAV, PRITAM, US
[71] HUBBELL INCORPORATED, US
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[54] **3D PARTICLE IMAGING IN PHARMACEUTICAL CONTAINERS**
[54] **IMAGERIE DE PARTICULES 3D DANS DES RECIPIENTS PHARMACEUTIQUES**
[72] MILNE, GRAHAM F., US
[72] FRADKIN, DMITRY, US
[72] PEARSON, THOMAS CLARK, US
[71] AMGEN INC., US
[85] 2021-10-22
[86] 2020-06-02 (PCT/US2020/035674)
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[51] **Int.Cl. G06F 3/00 (2006.01) G06T 13/00 (2011.01) G10L 15/00 (2013.01) G10L 15/02 (2006.01)**
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[54] **MULTI-MODAL MODEL FOR DYNAMICALLY RESPONSIVE VIRTUAL CHARACTERS**
[54] **MODELE MULTIMODAL POUR PERSONNAGES VIRTUELS A REPONSE DYNAMIQUE**
[72] MCINTYRE-KIRWIN, ARMANDO, US
[72] HORRIGAN, RYAN, US
[72] EISENBERG, JOSH, US
[71] ARTIE, INC., US
[85] 2021-10-22
[86] 2020-06-04 (PCT/US2020/036068)
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[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING ELASTICITY WITH IMAGING OF ULTRASOUND MULTI-FOCUS SHEARWAVES IN MULTIPLE DIMENSIONS**
[54] **SYSTEMES ET PROCEDES DE MESURE DE L'ELASTICITE PAR IMAGERIE D'ONDES DE CISAILLEMENT MULTI-FOYER A ULTRASONS DANS DE MULTIPLES DIMENSIONS**
[72] EMERY, CHARLES D., US
[72] HSU, STEPHEN JOHN, US
[71] ULTHERA, INC., US
[85] 2021-10-22
[86] 2020-07-13 (PCT/US2020/041783)
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[51] **Int.Cl. B29C 35/08 (2006.01) B01J 19/12 (2006.01) D01D 1/00 (2006.01) D06M 14/18 (2006.01) D21F 11/00 (2006.01) C08J 3/28 (2006.01)**
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[54] **METHODS OF MAKING A DEFLECTION MEMBER**
[54] **PROCEDES DE FABRICATION D'UN ELEMENT DE DEVIATION**
[72] BRENT, JOHN LESLIE, JR., US
[72] SMITH, STEVEN D., US
[72] ADAMS, JACOB R., US
[71] THE PROCTER & GAMBLE COMPANY, US
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[51] **Int.Cl. H04N 19/105 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR VIDEO CODING**
[54] **PROCEDE ET APPAREIL DE CODAGE VIDEO**
[72] LI, LING, US
[72] LI, XIANG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-22
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[30] US (62/960,930) 2020-01-14
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[25] EN
[54] **METHOD AND APPARATUS FOR PALETTE BASED CODING MODE UNDER LOCAL DUAL TREE STRUCTURE**
[54] **PROCEDE ET APPAREIL POUR UN MODE DE CODAGE BASE SUR UNE PALETTE DANS UNE DOUBLE STRUCTURE ARBORESCENTE LOCALE**
[72] XU, XIAOZHONG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
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[51] **Int.Cl. G01S 17/00 (2020.01) H04N 19/436 (2014.01)**
[25] EN
[54] **METHODS OF CODING DUPLICATE AND ISOLATED POINTS FOR POINT CLOUD CODING**
[54] **PROCEDES DE CODAGE DE POINTS DOUBLES ET ISOLES POUR UN CODAGE DE NUAGE DE POINTS**
[72] ZHANG, XIANG, US
[72] GAO, WEN, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
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[54] **METHOD OF CODING ATTRIBUTES FOR POINT CLOUD CODING**
[54] **PROCEDE DE CODAGE D'ATTRIBUTS POUR NUAGES DE POINTS**
[72] GAO, WEN, US
[72] ZHANG, XIANG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
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[51] **Int.Cl. H04N 19/176 (2014.01) H04N 19/105 (2014.01) H04N 19/159 (2014.01) H04N 19/44 (2014.01) H04N 19/70 (2014.01)**
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[54] **METHOD AND APPARATUS FOR VIDEO CODING**
[54] **PROCEDE ET APPAREIL DE CODAGE VIDEO**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
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[30] US (63/010,272) 2020-04-15
[30] US (63/024,140) 2020-05-13
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[25] EN
[54] **METHODS AND COMPOSITIONS TO REDUCE STAINING FOR ANTIBACTERIAL ORAL CARE COMPOSITIONS**
[54] **PROCEDES ET COMPOSITIONS POUR REDUIRE LA COLORATION POUR DES COMPOSITIONS ANTIBACTERIENNES DE SOINS BUCCODENTAIRES**
[72] DOGO-ISONAGIE, CAJETAN, US
[72] PIMENTA, PALOMA, US
[72] PILCH, SHIRA, US
[72] PATEL, OM, US
[72] VASQUEZ, ELIZABETH, US
[72] NORTH, MICHAEL, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DELIVERING NEUROMODULATION TO REDUCE CORTICAL SPREADING DEPOLARIZATION IN ANIMALS INCLUDING HUMANS**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION DE NEUROMODULATION POUR REDUIRE LA DEPOLARISATION CORTICALE ENVAHISSANTE CHEZ DES ANIMAUX COMPRENANT DES ETRES HUMAINS**
[72] LI, CHUNYAN, US
[72] NARAYAN, RAJ KUMAR, US
[71] THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, US
[85] 2021-10-25
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[51] **Int.Cl. A01M 21/04 (2006.01)**
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[54] **A SYSTEM FOR DAMAGING AND/OR DESTROYING A CROP OF PLANTS, AND RELATED METHODS**
[54] **SYSTEME POUR DETERIORER ET/OU DETRUIRE DES PLANTES EN CULTURE, ET PROCEDES ASSOCIES**
[72] PERRY, MORGAN, US
[71] PERRY, MORGAN, US
[85] 2021-10-25
[86] 2019-05-13 (PCT/US2019/032041)
[87] (WO2019/222109)
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[51] **Int.Cl. F16L 37/084 (2006.01) F16L 37/088 (2006.01)**
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[54] **CONNECTION VERIFIER**
[54] **VERIFICATEUR DE CONNEXION**
[72] SAUSEN, KARI ANN, US
[72] HAGEN, KRISTIAN JAMES, US
[72] CAROLL, JAMES E., US
[71] OETIKER NY, INC., US
[85] 2021-10-25
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[51] **Int.Cl. E21B 33/127 (2006.01) E21B 33/12 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **METHODS TO MONITOR A METALLIC SEALANT DEPLOYED IN A WELLBORE, METHODS TO MONITOR FLUID DISPLACEMENT, AND DOWNHOLE METALLIC SEALANT MEASUREMENT SYSTEMS**
[54] **PROCEDES DESTINES A SURVEILLER UN PRODUIT D'ETANCHEITE METALLIQUE DEPLOYE DANS UN PUITS DE FORAGE, PROCEDES DESTINES A SURVEILLER UN DEPLACEMENT DE FLUIDE, ET SYSTEMES DE MESURE D E PRODUIT D'ETANCHEITE METALLIQUE DE FOND DE TROU**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[72] BROOME, JOHN TODD, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. E21B 34/16 (2006.01) E21B 41/00 (2006.01)**
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[54] **POSITION SENSOR FEEDBACK FOR HYDRAULIC PRESSURE DRIVEN INTERVAL CONTROL VALVE MOVEMENT**
[54] **RETOUR D'INFORMATIONS DE CAPTEUR DE POSITION POUR MOUVEMENT DE VANNE DE REGULATION A INTERVALLES ENTRAINE PAR PRESSION HYDRAULIQUE**
[72] WANG, ZIQUAN, US
[72] CHRISTIE, MICHAEL JOHN, GB
[72] SMITH, ROBERT JOSEPH, US
[72] BALASUBRAMANIAN, ASWIN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **ELECTRODES HAVING CONFORMAL COATINGS DEPOSITED ONTO POROUS ELECTRICAL CURRENT COLLECTORS**
[54] **ELECTRODES AYANT DES REVETEMENTS CONFORMES DEPOSES SUR DES COLLECTEURS DE COURANT ELECTRIQUE POREUX**
[72] JONES, OLIVIA L., US
[72] HELLRING, STUART D., US
[72] MOHIN, JACOB W., US
[72] ORLER, HALEY L., US
[72] ESAREY, SAMUEL L., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2021-10-25
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[51] **Int.Cl. B31D 5/00 (2017.01)**
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[54] **COMPACT DUNNAGE CONVERSION MACHINE**
[54] **MACHINE DE CONVERSION DE FARDAGE COMPACT**
[72] STINARD, BRIAN, US
[71] RANPAK CORP., US
[85] 2021-10-25
[86] 2020-03-25 (PCT/US2020/024605)
[87] (WO2020/219199)
[30] US (62/838,861) 2019-04-25

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[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **4D TIME SHIFT AND AMPLITUDE JOINT INVERSION FOR VELOCITY PERTURBATION**
[54] **INVERSION CONJOINTE DE DECALAGE TEMPOREL ET D'AMPLITUDE 4D DESTINEE A UNE PERTURBATION DE VITESSE**
[72] ZHANG, TINGTING, US
[72] LUO, SIMON, US
[72] YUSIFOV, ANAR, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2021-10-25
[86] 2020-04-06 (PCT/US2020/026853)
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[30] US (62/842,286) 2019-05-02

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[51] **Int.Cl. E02F 9/20 (2006.01) E02F 9/26 (2006.01) G05D 1/02 (2020.01) G07C 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING THE POSITION OF A WORK IMPLEMENT**
[54] **SYSTEME DE COMMANDE DE LA POSITION D'UN INSTRUMENT DE TRAVAIL**
[72] FAIVRE, JOSEPH L., US
[72] ZUO, TIANJIAO, US
[72] LENZEN, PAUL D., US
[72] KRAUSE, STEVEN R., US
[71] CATERPILLAR INC., US
[85] 2021-10-25
[86] 2020-04-13 (PCT/US2020/027886)
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[25] EN
[54] **MONITORING FULLNESS OF CONTAINERS**
[54] **SURVEILLANCE DE REMPLISSAGE DE CONTENEURS**
[72] HESS, MICHAEL, US
[72] ROY, MICHAEL, US
[71] WASTE HARMONICS, LLC, US
[85] 2021-10-25
[86] 2020-04-14 (PCT/US2020/028134)
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[30] US (62/840,787) 2019-04-30

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[51] **Int.Cl. A61M 5/44 (2006.01) A61M 39/08 (2006.01) H05B 3/10 (2006.01) H05B 3/58 (2006.01)**
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[54] **HEATING DEVICE FOR MEDICAL SOLUTIONS**
[54] **DISPOSITIF CHAUFFANT POUR SOLUTIONS MEDICALES**
[72] BERAN, MARK, US
[72] HERMANSON, JON, US
[71] ENCOMPASS GROUP, LLC, US
[85] 2021-10-25
[86] 2020-04-21 (PCT/US2020/029087)
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[30] US (16/391,364) 2019-04-23

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[51] **Int.Cl. G06F 9/44 (2018.01)**
[25] EN
[54] **DATA CACHING, DYNAMIC CODE GENERATION, AND DATA VISUALIZATION TECHNOLOGY**
[54] **MISE EN MEMOIRE CACHE DE DONNEES, GENERATION DE CODE DYNAMIQUE ET TECHNOLOGIE DE VISUALISATION DE DONNEES**
[72] DOBIESZ, NORMAN R., US
[71] DOVE VENTURES, LLC, US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029231)
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[51] **Int.Cl. E21B 33/038 (2006.01) E21B 33/035 (2006.01)**
[25] EN
[54] **IMPROVED STATION KEEPING AND EMERGENCY DISCONNECTING CAPABILITY FOR A VESSEL CONNECTED TO A SUBSEA WELLHEAD IN SHALLOW WATER**
[54] **MAINTIEN DE STATION ET CAPACITE DE DECONNEXION D'URGENCE AMELIORES POUR UN NAVIRE CONNECTE A UNE TETE DE PUITS SOUS-MARINE EN EAUX PEU PROFONDES**
[72] MCCORMICK, CRAIG, US
[72] REYNOLDS, SCOTT, US
[72] PELLEY, DARREL, US
[72] GALLAGHER, BOBBY, US
[71] MCCORMICK, CRAIG, US
[71] REYNOLDS, SCOTT, US
[71] PELLEY, DARREL, US
[71] GALLAGHER, BOBBY, US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029241)
[87] (WO2020/219503)
[30] US (62/839,205) 2019-04-26

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[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **AT-BIT SENSING OF ROCK LITHOLOGY**
[54] **DETECTION AU NIVEAU DU TREPAN DE LITHOLOGIE DE ROCHE**
[72] HARVEY, PETER R., US
[71] HARVEY, PETER R., US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029245)
[87] (WO2020/223073)
[30] US (62/839,900) 2019-04-29

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[51] **Int.Cl. G02C 7/08 (2006.01) G02B 27/01 (2006.01) G02C 7/02 (2006.01) G02C 7/04 (2006.01) G02F 1/1334 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **OPHTHALMIC LENSES WITH DYNAMIC OPTICAL PROPERTIES FOR REDUCING DEVELOPMENT OF MYOPIA**
[54] **LENTILLES OPHTALMIQUES AYANT DES PROPRIETES OPTIQUES DYNAMIQUES PERMETTANT DE REDUIRE LE DEVELOPPEMENT DE LA MYOPIE**
[72] HONES, PETER, US
[72] CHALBERG, JR., THOMAS W., US
[71] SIGHTGLASS VISION, INC., US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029273)
[87] (WO2020/219518)
[30] US (62/837,688) 2019-04-23

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[51] **Int.Cl. F16D 65/14 (2006.01) E21B 34/02 (2006.01)**
[25] EN
[54] **ACTUATOR WITH SPRING COMPRESSION AND DECOUPLING**
[54] **ACTIONNEUR UTILISANT LA COMPRESSION ET LE DECOUPLAGE D'UN RESSORT**
[72] MCEVOY, TRAVIS, US
[72] ADAMS, KEITH, US
[72] CHOATE, JEREMY, US
[71] VAULT PRESSURE CONTROL LLC, US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029299)
[87] (WO2020/219532)
[30] US (62/838,710) 2019-04-25
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[25] EN
[54] **COMBINATION THERAPEUTIC REGIMENS WITH 1,6-DIBROMO-1,6-DIDEOXY-DULCITOL**
[54] **REGIMES THERAPEUTIQUES COMBINES AVEC DU 1,6-DIBROMO-1,6-DIDESOXY-DULCITOL**
[72] MAGUIRE, PATRICK, US
[72] JOHNSTON, ROBERT, US
[72] LEDERMAN, SETH, US
[71] TARGENT, LLC, US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029350)
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[51] **Int.Cl. C23C 22/08 (2006.01) C09D 5/00 (2006.01) C23C 22/10 (2006.01)**
[25] EN
[54] **PROCESS AND COMPOSITION FOR PASSIVATING METAL SURFACES**
[54] **PROCEDE ET COMPOSITION PERMETTANT DE PASSIVER DES SURFACES METALLIQUES**
[72] HANNA, CODY R., US
[71] BULK CHEMICALS, INC., US
[85] 2021-10-25
[86] 2020-04-23 (PCT/US2020/029562)
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[51] **Int.Cl. A61J 1/14 (2006.01) A61J 1/06 (2006.01)**
[25] EN
[54] **DRUG SECURITY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SECURITE POUR MEDICAMENTS**
[72] LAFAUCI, MICHAEL A., US
[72] WAHL, JEFFREY R., US
[72] BROWN, ANDREW M., US
[72] PINSKY, JONATHAN, US
[71] MIDAS HEALTHCARE SOLUTIONS, INC., US
[85] 2021-10-25
[86] 2020-04-23 (PCT/US2020/029588)
[87] (WO2020/219724)
[30] US (62/839,361) 2019-04-26
[30] US (62/873,617) 2019-07-12

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 31/352 (2006.01) A61K 31/713 (2006.01) A61K 38/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PROTECTING EPITHELIAL AND BARRIER INTEGRITY**
[54] **COMPOSITIONS ET METHODES DE PROTECTION DE L'INTEGRITE EPITHELIALE ET DE BARRIERE**
[72] MUGISHO, ODUNAYO OMOLOLA BOLUWARIN, NZ
[72] GREEN, COLIN RICHARD, NZ
[72] DUFT, BRADFORD JAMES, US
[71] OCUNEXUS THERAPEUTICS, INC., US
[71] AUCKLAND UNISERVICES LIMITED, NZ
[85] 2021-10-25
[86] 2020-04-23 (PCT/US2020/029594)
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[25] EN
[54] **IONIZABLE AMINE LIPIDS AND LIPID NANOPARTICLES**
[54] **LIPIDES AMINES IONISABLES ET NANOPARTICULES LIPIDIQUES**
[72] SCULLY, STEPHEN S., US
[72] LAPLACA, DEREK, US
[72] PELLY, RACHEL, US
[72] PARMAR, RUBINA GIARE, US
[72] MAETANI, MICAH, US
[71] INTELLIA THERAPEUTICS, INC., US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029812)
[87] (WO2020/219876)
[30] US (62/838,551) 2019-04-25
[30] US (62/843,854) 2019-05-06

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[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **LITHIUM-ION BATTERY MANAGEMENT SYSTEM (BMS) HAVING DIAGONAL ARRANGEMENT**
[54] **SYSTEME DE GESTION DE BATTERIE LITHIUM-ION (BMS) AYANT UN AGENCEMENT DIAGONAL**
[72] MCBRIDE, JAMES P., US
[72] BOSWAY, MATTHEW MICHAEL, US
[71] THE NOCO COMPANY, US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029825)
[87] (WO2020/219888)
[30] US (62/839,348) 2019-04-26
[30] US (62/892,785) 2019-08-28
[30] US (16/564,758) 2019-09-09

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[51] **Int.Cl. A45F 5/02 (2006.01) H04N 5/225 (2006.01) G03B 17/00 (2021.01)**
[25] EN
[54] **MOUNT FOR AN ARTICLE OF WEAR**
[54] **SUPPORT POUR UN ARTICLE A PORTER**
[72] GRINNELL, EDWARD, US
[71] AXON ENTERPRISE, INC., US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029870)
[87] (WO2020/219918)
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[51] **Int.Cl. C08J 3/11 (2006.01) A61K 8/04 (2006.01) A61K 8/72 (2006.01) C08J 3/09 (2006.01) C08K 3/22 (2006.01) C08L 33/02 (2006.01)**
[25] EN
[54] **RAPID GEL POLYMERIC COMPOSITIONS, SYSTEMS AND METHODS**
[54] **COMPOSITIONS POLYMERES DE GEL RAPIDE, SYSTEMES ET PROCEDES**
[72] VIGILANTE, PAOLO, US
[72] ARAMO, PASQUALINO, US
[72] ZANCHI, GIORGIO, US
[71] 3V SIGMA USA INC., US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029871)
[87] (WO2020/219919)
[30] US (62/839,068) 2019-04-26

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[51] **Int.Cl. H04W 8/00 (2009.01) H04B 7/185 (2006.01)**
[25] EN
[54] **INTER NETWORK ROAMING BETWEEN INDEPENDENTLY MANAGED SATELLITE NETWORKS**
[54] **ITINERANCE INTER-RESEAUX ENTRE DES RESEAUX DE SATELLITES GERES DE MANIERE INDEPENDANTE**
[72] OZA, RAJEEV GAUTAM, US
[72] CHOQUETTE, GEORGE JOSEPH, US
[72] MONTGOMERY, GUY BRYAN, US
[72] KORADA, SURESH KUMAR, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029912)
[87] (WO2020/219944)
[30] US (62/838,924) 2019-04-25
[30] US (16/829,974) 2020-03-25

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[51] **Int.Cl. C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ENGINEERING AAV**
[54] **INGENIERIE AAV**
[72] MCGOVERN, KYLE, US
[72] OJALA, DAVID S., US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029964)
[87] (WO2020/219988)
[30] US (62/839,421) 2019-04-26
[30] US (62/915,386) 2019-10-15
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[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DU CANCER**
[72] LOBB, ROY, US
[72] RENNERT, PAUL, US
[71] ALETA BIOTHERAPEUTICS INC., US
[85] 2021-10-25
[86] 2020-04-24 (PCT/US2020/029967)
[87] (WO2020/219989)
[30] US (62/839,376) 2019-04-26

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[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01) C07K 5/02 (2006.01)**
[25] EN
[54] **PROSTATE-SPECIFIC MEMBRANE ANTIGEN (PSMA) INHIBITORS AS DIAGNOSTIC AND RADIONUCLIDE THERAPEUTIC AGENTS**
[54] **INHIBITEURS DE L'ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE (PSMA) EN TANT QU'AGENTS DIAGNOSTIQUES ET AGENTS THERAPEUTIQUES DE TYPE RADIONUCLEIDES**
[72] KUNG, HANK F., US
[72] ZHA, ZHIHAO, US
[72] PLOESSL, KARL, US
[72] CHOI, SEOK RYE, US
[71] FIVE ELEVEN PHARMA INC., US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030085)
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[51] **Int.Cl. A61F 5/448 (2006.01)**
[25] EN
[54] **OSTOMY WAFERS INCORPORATING ADHESIVES, OSTOMY DEVICES INCLUDING THE SAME, AND METHODS OF APPLYING**
[54] **PLAQUETTES DE STOMIE INCORPORANT DES ADHESIFS, DISPOSITIFS DE STOMIE LES COMPRENANT, ET PROCEDES D'UTILISATION**
[72] DONOVAN, EMILY, GB
[72] STOREY, GARRY, GB
[72] BONNEFIN, WAYNE, GB
[72] WOODWARD, ROXANNA, GB
[72] DESMOND, STEPHEN, GB
[72] PRICE, LISA, GB
[72] WILSON, CLIVE, GB
[72] GLOVER, JAMES, GB
[71] CONVATEC TECHNOLOGIES INC., US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030089)
[87] (WO2020/220024)
[30] US (62/838,895) 2019-04-25

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[13] A1
[51] **Int.Cl. A61F 5/445 (2006.01)**
[25] EN
[54] **OSTOMY WAFERS INCORPORATING ADHESIVES AND FOAM LAYERS, OSTOMY DEVICES INCLUDING THE SAME, AND METHODS OF APPLYING**
[54] **PLAQUETTES DE STOMIE INCORPORANT DES ADHESIFS ET DES COUCHES DE MOUSSE, DISPOSITIFS LES COMPRENANT, ET PROCEDES D'UTILISATION**
[72] DONOVAN, EMILY, GB
[72] STOREY, GARRY, GB
[72] BONNEFIN, WAYNE, GB
[72] WOODWARD, ROXANNA, GB
[72] DESMOND, STEPHEN, GB
[72] PRICE, LISA, GB
[72] WILSON, CLIVE, GB
[72] GLOVER, JAMES, GB
[71] CONVATEC TECHNOLOGIES INC., US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030090)
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[13] A1
[51] **Int.Cl. A61F 5/443 (2006.01)**
[25] EN
[54] **PERFORATED CHAMBER OSTOMYH WAFERS, DEVICES INCLUDING THE SAME, AND METHODS OF APPLYING**
[54] **PLAQUETTES DE STOMIE A CHAMBRE PERFOREE, DISPOSITIFS LES COMPRENANT, ET PROCEDES D'UTILISATION**
[72] DONOVAN, EMILY, GB
[72] STOREY, GARRY, GB
[72] BONNEFIN, WAYNE, GB
[72] WOODWARD, ROXANNA, GB
[72] DESMOND, STEPHEN, GB
[72] PRICE, LISA, GB
[72] WILSON, CLIVE, GB
[72] GLOVER, JAMES, GB
[71] CONVATEC TECHNOLOGIES INC., US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030091)
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[51] **Int.Cl. E04H 15/40 (2006.01) A61G 10/00 (2006.01) E04H 15/44 (2006.01)**
[25] EN
[54] **PERSONAL POP-UP PODS**
[54] **CAPSULES POP-UP PERSONNELLES**
[72] PESCOVITZ, ERIC, US
[71] UNDER THE WEATHER, LLC, US
[71] PESCOVITZ, ERIC, US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030129)
[87] (WO2020/220039)
[30] US (16/394,622) 2019-04-25
[30] US (63/001,336) 2020-03-29
[30] US (63/004,504) 2020-04-03

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[51] **Int.Cl. C08F 2/00 (2006.01) C07C 217/28 (2006.01) C08K 5/16 (2006.01) C09K 15/00 (2006.01) C10L 10/00 (2006.01) C10M 139/04 (2006.01)**
[25] EN
[54] **OXYGENATED AROMATIC AMINES AND USE AS ANTIOXIDANTS**
[54] **AMINES AROMATIQUES OXYGENEES ET UTILISATION COMME AGENTS ANTIOXYDANTS**
[72] DHAWAN, ASHISH, US
[72] SYED, ABUZAR, US
[72] PENNINGTON, JANELLE, US
[71] ECOLAB USA INC., US
[85] 2021-10-25
[86] 2020-04-28 (PCT/US2020/030251)
[87] (WO2020/223225)
[30] US (62/840,133) 2019-04-29

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[13] A1
[51] **Int.Cl. F28F 1/40 (2006.01) B21C 23/10 (2006.01) F28F 1/10 (2006.01)**
[25] EN
[54] **RIBBED EXTRUDED ELECTRICAL CONDUIT**
[54] **CONDUITE ELECTRIQUE EXTRUDEE NERVUREE**
[72] MORELLO, CARMEN, US
[72] WESTPHAL, RALPH, US
[71] HYDRO EXTRUSION USA, LLC, US
[85] 2021-10-25
[86] 2020-04-29 (PCT/US2020/030469)
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[51] **Int.Cl. B01D 17/02 (2006.01)**
[25] EN
[54] **OILFIELD NATURAL GAS PROCESSING AND PRODUCT UTILIZATION**
[54] **TRAITEMENT DE GAZ NATUREL DE CHAMP PETROLIFERE ET UTILISATION DE PRODUIT**
[72] MECHLER, THOMAS RICHARD, US
[72] BONASSO, MELEA RACHEL, US
[71] CHRISMA ENERGY SOLUTIONS, LP, US
[85] 2021-10-25
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[54] **MODULATING THE EFFECTS OF GAMMA-C-CYTOKINE SIGNALING FOR THE TREATMENT OF ALOPECIA AND ALOPECIA ASSOCIATED DISORDERS**
[54] **MODULATION DES EFFETS DE LA SIGNALISATION DE LA CYTOKINE GAMMA-C POUR LE TRAITEMENT DE L'ALOPECIE ET DE TROUBLES ASSOCIES A L'ALOPECIE**
[72] TAGAYA, YUTAKA, US
[72] AZIMI, NAZLI, US
[71] BIONIZ, LLC, US
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[54] **METHODS OF USING ANTIOXIDANTS IN FABRIC TREATMENT COMPOSITIONS FOR TREATING ELASTANE-CONTAINING FABRICS**
[54] **PROCEDES D'UTILISATION D'ANTIOXYDANTS DANS DES COMPOSITIONS DE TRAITEMENT DE TISSUS POUR LE TRAITEMENT DE TISSUS CONTENANT DE L'ELASTHANNE**
[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE JR., US
[72] WANG, YUEXI, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **PARTICLE TREATMENT COMPOSITIONS COMPRISING AN ANTIOXIDANT**
[54] **COMPOSITIONS DE TRAITEMENT DE PARTICULES COMPRENANT UN ANTIOXYDANT**
[72] MIRACLE, GREGORY SCOT, US
[72] DITULLIO, DANIEL DALE JR., US
[72] WANG, YUEXI, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **METHOD OF TREATING FABRICS WITH SELECTIVE DOSING OF AGITATION-SENSITIVE INGREDIENTS**
[54] **PROCEDE DE TRAITEMENT DE TISSUS AVEC DOSAGE SELECTIF D'INGREDIENTS SENSIBLES A L'AGITATION**
[72] AMADOR ZAMARRENO, CARLOS, GB
[72] BROOKER, ANJU DEEPALI MASSEY, GB
[72] BUENO ROMO, LAURA, GB
[72] MOON, LIBBI, GB
[72] ZYMPELOUDI, DESPOINA, GB
[72] SOUTER, PHILIP FRANK, GB
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **OPTIMIZATION OF ENGINEERED MEGANUCLEASES FOR RECOGNITION SEQUENCES**
[54] **OPTIMISATION DE MEGANUCLEASES MODIFIEES POUR DES SEQUENCES DE RECONNAISSANCE**
[72] SMITH, JAMES JEFFERSON, US
[72] LI, HUI, US
[71] PRECISION BIOSCIENCES, INC., US
[85] 2021-10-25
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[54] **METHOD FOR MONITORING AN ENGINE CONTROL UNIT**
[54] **PROCEDE DE SUPERVISION D'UNE UNITE DE CONTROLE MOTEUR**
[72] MARTIN, CHRISTOPHE PIERRE GEORGES, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **SYSTEM AND METHOD FOR OPERATION OF COLLAPSIBLE MULTI-SHELF CARTS**
[54] **SYSTEME ET PROCEDE POUR LE FONCTIONNEMENT DE CHARIOTS A ETAGERES MULTIPLES PLIABLES**
[72] BIDRAM, FARHANG, CA
[71] ADVANCED INTELLIGENT SYSTEMS INC., CA
[85] 2021-10-25
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[51] **Int.Cl. G16H 40/20 (2018.01)**
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[54] **IMAGE RECOGNITION BASED WORKSTATION FOR EVALUATION ON QUALITY CHECK OF COLONOSCOPY**
[54] **POSTE DE TRAVAIL BASE SUR LA RECONNAISSANCE D'IMAGE POUR L'EVALUATION D'EXAMEN DE QUALITE DE COLOSCOPIE**
[72] WANG, YUFENG, CN
[71] TIANJIN YUJIN ARTIFICIAL INTELLIGENCE MEDICAL TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **METHOD AND APPARATUS FOR PIPELINE MONITORING**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE PIPELINE**
[72] TAILOR, DILIP, CA
[72] DUNN, RONALD, CA
[72] BRANDON, MARK PHILLIP, CA
[72] HAMMAMI, AHMED, CA
[72] CONNORS, SEAN, CA
[72] LAFERRIERE, PASCAL, CA
[72] SLINGERLAND, ERIC, CA
[72] WONG, DENNIS, CA
[71] SHAWCOR LTD., CA
[85] 2021-10-25
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[54] **PICTURE PREDICTION METHOD AND APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE PREDICTION D'IMAGE ET SUPPORT D'INFORMATIONS LISIBLE PAR ORDINATEUR**
[72] CHEN, XU, CN
[72] CHEN, HUANBANG, CN
[72] YANG, HAITAO, CN
[72] ZHANG, LIAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-10-25
[86] 2020-04-23 (PCT/CN2020/086418)
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[54] **MEASUREMENT MANAGEMENT METHOD AND APPARATUS, AND COMMUNICATION DEVICE**
[54] **PROCEDE ET APPAREIL DE GESTION DE MESURE, ET DISPOSITIF DE COMMUNICATION**
[72] WANG, SHUKUN, CN
[72] SHI, ZHIHUA, CN
[72] XU, WEIJIE, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **SYSTEM FOR COMPUTER GUIDED SURGERY**
[54] **SYSTEME POUR CHIRURGIE GUIDEE PAR ORDINATEUR**
[72] BLEUNVEN, BLAISE, FR
[72] MOULIN, CYRIL, FR
[72] CAHEN, SOPHIE, FR
[72] LOY RODAS, NICOLAS, FR
[72] BONNIN, MICHEL, FR
[72] AIT SI SELMI, TARIK, FR
[72] DECROUEZ, MARION, FR
[71] GANYMED ROBOTICS, FR
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[51] **Int.Cl. H04W 74/00 (2009.01)**
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[54] **RANDOM ACCESS METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE D'ACCES ALEATOIRE ET APPAREIL DE COMMUNICATION**
[72] XU, XIAOYING, CN
[72] HUANG, QUFANG, CN
[72] YOU, CHUNHUA, CN
[72] GUO, YINGHAO, CN
[72] ZHAO, LI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[51] **Int.Cl. E04B 2/74 (2006.01) E04B 2/76 (2006.01) E04B 9/10 (2006.01) E04B 9/12 (2006.01) E04B 9/16 (2006.01) F16B 2/24 (2006.01) F16B 7/04 (2006.01) E04C 3/04 (2006.01)**
[25] EN
[54] **PARTITION SUPPORT STRUCTURE MOUNTING TRACK**
[54] **PISTE DE MONTAGE DE STRUCTURE DE SUPPORT DE PARTITION**
[72] KING, WAYNE, GB
[72] CROSS, LEE, GB
[72] HEATON, CHRIS, GB
[71] QUICKTRAK LTD, GB
[85] 2021-10-25
[86] 2020-04-24 (PCT/EP2020/061548)
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[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRROLO [2, 3-B] PYRIDINE AND PYRAZOLO [3, 4-B] PYRIDINE DERIVATIVES AS PROTEIN KINASE INHIBITORS**
[54] **DERIVES DE PYRROLO [2, 3-B] PYRIDINE ET DE PYRAZOLO [3,4-B] PYRIDINE SUBSTITUES EN TANT QU'INHIBITEURS DE PROTEINE KINASE**
[72] TAN, HAOHAN, CN
[72] LIU, QIHONG, CN
[72] LIU, BIN, CN
[72] LI, ZHIFU, CN
[72] WANG, XIANLONG, CN
[72] ZHOU, ZUWEN, CN
[72] ZHANG, WEIPENG, CN
[72] WANG, YUNLING, CN
[72] ZHOU, CHENGLIN, CN
[72] GAO, YUWEI, CN
[72] JIANG, LIHUA, CN
[72] LIU, YANXIN, CN
[72] ZOU, ZONGYAO, CN
[72] LIN, SHU, US
[72] YU, KAI, US
[72] LI, TONGSHUANG, US
[72] ZHAO, XINGDONG, CN
[72] WANG, WEIBO, US
[71] FOCHON PHARMACEUTICALS, LTD., CN
[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN
[85] 2021-10-25
[86] 2020-06-01 (PCT/CN2020/093734)
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[30] US (62/904,611) 2019-09-23
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[51] **Int.Cl. C07D 405/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF ETHYL 3-AMINO-1-[(3R,4S)-4-CYANOTETRAHYDROPYRAN-3-YL]PYRAZOLE-4-CARBOXYLATE THROUGH CHIRAL SEPARATION OF A RACEMIC MIXTURE**
[54] **PROCEDE DE PRODUCTION DE 3-AMINO-1-[(3R,4S)-4-CYANOTETRAHYDROPYRAN-3-YL] PYRAZOLE-4-CARBOXYLATE D'ETHYLE PAR SEPARATION CHIRALE D'UN MELANGE RACEMIQUE**
[72] CHASSAING, CHRISTOPHE PIERRE ALAIN, DE
[72] GRIMM, KARL-HEINZ, DE
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2021-10-25
[86] 2020-05-01 (PCT/EP2020/062180)
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[51] **Int.Cl. A61L 26/00 (2006.01)**
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[54] **NOVEL POLYSACCHARIDE-BASED HYDROGEL SCAFFOLDS FOR WOUND CARE**
[54] **NOUVEAUX ECHAFAUDAGES D'HYDROGEL A BASE DE POLYSACCHARIDE POUR SOINS DE PLAIE**
[72] ZHANG, CHI, SG
[72] HONG, SHIQI, SG
[72] GOKHALE, RAJEEV, SG
[72] EE, PUI LAI RACHEL, SG
[72] NG, JIAN YAO, SG
[71] ROQUETTE FRERES, FR
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
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[51] **Int.Cl. C04B 28/18 (2006.01) C04B 40/02 (2006.01)**
[25] EN
[54] **CONSTRUCTION PANEL WITH HIGH RESISTANCE TO FIRE AND METHOD FOR PRODUCING A CONSTRUCTION PANEL WITH HIGH RESISTANCE TO FIRE**
[54] **PANNEAU DE CONSTRUCTION A HAUTE RESISTANCE AU FEU ET PROCEDE DE FABRICATION D'UN PANNEAU DE CONSTRUCTION A HAUTE RESISTANCE AU FEU**
[72] KOSLOWSKI, THOMAS, DE
[72] SCHWIEBACHER, WERNER, DE
[72] MARTIN, KAI, DE
[72] NAURATH, BERT, DE
[72] KLOCKENER, ALBERT, DE
[71] KNAUF PERFORMANCE MATERIALS GMBH, DE
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[51] **Int.Cl. A23J 1/14 (2006.01) A23L 11/30 (2016.01) A23J 3/14 (2006.01) A23L 2/66 (2006.01) B01D 61/14 (2006.01)**
[25] EN
[54] **SUNFLOWER ALBUMIN ISOLATE AND PROCESS FOR THE PRODUCTION THEREOF**
[54] **ISOLAT DE ALBUMINE DE TOURNESOL ET PROCEDE DE PRODUCTION ASSOCIE**
[72] GALET, OLIVIER, FR
[72] KAPEL, ROMAIN, FR
[72] ALBE SLABI, SARA, PL
[71] AVRIL, FR
[71] UNIVERSITE DE LORRAINE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[25] EN
[54] **ADSORBER STRUCTURE FOR GAS SEPARATION PROCESSES**
[54] **STRUCTURE D'ADSORBANT POUR PROCESSUS DE SEPARATION DE GAZ**
[72] SUTER, ROGER, CH
[72] TSCHENSE, ARTUR, CH
[72] MEGERLE, BENJAMIN, CH
[72] REPOND, NICOLAS, CH
[72] GEBALD, CHRISTOPH, CH
[72] WURZBACHER, JAN ANDRE, CH
[71] CLIMEWORKS AG, CH
[85] 2021-10-25
[86] 2020-06-12 (PCT/EP2020/066340)
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[51] **Int.Cl. H04W 12/06 (2021.01)**
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[54] **AUTHENTICATION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME D'AUTHENTIFICATION**
[72] WU, RONG, CN
[72] GINZBOORG, PHILIP, CN
[72] NIEMI, VALTTERI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-10-25
[86] 2020-06-12 (PCT/CN2020/095772)
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[30] CN (201910518148.7) 2019-06-14

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[51] **Int.Cl. C12Q 1/6855 (2018.01) C12Q 1/6869 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **METHOD OF AMPLIFYING MRNAS AND FOR PREPARING FULL LENGTH MRNA LIBRARIES**
[54] **PROCEDE D'AMPLIFICATION D'ARNM ET DE PREPARATION DE BIBLIOTHEQUES D'ARNM PLEINE LONGUEUR**
[72] FRISCHMUTH, THOMAS, DE
[72] SERDJUKOW, SASCHA, DE
[72] SOBOTTA, JESSICA, DE
[72] GRAF, BIRGIT, DE
[71] BASECLICK GMBH, DE
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[51] **Int.Cl. G02B 27/00 (2006.01) G02B 27/01 (2006.01) G02B 27/28 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR EYE TRACKING BASED ON EYE IMAGING VIA A LIGHT-GUIDE OPTICAL ELEMENT**
[54] **APPAREIL ET PROCEDES DE SUIVI DE L'□IL SUR LA BASE DE L'IMAGERIE DE L'□IL PAR L'INTERMEDIAIRE D'UN ELEMENT OPTIQUE DE GUIDE DE LUMIERE**
[72] RONEN, EITAN, IL
[71] LUMUS LTD, IL
[85] 2021-10-25
[86] 2020-06-25 (PCT/IL2020/050715)
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[30] US (62/867,249) 2019-06-27
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[51] **Int.Cl. A62C 31/03 (2006.01)**
[25] EN
[54] **MULTI-MODE VISUAL SERVO CONTROL FIRE-FIGHTING SYSTEM AND WORKING METHOD THEREOF**
[54] **SYSTEME DE LUTTE CONTRE L'INCENDIE A ASSERVISSEMENT VISUEL MULTIMODE ET PROCEDE DE FONCTIONNEMENT**
[72] LI, WEI, CN
[72] PAN, LU, CN
[72] ZHANG, BO, CN
[72] LI, BEIBEI, CN
[72] LIU, XIUMEI, CN
[72] ZHU, JINSONG, CN
[72] LIN, DA, CN
[72] ZHANG, SHUAISHUAI, CN
[72] GAO, HONGZHUANG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[51] **Int.Cl. H01L 21/02 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR STRUCTURE AND METHOD**
[54] **STRUCTURE SEMI-CONDUCTRICE ET PROCEDE**
[72] LAUKKANEN, PEKKA, FI
[72] LEHTIO, JUHA-PEKKA, FI
[72] JAHANSHAH RAD, ZAHRA, FI
[72] KUZMIN, MIKHAIL, RU
[72] PUNKKINEN, MARKO, FI
[72] LAHTI, ANTTI, FI
[72] KOKKO, KALEVI, FI
[71] TURUN YLIOPISTO, FI
[85] 2021-10-25
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[30] FI (20195341) 2019-04-26

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[51] **Int.Cl. E21B 47/00 (2012.01) F16M 11/06 (2006.01)**
[25] EN
[54] **ATTITUDE SURVEY INSTRUMENT WITH ROTATING SENSOR GIMBAL FOR BIAS ELIMINATION**
[54] **INSTRUMENT D'EVALUATION D'ASSIETTE DOTE D'UN CARDAN DE CAPTEUR TOURNANT POUR ELIMINATION DE POLARISATION**
[72] PELL, CHRISTOPHER, AU
[72] GUTTERUD, ERIK, AU
[72] WILSON, CORY, AU
[72] KOPLAN, CHRISTOPHER THOMAS, AU
[72] HOLLISTER, GREGORY W., AU
[72] BUCKLEY, DENNIS, AU
[72] PRICE, TIMOTHY, AU
[71] RELEX INSTRUMENTS ASIA PACIFIC PTY LTD, AU
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[25] EN
[54] **PRESS FIT CONDULET DEVICES, ASSEMBLIES SYSTEMS AND METHODS FOR ELECTRICAL RACEWAY FABRICATION**
[54] **DISPOSITIFS DE RACCORD DE TUBES A AJUSTEMENT PAR PRESSION, SYSTEMES D'ENSEMBLES ET PROCEDES POUR LA FABRICATION DE CHEMINS DE CABLES ELECTRIQUES**
[72] PLATT, JOSEPH EDWARD, US
[72] LOPEZ, JOSEPH VINCENT, US
[72] SHET, VINOD MANOHAR, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2021-10-25
[86] 2020-04-28 (PCT/EP2020/025196)
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[30] US (62/840,551) 2019-04-30
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[72] VAN DER AUWERA, GEERT, US
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[54] **SYSTEME DE COLLECTE DE DONNEES UTILES POUR ANALYSER LA MORPHOMETRIE CORPORELLE ET METHODE CONNEXE**
[72] LERMA GARCIA, JOSE LUIS, ES
[72] BARBERO GARCIA, INES, ES
[72] MIRANDA LLORET, PABLO, ES
[72] BLANCO PONS, SILVIA, ES
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[72] COOMBES, SIMON, US
[72] SCOTT, LYLE, US
[72] MORAN, LOURDES MOLINA, US
[72] TRAJANO, RIGEL KEN, US
[72] SILVERMAN, SHMUEL, US
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[54] **COMPOSITION LIQUIDE PROBIOTIQUE CONTENANT DES SPORES ET SON PROCEDE DE PREPARATION**
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[72] CASH, HOWARD, US
[72] COBBE, STEPHEN G., US
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[54] **PROCEDES POUR TRAITER LES TROUBLES NEUROCOGNITIFS, LA DOULEUR CHRONIQUE, ET POUR REDUIRE L'INFLAMMATION**
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[72] BROWN, CHRISTOPHER, GB
[72] NORTHEN, JULIAN SCOTT, GB
[72] MOORE, GILLIAN, GB
[72] PATIL, HEMANT KASHINATH, GB
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[72] MEDHURST, LAURIE EMMA, GB
[72] POULSEN, NATHAN, GB
[72] SELIMBEYOGLU, ASLIHAN, GB
[72] SOULA, ANAIS, GB
[72] SHUXIANG, AMANDA TAN, GB
[72] VERAART, MANON CECILE ELISABETH, GB
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[72] EOVALDI, DANIEL, US
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[72] SMITH, DAN, US
[72] HOVELMANN, FELIX, DE
[72] KRUGER, CORINNA, DE
[72] KRULL, MATTHIAS, DE
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[72] MURAOKA, DAISUKE, JP
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[72] FRIPP, MICHAEL LINLEY, US
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[72] TOLAN, JEFFREY S., CA
[72] MACKENZIE, DOUGLAS A., CA
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[71] FABRICATIONS TJD INC., CA
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[54] **SYSTEMES ET PROCEDES POUR REDUIRE LES ABERRATIONS THERMIQUES INDUITES PAR LE CRANE PENDANT DES INTERVENTIONS THERAPEUTIQUES ULTRASONORES TRANSCRANIENNES**
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[72] HUGHES, ALEC, CA
[72] DENG, LULU, CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
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[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[54] **ROBOT DE PULVERISATION, PROCEDE DE COMMANDE ET SUPPORT D'INFORMATIONS LISIBLE PAR ORDINATEUR**
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[72] JI, RUINAN, CN
[72] LI, LUE, CN
[71] GUANGDONG BRIGHT DREAM ROBOTICS CO., LTD., CN
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[54] **PROTEINES CHIMERIQUES ET PROCEDES POUR CRIBLER DES COMPOSES ET DES LIGANDS SE LIANT A DES GPCR**
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[72] CLAES, PIETER, BE
[72] VERVERKEN, CEDRIC, BE
[72] MENET, CHRISTEL, BE
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[71] AUXOLYTIC LTD, GB
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[87] (WO2020/227637)
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[54] **STRETCHABLE CONDUCTIVE NANOCOMPOSITE PARTICLES**
[54] **PARTICULES NANOCOMPOSITES CONDUCTRICES ETIRABLES**
[72] REYNAUD, STEPHANIE, FR
[72] MARCASUZAA, PIERRE, FR
[71] UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2021-10-26
[86] 2020-04-30 (PCT/EP2020/062011)
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[30] FR (FR1904606) 2019-05-02

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[54] **EXTRACTING AND REFINING PLANT CUTICULAR WAXES FROM AQUEOUS DISPERSION USING TEMPERATURE AND PH ADJUSTMENT**
[54] **EXTRACTION ET RAFFINAGE DE CIRES CUTICULAIRES VEGETALES A PARTIR D'UNE DISPERSION AQUEUSE AU MOYEN D'UN AJUSTEMENT DE LA TEMPERATURE ET DU PH**
[72] VINTHER, PER, DK
[72] LAWTHER, JOHN MARK, DK
[71] JENA TRADING APS, DK
[85] 2021-10-26
[86] 2020-04-30 (PCT/EP2020/062074)
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[25] EN
[54] **SYNTROPHIC ENRICHMENT FOR ENHANCED DIGESTION PROCESS**
[54] **ENRICHISSEMENT SYNTROPHIQUE POUR UN PROCEDE DE DIGESTION AMELIORE**
[72] KADOTA, PAUL, CA
[72] MARKIN, PAUL, CA
[72] ESKICIOGLU, CIGDEM, CA
[71] METRO VANCOUVER REGIONAL DISTRICT, CA
[71] GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT, CA
[85] 2021-10-25
[86] 2020-06-08 (PCT/IB2020/000446)
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[25] EN
[54] **VEHICLE DOOR OPERATOR SYSTEM**
[54] **SYSTEME DE COMMANDE DE PORTE DE VEHICULE**
[72] HEIDRICH, PETER, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2021-10-25
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[25] EN
[54] **A FUEL CONTAINER**
[54] **RECIPIENT A COMBUSTIBLE**
[72] TAYLOR, PETER, GB
[72] BUTLER, JAMES, GB
[71] B & T PRODUCTS LTD., GB
[85] 2021-10-25
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[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/56 (2006.01) C02F 1/38 (2006.01)**
[25] EN
[54] **METHOD FOR FLOCCULATING SOLID PARTICLES CONTAINED IN A SUSPENSION, AND SYSTEM FOR CARRYING OUT THE METHOD**
[54] **PROCEDE DE FLOCULATION DE PARTICULES SOLIDES CONTENUES DANS UNE SUSPENSION, ET SYSTEME DE REALISATION DE CE PROCEDE**
[72] KOCHER, MICHAEL, DE
[72] VALI, MOHAMMAD REZA, DE
[72] KRUGER, WERNER, DE
[72] ALBERS, MATTHIAS, DE
[71] KAM ANALYSEN- UND MESSTECHNIK GMBH, DE
[85] 2021-10-26
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[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **METHOD FOR THE DETECTION OF CANCER**
[54] **PROCEDE DE DETECTION D'UN CANCER**
[72] MICALLEF, JACOB VINCENT, BE
[72] ECCLESTON, MARK EDWARD, BE
[72] HERZOG, MARIELLE, BE
[72] TERRELL, JASON BRADLEY, BE
[71] BELGIAN VOLITION SPRL, BE
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[86] 2020-05-01 (PCT/EP2020/062190)
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[25] EN
[54] **METHODS OF USING ANTI-CD79B IMMUNOCONJUGATES TO TREAT FOLLICULAR LYMPHOMA**
[54] **PROCEDES D'UTILISATION D'IMMUNOCONJUGUES ANTI-CD79B POUR TRAITER UN LYMPHOME FOLLICULAIRE**
[72] MUSICK, LISA, US
[72] HIRATA, JAMIE HARUE, US
[71] GENENTECH, INC., US
[85] 2021-10-22
[86] 2020-05-13 (PCT/US2020/032745)
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[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] STEVENSON, ALEX, GB
[72] CHETAL, SASHA, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2021-10-26
[86] 2020-05-11 (PCT/EP2020/063084)
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[51] **Int.Cl. C08J 7/043 (2020.01) C08J 7/12 (2006.01)**
[25] EN
[54] **THERMOPLASTIC SURFACES COMPRISING DIRECT BONDED CHEMICAL SEALANTS**
[54] **SURFACES THERMOPLASTIQUES COMPORTANT DES PRODUITS D'ETANCHEITE CHIMIQUES DIRECTEMENT COLLES**
[72] CHAEICHIAN, SINA, US
[72] SCHAERER, KASPAR, US
[72] AHMED, BASHIR M., US
[72] ABU-SHANAB, OMAR L., US
[72] HALBASCH, MICHAEL D., US
[72] EYASSU, TSEHAYE N., US
[72] RENKEL, MARTIN, DE
[72] O'KANE, RUAIRI, US
[72] JAVIER, ANNA ESMERALDA, US
[71] HENKEL AG & CO. KGAA, DE
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2021-10-25
[86] 2020-05-04 (PCT/US2020/070020)
[87] (WO2020/232462)
[30] US (62/846,350) 2019-05-10

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[51] **Int.Cl. C11B 11/00 (2006.01)**
[25] EN
[54] **EXTRACTING AND REFINING PLANT CUTICULAR WAXES FROM AQUEOUS DISPERSION USING A CAPTURING AGENT**
[54] **EXTRACTION ET RAFFINAGE DE CIRES CUTICULAIRES VEGETALES A PARTIR D'UNE DISPERSION AQUEUSE A L'AIDE D'UN AGENT DE CAPTURE**
[72] VINTHER, PER, DK
[72] LAWTHER, JOHN MARK, DK
[71] JENA TRADING APS, DK
[85] 2021-10-26
[86] 2020-04-30 (PCT/EP2020/062075)
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[51] **Int.Cl. B32B 7/10 (2006.01) B32B 27/08 (2006.01) B32B 37/15 (2006.01) C08J 3/28 (2006.01) C08J 7/12 (2006.01) C08J 7/043 (2020.01)**
[25] EN
[54] **DIRECT APPLICATION OF THERMOSETTING COMPOSITE SURFACING FILMS TO UV-TREATED THERMOPLASTIC SURFACES AND RELATED COMPOSITE STRUCTURES**
[54] **APPLICATION DIRECTE DE FILMS DE SURFACAGE COMPOSITES THERMODURCISSABLES SUR DES SURFACES THERMOPLASTIQUES TRAITEES AUX UV ET STRUCTURES COMPOSITES ASSOCIEES**
[72] CHAEICHIAN, SINA, US
[72] SCHAERER, KASPAR, US
[72] O'KANE, RUAIRI, US
[72] LI, LI, US
[72] HALBASCH, MICHAEL D., US
[72] RENKEL, MARTIN, DE
[72] ABU-SHANAB, OMAR L., US
[72] DEEGAN, BRIAN, IE
[72] JAVIER, ANNA ESMERALDA, US
[71] HENKEL IP & HOLDING GMBH, DE
[71] HENKEL AG & CO. KGAA, DE
[85] 2021-10-25
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[30] US (62/846,074) 2019-05-10

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[51] **Int.Cl. C21B 11/10 (2006.01) C21B 13/00 (2006.01) C21B 13/14 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL**
[54] **PROCEDE DE FUSION D'UNE MATIERE DE CHARGE METALLIFERE**
[72] BOUWER, PETRUS HENDRIK FERREIRA, ZA
[71] AFRICAN RAINBOW MINERALS LIMITED, ZA
[85] 2021-10-25
[86] 2020-05-11 (PCT/IB2020/054424)
[87] (WO2020/229994)
[30] NL (2023109) 2019-05-10

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[51] **Int.Cl. G08B 13/24 (2006.01)**
[25] EN
[54] **A COMPUTER-IMPLEMENTED METHOD FOR ESTIMATING MOVEMENTS OF A CROWD BETWEEN AREAS**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR POUR ESTIMER DES MOUVEMENTS D'UNE FOULE ENTRE DES ZONES**
[72] BELLEKENS, BEN, BE
[72] BERKVENS, RAFAEL, BE
[72] DENIS, STIJN, BE
[72] WEYN, MAARTEN, BE
[71] IMEC VZW, BE
[71] UNIVERSITEIT ANTWERPEN, BE
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[86] 2020-05-20 (PCT/EP2020/064098)
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[30] EP (19176519.7) 2019-05-24

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[13] A1
[51] **Int.Cl. H01M 6/52 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **METHOD FOR NEUTRALISING AN ELECTROCHEMICAL GENERATOR**
[54] **PROCEDE DE NEUTRALISATION D'UN GENERATEUR ELECTROCHIMIQUE**
[72] BILLY, EMMANUEL, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2021-10-26
[86] 2020-05-12 (PCT/EP2020/063204)
[87] (WO2020/229478)
[30] FR (FR1905070) 2019-05-15

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[13] A1
[51] **Int.Cl. C07H 1/00 (2006.01) C07H 15/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE MANUFACTURE OF (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4AR,10AR)-7-HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-C ARBOXYLIC ACID AND INTERMEDIATE THEREOF**
[54] **PROCEDE DE FABRICATION DE (2S,3S,4S,5R,6S) -3,4,5-TRIHYDROXY-6-(((4AR,10AR)-HYDROXY-1-PROPYL-1,2,3,4,4 A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-CARBOXYL IQUE ET UN INTERMEDIAIRE DE CELUI-CI**
[72] JUHL, MARTIN, DK
[72] JACOBSEN, MIKKEL FOG, DK
[72] KVÆRNO, LISBET, DK
[71] H. LUNDBECK A/S, DK
[85] 2021-10-26
[86] 2020-05-19 (PCT/EP2020/063908)
[87] (WO2020/234270)
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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/155 (2006.01) A61P 31/14 (2006.01) C07K 14/115 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **A SUBUNIT VACCINE FOR TREATMENT OR PREVENTION OF A RESPIRATORY TRACT INFECTION**
[54] **VACCIN SOUS-UNITAIRE POUR LE TRAITEMENT OU LA PREVENTION D'UNE INFECTION DES VOIES RESPIRATOIRES**
[72] PERUGI, FABIEN, FR
[72] SCHWAMBORN, KLAUS, FR
[72] SCHULER, WOLFGANG, AT
[72] LUNDBERG, URBAN, AT
[72] MEINKE, ANDREAS, AT
[71] VALNEVA SE, FR
[85] 2021-10-26
[86] 2020-05-19 (PCT/EP2020/063973)
[87] (WO2020/234300)
[30] EP (19175413.4) 2019-05-20

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[51] **Int.Cl. H03M 7/40 (2006.01) H04N 19/13 (2014.01) H03M 7/42 (2006.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUS FOR ALPHABET-PARTITION CODING OF TRANSFORM COEFFICIENTS FOR POINT CLOUD COMPRESSION**
[54] **TECHNIQUES ET APPAREIL DE CODAGE PAR PARTITION DE L'ALPHABET DE COEFFICIENTS DE TRANSFORMEE POUR COMPRESSION DE NUAGE DE POINTS**
[72] YEA, SEHOON, US
[72] WENGER, STEPHAN, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-25
[86] 2021-01-07 (PCT/US2021/012527)
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[30] US (62/958,839) 2020-01-09
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[30] US (17/110,691) 2020-12-03

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[13] A1
[51] **Int.Cl. C08K 5/549 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING SILYLATED POLYMER**
[54] **COMPOSITION COMPRENANT UN POLYMERE SILYLE**
[72] PHANOPOULOS, CHRISTOPHER, BE
[72] CHUANG, YA-MI, BE
[72] MARTINI, GIULIO, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2021-10-26
[86] 2020-05-26 (PCT/EP2020/064539)
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[30] EP (19177276.3) 2019-05-29

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[51] **Int.Cl. H03M 7/30 (2006.01) G06T 9/20 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR POINT CLOUD CODING**
[54] **PROCEDE ET APPAREIL DE CODAGE DE NUAGES DE POINTS**
[72] YEA, SEHOON, US
[72] GAO, WEN, US
[72] ZHANG, XIANG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-25
[86] 2021-03-25 (PCT/US2021/024044)
[87] (WO2021/202220)
[30] US (63/004,304) 2020-04-02
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[51] **Int.Cl. A61K 31/436 (2006.01) A61K 38/44 (2006.01) A61P 19/06 (2006.01) G01N 33/62 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **FORMULATIONS AND DOSES OF PEGYLATED URICASE**
[54] **FORMULATIONS ET DOSES D'URICASE PEGYLEE**
[72] JOHNSTON, LLOYD, US
[72] KISHIMOTO, TAKASHI KEI, US
[72] SANDS, EARL, US
[72] CAUTREELS, WERNER, US
[71] SELECTA BIOSCIENCES, INC., US
[85] 2021-10-25
[86] 2020-06-04 (PCT/US2020/036116)
[87] (WO2020/247625)
[30] US (62/856,844) 2019-06-04
[30] US (62/932,728) 2019-11-08

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMULATIONS OF FCRN INHIBITORS SUITABLE FOR SUBCUTANEOUS ADMINISTRATION**
[54] **FORMULATIONS PHARMACEUTIQUE D'INHIBITEURS DE FCRN APPROPRIEES POUR UNE ADMINISTRATION PAR VOIE SOUS-CUTANEE**
[72] BORGIONS, FILIP, BE
[72] LEMOULT, STEPHANIE, DK
[72] MEERSCHAERT, KRIS, BE
[71] ARGENX BVBA, BE
[85] 2021-10-26
[86] 2020-06-05 (PCT/EP2020/065716)
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[30] US (62/858,806) 2019-06-07

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[51] **Int.Cl. F04D 25/06 (2006.01) F04D 25/08 (2006.01) F24F 7/007 (2006.01) H01L 35/00 (2006.01)**
[25] EN
[54] **SELF-POWERED THERMAL FAN**
[54] **VENTILATEUR THERMIQUE AUTO-ALIMENTE**
[72] REID, RANDALL H., CA
[71] REID, RANDALL H., CA
[85] 2021-10-21
[86] 2020-04-22 (PCT/CA2020/050530)
[87] (WO2020/215152)
[30] US (62/838,604) 2019-04-25

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[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01)**
[25] EN
[54] **A PNEUMATICALLY-CONTROLLED FALL PREVENTION MODULE FOR THE REAR OF A TRUCK, AND A DEVICE FOR THE FASTENING OF THIS MODULE TO A SAFETY HARNESS**
[54] **MODULE ANTICHUTE A COMMANDE PNEUMATIQUE POUR PARTIES ARRIERES DE CAMIONS, ET DISPOSITIF DE FIXATION DE CE MODULE A UN HARNAIS DE SECURITE**
[72] SOLER SAEZ, NICOLAS, ES
[71] ISANIMAR SEGURIDAD, S.L., ES
[85] 2021-10-26
[86] 2020-04-30 (PCT/ES2020/070280)
[87] (WO2020/221950)
[30] ES (U201930684) 2019-04-30

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[51] **Int.Cl. F01D 5/18 (2006.01) B22C 9/10 (2006.01) B22C 9/24 (2006.01)**
[25] EN
[54] **TURBOMACHINE BLADE WITH IMPROVED COOLING**
[54] **AUBE DE TURBOMACHINE AVEC REFROIDISSEMENT AMELIORE**
[72] OSTINO, LEANDRE, FR
[72] AUZILLON, PIERRE GUILLAUME, FR
[72] SLUSARZ, MICHEL, FR
[72] ENEAU, PATRICE, FR
[72] DE ROCQUIGNY, THOMAS OLIVIER MICHEL PIERRE, FR
[72] CARIOU, ROMAIN PIERRE, FR
[72] TANG, BA-PHUC, FR
[72] ROLLINGER, ADRIEN BERNARD VINCENT, FR
[72] SIMON, VIANNEY, FR
[71] SAFRAN, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-10-25
[86] 2020-04-24 (PCT/EP2020/061502)
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[30] FR (FR1904817) 2019-05-09

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[13] A1
[51] **Int.Cl. A61K 31/505 (2006.01) A61P 17/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CHRONIC SPONTANEOUS URTICARIA USING A BRUTON'S TYROSINE KINASE INHIBITOR**
[54] **METHODES DE TRAITEMENT DE L'URTICAIRE SPONTANEE CHRONIQUE A L'AIDE D'UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] BHATTACHARYA, SOUVIK, US
[72] BIETH, BRUNO, CH
[72] CABANSKI, MACIEJ, CH
[72] CENNI, BRUNO, CH
[72] DE BUCK, STEFAN, CH
[72] KAUL, MARTIN, CH
[72] KINHIKAR, ARVIND, US
[72] RADIVOJEVIC, ANDRIJANA, US
[72] SEVERIN, THOMAS, CH
[72] STORIM, JULIAN, CH
[72] VITALITI GARAMI, ALESSANDRA, CH
[71] NOVARTIS AG, CH
[85] 2021-10-25
[86] 2020-05-20 (PCT/IB2020/054755)
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[30] US (62/851,996) 2019-05-23

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[13] A1
[51] **Int.Cl. B23C 5/12 (2006.01) B23C 5/20 (2006.01)**
[25] EN
[54] **MILLING TOOL AND WORKPIECE MACHINING METHOD**
[54] **OUTIL DE FRAISAGE ET PROCEDE D'USINAGE D'UNE PIECE**
[72] NAGATA, FUKUHITO, JP
[72] MIYAMOTO, RYOICHI, JP
[72] UENO, HIROSHI, JP
[71] MAKINO MILLING MACHINE CO., LTD., JP
[85] 2021-10-25
[86] 2020-04-22 (PCT/JP2020/017330)
[87] (WO2020/218333)
[30] JP (2019-086565) 2019-04-26

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[13] A1
[51] **Int.Cl. A47J 47/00 (2006.01)**
[25] EN
[54] **CUTTING BOARD**
[54] **PLANCHE A DECOUPER**
[72] HUGO, EDGAR, US
[71] HUGO, EDGAR, US
[85] 2021-06-08
[86] 2019-08-01 (PCT/US2019/044728)
[87] (WO2020/028705)
[30] US (16/053,735) 2018-08-02
[30] US (29/661,802) 2018-08-30

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[13] A1
[51] **Int.Cl. C12Q 1/48 (2006.01) G16B 20/00 (2019.01) C12N 9/12 (2006.01)**
[25] EN
[54] **KINASE SCREENING ASSAYS**
[54] **DOSAGES DE CRIBLAGE DE KINASE**
[72] HIGGINS, JONATHAN, GB
[72] WATSON, NIKOLAUS, GB
[71] UNIVERSITY OF NEWCASTLE UPON TYNE, GB
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[54] **HEAT TRAY SYSTEMS AND PORTABLE HEATING AND MONITORING TECHNOLOGIES**
[54] **SYSTEMES DE PLATEAU CHAUFFANT ET TECHNOLOGIES DE CHAUFFAGE ET DE SURVEILLANCE PORTABLES**
[72] YOUNG, DANIEL L., US
[71] FOREVER YOUNG INTERNATIONAL, INC., US
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[25] EN
[54] **METHODS FOR TREATING ANXIETY DISORDERS, HEADACHE DISORDERS, AND EATING DISORDERS WITH PSILOCYBIN**
[54] **PROCEDES DE TRAITEMENT DES TROUBLES DE L'ANXIETE, DES TROUBLES DE LA CEPHALEE ET DES TROUBLES DE L'ALIMENTATION AU MOYEN DE PSILOCYBINE**
[72] LONDESBROUGH, DEREK JOHN, GB
[72] BROWN, CHRISTOPHER, GB
[72] NORTHEN, JULIAN SCOTT, GB
[72] MOORE, GILLIAN, GB
[72] PATIL, HEMANT KASHINATH, GB
[72] NICHOLS, DAVID E., US
[72] CROAL, MEGAN, GB
[72] ERIKSSON, HANS AKE, GB
[72] GOLDSMITH, GEORGE, GB
[72] HICKEY, MOLLY TABITHA, GB
[72] HURLEY, SHAUN, GB
[72] MALIEVSKAIA, EKATERINA, GB
[72] MARWOOD, LINDSEY, GB
[72] MCCULLOCH, DRUMMOND E-WEN JOE, GB
[72] MEDHURST, LAURIE EMMA, GB
[72] POULSEN, NATHAN, GB
[72] SELIMBEYOGLU, ASLIHAN, GB
[72] SOULA, ANAIS, GB
[72] SHUXIANG, AMANDA TAN, GB
[72] VERAART, MANON CECILE ELISABETH, GB
[72] WHELAN, TOBIAS PATRICK, GB
[72] WILDE, LARS CHRISTIAN, GB
[72] WRIGHT, STEPHEN, GB
[71] COMPASS PATHFINDER LIMITED, GB
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[86] 2020-04-17 (PCT/IB2020/053687)
[87] (WO2020/212951)
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[30] US (62/835,472) 2019-04-17
[30] US (62/835,474) 2019-04-17
[30] US (62/835,476) 2019-04-17
[30] US (62/835,477) 2019-04-17
[30] US (62/835,478) 2019-04-17
[30] US (62/835,479) 2019-04-17
[30] US (62/835,480) 2019-04-17
[30] US (62/835,481) 2019-04-17
[30] US (62/835,482) 2019-04-17
[30] US (62/835,484) 2019-04-17
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[54] **CANNABINOID COMPOSITION AND PROCESSES OF MANUFACTURE**
[54] **COMPOSITION CANNABINOIDE ET PROCEDES DE FABRICATION**
[72] VIALPANDO, MONICA, US
[72] MILLER, DANFORTH, US
[71] VIALPANDO, LLC, US
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[54] **TREATMENT OF DEPRESSION AND OTHER VARIOUS DISORDERS WITH PSILOCYBIN**
[54] **TRAITEMENT DE LA DEPRESSION ET DE DIVERS AUTRES TROUBLES AU MOYEN DE PSILOCYBINE**
[72] LONDESBROUGH, DEREK JOHN, GB
[72] BROWN, CHRISTOPHER, GB
[72] NORTHEN, JULIAN SCOTT, GB
[72] MOORE, GILLIAN, GB
[72] PATIL, HEMANT KASHINATH, GB
[72] NICHOLS, DAVID E., US
[72] CROAL, MEGAN, GB
[72] ERIKSSON, HANS AKE, GB
[72] GOLDSMITH, GEORGE, GB
[72] HICKEY, MOLLY TABITHA, GB
[72] HURLEY, SHAUN, GB
[72] MALIEVSKAIA, EKATERINA, GB
[72] MARWOOD, LINDSEY, GB
[72] MCCULLOCH, DRUMMOND E-WEN JOE, GB
[72] MEDHURST, LAURIE EMMA, GB
[72] POULSEN, NATHAN, GB
[72] SELIMBEYOGLU, ASLIHAN, GB
[72] SOULA, ANAIS, GB
[72] SHUXIANG, AMANDA TAN, GB
[72] VERAART, MANON CECILE ELISABETH, GB
[72] WHELAN, TOBIAS PATRICK, GB
[72] WILDE, LARS CHRISTIAN, GB
[72] WRIGHT, STEPHEN, GB
[71] COMPASS PATHFINDER LIMITED, GB
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[30] US (62/835,450) 2019-04-17
[30] US (62/835,458) 2019-04-17
[30] US (62/835,460) 2019-04-17
[30] US (62/835,464) 2019-04-17
[30] US (62/835,465) 2019-04-17
[30] US (62/835,472) 2019-04-17
[30] US (62/835,474) 2019-04-17
[30] US (62/835,476) 2019-04-17
[30] US (62/835,477) 2019-04-17
[30] US (62/835,478) 2019-04-17
[30] US (62/835,479) 2019-04-17
[30] US (62/835,480) 2019-04-17
[30] US (62/835,481) 2019-04-17
[30] US (62/835,482) 2019-04-17
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[25] EN
[54] **SUBCUTANEOUS ANALYTE SENSOR APPLICATOR AND CONTINUOUS MONITORING SYSTEM**
[54] **APPLICATEUR DE CAPTEUR D'ANALYTE SOUS-CUTANE ET SYSTEME DE SURVEILLANCE CONTINUE**
[72] PETERSON, THOMAS H., US
[72] SCOTT, JONATHAN, US
[72] FLORINDI, ANTHONY, US
[72] KAEDING, STEN P., US
[72] DELLEMONACHE, MAURO, US
[71] SANVITA MEDICAL CORPORATION, US
[85] 2021-10-26
[86] 2019-05-14 (PCT/US2019/032114)
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[51] **Int.Cl. A61L 2/28 (2006.01) C12M 1/12 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FOR GENERATING A MOVING FRONT WITHIN A STERILIZATION MONITORING DEVICE AND USES THEREOF**
[54] **PROCEDE ET DISPOSITIF DE GENERATION D'UN FRONT MOBILE A L'INTERIEUR D'UN DISPOSITIF DE SURVEILLANCE DE STERILISATION ET LEURS UTILISATIONS**
[72] BOMMARITO, G. MARCO, US
[72] ANDERSON, SCOTT D., US
[72] CLARKE, RYAN W., US
[72] HOLT, PAUL N., US
[72] FOLTZ, WILLIAM E., US
[72] NIES, TIMOTHY J., US
[72] LANDGREBE, KEVIN D., US
[72] COTTON, JEFFREY D., US
[72] WOLDT, RYAN T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **CONTINUOUS EXTRUDED SOLIDS DISCHARGE**
[54] **EVACUATION CONTINUE DE SOLIDES EXTRUDES**
[72] KAPILA, RAJESH C., US
[72] HOFFMAN, BARRY, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2019-06-21 (PCT/US2019/038416)
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[51] **Int.Cl. B23C 5/00 (2006.01) B23C 5/12 (2006.01) B23C 9/00 (2006.01)**
[25] EN
[54] **T-SHAPED TOOL, AND METHOD FOR MANUFACTURING T-SHAPED TOOL**
[54] **OUTIL EN FORME DE T ET PROCEDE DE FABRICATION D'UN OUTIL EN FORME DE T**
[72] NAGATA, FUKUHITO, JP
[72] MIYAMOTO, RYOICHI, JP
[72] UENO, HIROSHI, JP
[71] MAKINO MILLING MACHINE CO., LTD., JP
[85] 2021-10-25
[86] 2020-04-24 (PCT/JP2020/017796)
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[54] **ZIPPER BRIDGE**
[54] **PONT DE FERMETURE A GLISSIERE**
[72] SIZEMORE, RICHARD BRIAN, US
[72] MCGUIRE, BOB, US
[72] ARTHERHOLT, DANNY L., US
[72] CLAXTON, MICKEY, US
[72] MULLINS, BLAKE, US
[72] BEEDY, CHARLES, US
[71] OIL STATES ENERGY SERVICES, L.L.C., US
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[86] 2019-12-03 (PCT/US2019/064283)
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[30] US (16/443,639) 2019-06-17

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[54] **TREATMENT FOR SOD1 ASSOCIATED DISEASE**
[54] **TRAITEMENT POUR UNE MALADIE ASSOCIEE AU SOD1**
[72] WILTON, STEPHEN DONALD, AU
[72] FLETCHER, SUSAN, AU
[72] FLYNN, LOREN, AU
[72] AKKARI, PATRICK ANTHONY, AU
[71] BLACK SWAN PHARMACEUTICALS, INC., US
[85] 2021-10-26
[86] 2020-05-01 (PCT/IB2020/054126)
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[51] **Int.Cl. A01N 25/26 (2006.01) A01N 37/40 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **A GREEN FORMULATION TO REDUCE VOLATILITY AND LEACHING OF PESTICIDES**
[54] **FORMULATION VERTE POUR REDUIRE LA VOLATILITE ET LA LIXIVIATION DE PESTICIDES**
[72] TOSCO, TIZIANA ANNA ELISABETTA, IT
[72] SERPELLA, LUCA, IT
[72] GRANETTO, MONICA, IT
[72] BIANCO, CARLO, IT
[72] VIDOTTO, FRANCESCO, IT
[72] FOGLIATTO, SILVIA, IT
[71] POLITECNICO DI TORINO, IT
[71] UNIVERSITA' DEGLI STUDI DI TORINO, IT
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[86] 2020-05-11 (PCT/IB2020/054421)
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[25] EN
[54] **TECHNIQUES FOR DYNAMIC CONTROL OF A MAGNETIC RESONANCE IMAGING SYSTEM**
[54] **TECHNIQUES POUR LA COMMANDE DYNAMIQUE D'UN SYSTEME D'IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] SACOLICK, LAURA, US
[72] LOWTHERT, JONATHAN, US
[72] JORDAN, JEREMY CHRISTOPHER, US
[72] DYVORNE, HADRIEN A., US
[71] HYPERFINE, INC., US
[85] 2021-10-26
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[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/5375 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW CRYSTALLINE FORMS OF N-(3-(2-(2-HYDROXYETHOXY)-6-MORPHOLINOPYRIDIN-4-YL)-4-METHVLPHENYL)-2 (TRIFLUOROMETHYL)ISONICOTINAMIDE AS RAF INHIBITORS FOR THE TREATMENT OF CANCER**
[54] **NOUVELLES FORMES CRISTALLINES DE N-(3-(2-(2-HYDROXYETHOXY)-6-MORPHOLINOPYRIDIN-4-YL)-4-METHYLPHENYL)-2 (TRIFLUOROMETHYL)ISONICOTINAMIDE SERVANT D'INHIBITEURS DE RAF POUR LE TRAITE MENT DU CANCER**
[72] HARLACHER, CORNELIUS STEPHEN, CH
[72] LI, ZAIXING, CN
[72] WAYKOLE, LILADHAR MURLIDHAR, US
[71] NOVARTIS AG, CH
[85] 2021-10-26
[86] 2020-05-12 (PCT/IB2020/054491)
[87] (WO2020/230028)
[30] CN (PCT/CN2019/086595) 2019-05-13

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[25] EN
[54] **MINI SOFTGEL NAPROXEN COMPOSITION**
[54] **COMPOSITION DE NAPROXENE EN MINI-CAPSULE MOLLE**
[72] SHELLEY, RICKEY STEVE, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2021-10-26
[86] 2020-04-22 (PCT/US2020/029234)
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[30] US (62/839,198) 2019-04-26

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[51] **Int.Cl. C09D 7/48 (2018.01) B82Y 30/00 (2011.01) C08K 3/34 (2006.01) C08K 5/00 (2006.01) C08K 9/10 (2006.01)**
[25] EN
[54] **NANOTUBE-ENCAPSULATED UV STABILIZERS**
[54] **STABILISATEURS AUX UV ENCAPSULES DANS DES NANOTUBES**
[72] NEJAD, MOJGAN, US
[72] NIKAFSHAR, SAEID, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2021-10-26
[86] 2020-04-23 (PCT/US2020/029432)
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[51] **Int.Cl. A61K 35/18 (2015.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01) C12N 9/88 (2006.01)**
[25] EN
[54] **BUFFERED COMPOSITIONS INCLUDING ENUCLEATED ERYTHROID CELLS**
[54] **COMPOSITIONS TAMPONNEES COMPRENANT DES CELLULES ERYTHROIDES ENUCLEEES**
[72] WONG, HO KI KEITH, US
[72] LI, JIE, US
[71] RUBIUS THERAPEUTICS, INC., US
[85] 2021-10-26
[86] 2020-04-24 (PCT/US2020/029858)
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[30] US (62/839,506) 2019-04-26

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[25] EN
[54] **CRYSTAL MALT AND METHODS FOR FORMING CRYSTAL MALT**
[54] **MALT CRISTALLIN ET PROCEDES DE FORMATION DE MALT CRISTALLIN**
[72] LI, YIN, US
[71] MALTEUROP NORTH AMERICA, INC., US
[85] 2021-10-26
[86] 2020-04-28 (PCT/US2020/030311)
[87] (WO2020/223260)
[30] US (62/841,025) 2019-04-30
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[30] US (62/992,397) 2020-03-20
[30] US (16/859,259) 2020-04-27

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[51] **Int.Cl. A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07C 1/00 (2006.01) C07D 209/08 (2006.01) C07D 217/16 (2006.01) C07D 265/36 (2006.01) C07D 307/85 (2006.01) C07D 311/24 (2006.01) C07D 311/68 (2006.01) C07D 317/68 (2006.01) C07D 319/20 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/06 (2006.01)**
[25] EN
[54] **SUBSTITUTED CYCLOLAKYLS AS MODULATORS OF THE INTEGRATED STRESS PATHWAY**
[54] **CYCLOLALKYLES SUBSTITUES EN TANT QUE MODULATEURS DE LA VOIE DE STRESS INTEGREE**
[72] MARTIN, KATHLEEN ANN, US
[72] SIDRAUSKI, CARMELA, US
[72] FROST, JENNIFER M., US
[72] TONG, YUNSONG, US
[72] XU, XIANGDONG, US
[72] CHUNG, SEUNGWON, US
[72] ZHANG, QINGWEI, US
[72] SHI, LEI, US
[72] MURAUSKI, KATHLEEN J., US
[72] DART, MICHAEL J., US
[72] RANDOLPH, JOHN T., US
[72] BENELKEBIR, HANAE, GB
[71] CALICO LIFE SCIENCES LLC, US
[71] ABBVIE INC., US
[85] 2021-10-26
[86] 2020-04-30 (PCT/US2020/030817)
[87] (WO2020/223536)
[30] US (62/840,945) 2019-04-30

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[25] EN
[54] **FILTER MEDIA COMPRISING POLYAMIDE NANOFIBER LAYER**
[54] **MILIEU FILTRANT COMPRENANT UNE COUCHE DE NANOFIBRES DE POLYAMIDE**
[72] YUNG, WAI-SHING, US
[72] OSBORN, SCOTT E., US
[72] MENNER, JOSEPH L., US
[72] ORTEGA, ALBERT E., US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2021-10-26
[86] 2020-05-01 (PCT/US2020/031038)
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[30] US (62/841,485) 2019-05-01

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[25] EN
[54] **ODH CATALYST FORMULATIONS**
[54] **FORMULATIONS DE CATALYSEUR ODH**
[72] GAO, XIAOLIANG, CA
[72] SIMANZHENKOV, VASILY, CA
[72] KUSTOV, LEONID, RU
[72] KUCHEROV, ALEKSEY, RU
[72] FINASHINA, ELENA, RU
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2021-10-26
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[30] US (62/875,742) 2019-07-18

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[51] **Int.Cl. B21D 3/02 (2006.01) G01B 5/25 (2006.01) G01B 5/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING THE CONFIGURATION OF ELONGATED ELEMENTS**
[54] **PROCEDE ET APPAREIL DE DETECTION DE LA CONFIGURATION D'ELEMENTS ALLONGES**
[72] RUPOLI, SIMONE, IT
[71] SCHNELL S.P.A., IT
[85] 2021-10-26
[86] 2020-05-14 (PCT/IT2020/050120)
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[30] IT (102019000006816) 2019-05-14

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[51] **Int.Cl. H02J 7/00 (2006.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **USED BATTERY UNIT DEPOSITORY**
[54] **DEPOT D'UNITES DE BATTERIE USAGEES**
[72] TANNO, SATOSHI, JP
[72] SHOJI, HIDEKI, JP
[71] TOYO SYSTEM CO., LTD., JP
[85] 2021-10-26
[86] 2021-02-22 (PCT/JP2021/006636)
[87] (WO2021/205766)
[30] JP (2020-071274) 2020-04-10

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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/28 (2015.01) A61P 21/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING MYOSITIS, COMPRISING ISOLATED MITOCHONDRIA AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A PREVENIR OU TRAITER LA MYOSITE, COMPRENANT DES MITOCHONDRIES ISOLEES EN TANT QUE PRINCIPE ACTIF**
[72] HAN, KYUBOEM, KR
[72] KIM, CHUN-HYUNG, KR
[72] YU, SHIN-HYE, KR
[72] LEE, SEO-EUN, KR
[72] LIM, SANG-MIN, KR
[72] JUNG, HAHNSUN, KR
[72] NA, KWANGMIN, KR
[72] HAN, YOON MI, KR
[72] SON, JUN YOUNG, KR
[72] LEE, EUN YOUNG, KR
[72] KIM, JEONG YEON, KR
[72] SONG, YEONG WOOK, KR
[72] PAENG, JIN CHUL, KR
[72] LEE, YUN SANG, KR
[72] HWANG, DO WON, KR
[71] PAEAN BIOTECHNOLOGY INC., KR
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[72] NIZAMOV, EMIL ABDULKHAEVICH, RU
[71] INDOOR ENVIRONMENT EXPERT AG, CH
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[54] **A METHOD OF PERFORMING DIFFUSION WEIGHTED MAGNETIC RESONANCE MEASUREMENTS**
[54] **PROCEDE DE REALISATION DE MESURES DE RESONANCE MAGNETIQUE PONDEREES EN DIFFUSION**
[72] TEH, IRVIN, GB
[72] LASIC, SAMO, SE
[72] NILSSON, MARKUS, SE
[72] SZCZEPANKIEWICZ, FILIP, SE
[71] CR DEVELOPMENT AB, SE
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[54] **SYSTEMS AND METHODS FOR ACOUSTICALLY ASSESSING ELECTROLYTE WETTING AND DISTRIBUTION IN A SECONDARY BATTERY**
[54] **SYSTEMES ET PROCEDES D'EVALUATION ACOUSTIQUE DU MOUILLAGE ET DE LA DISTRIBUTION D'ELECTROLYTE DANS UNE BATTERIE SECONDAIRE**
[72] DOU, SHAN, US
[72] HSIEH, ANDREW G., US
[72] BISWAS, SHAURJO, US
[72] VAN TASSELL, BARRY J., US
[72] LEE, ELIZABETH M., US
[72] YU, DENNIS, US
[72] YU, JASON Y., US
[71] FEASIBLE, INC., US
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[54] **SYSTEME DE CONTENEURS AUTO-OBTURANTS A REMPLISSAGE AUTOMATIQUE**
[72] GLENN, STEVEN E., US
[71] GLENN, STEVEN E., US
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[54] **COUMARIN-MODIFIED ANDROGENS FOR THE TREATMENT OF PROSTATE CANCER**
[54] **ANDROGENES A COUMARINE MODIFIEE POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] MOHLER, JAMES, L., US
[72] FIANDALO, MICHAEL, V., US
[72] WATT, DAVID, US
[72] SVIRIPA, VITALIY, US
[71] HEALTH RESEARCH, INC., US
[71] UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, US
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[30] US (62/844,073) 2019-05-06
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[54] **METHOD FOR THE TREATMENT OF PERIODONTAL DISEASE USING CHARACTERIZED MESENCHYMAL STEM CELL GROWTH FACTORS AND EXOSOMES**
[54] **METHODE POUR LE TRAITEMENT D'UNE MALADIE PARODONTALE A L'AIDE DE FACTEURS DE CROISSANCE DE CELLULES SOUCHES MESENCHYMATEUSES CARACTERISEES ET D'EXOSOMES**
[72] PETTINE, KENNETH ALLEN, US
[71] DIRECT BIOLOGICS LLC, US
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[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR DETERMINING A CHARACTERISTIC OF A SUSCEPTOR**
[54] **SYSTEME, PROCEDE ET PRODUIT-PROGRAMME INFORMATIQUE PERMETTANT DE DETERMINER UNE CARACTERISTIQUE D'UN SUSCEPTEUR**
[72] BLELOCH, ANDREW L., US
[72] NYSEN, PETER, US
[72] BHARDWAJ, NEERAJ S., US
[72] GREENFIELD, MATTHEW, US
[71] LOTO LABS, INC., US
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[54] **SYSTEMES ET PROCEDES DE TRAITEMENT ET/OU DE SEQUESTRATION D'EMISSION DE BATIMENT**
[72] FUGLEVAND, WILLIAM A., US
[72] VOLBERDING, ALFRED T., US
[71] NEXTWATTS, INC., US
[85] 2021-10-26
[86] 2020-04-29 (PCT/US2020/030533)
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[54] **SCHEMAS POSOLOGIQUES ET COMPOSITIONS COMPRENANT DES ANTICORPS ANTI-VRS**
[72] KHAN, ANIS AHMED, US
[72] PIERRE, VADRYN, US
[71] MEDIMMUNE LIMITED, GB
[71] SANOFI PASTEUR INC., US
[85] 2021-10-26
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[54] **APPARATUS FOR SIMULTANEOUSLY ADMINISTERING OXYGEN, AND METERED DOSE INHALER MEDICATION BY INHALATION**
[54] **APPAREIL D'ADMINISTRATION SIMULTANEE D'OXYGENE ET DE MEDICAMENT D'INHALATEUR-DOSEUR PAR INHALATION**
[72] GOLDMAN, PETER, US
[72] NEWHOUSE, MICHAEL, CA
[71] GOLDMAN, PETER, US
[71] NEWHOUSE, MICHAEL, CA
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[54] **SPRAY DEVICE AND METHODS OF ASSEMBLY AND USE**
[54] **DISPOSITIF DE PULVERISATION ET PROCEDES D'ASSEMBLAGE ET D'UTILISATION**
[72] BARRON, BRAD, US
[72] HARVEY-COOK, ADAM MOYO, GB
[72] JAMES, ALED MEREDYDD, GB
[72] THOMPSON LOUTH, THOMAS HENRY, GB
[72] EDWARDS, MATTHEW JAMES, GB
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[54] **METHODS AND COMPOSITIONS FOR REVERSING PLATELET CLUMPING**
[54] **PROCEDES ET COMPOSITIONS POUR INVERSER LES DEPOTS DE PLAQUETTES**
[72] LEE, FLORENCE Y., US
[72] HIGGINS, RENEE L., US
[72] HAWKINS, JEFFREY A., US
[72] MARRINUCCI, DENA C., US
[71] TRUVIAN SCIENCES, INC., US
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[54] **PROCESSING CARTRIDGE FOR PORTABLE DRUG TESTING SYSTEM**
[54] **CARTOUCHE DE TRAITEMENT POUR SYSTEME DE TEST DE MEDICAMENT PORTABLE**
[72] FARQUAR, GEORGE, US
[72] TOFANELLI, MARCUS, US
[71] BUZZKILL LABS, INC., US
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[54] **COMPOSITION HERBICIDE**
[72] SUGANUMA, TAKETO, JP
[72] ONISHI, ATSUSHI, JP
[71] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2021-10-26
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[72] SUGANUMA, TAKETO, JP
[72] FUKUDA, SHOTA, JP
[71] ISHIHARA SANGYO KAISHA, LTD., JP
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[54] **RECOMBINANT AD35 VECTORS AND RELATED GENE THERAPY IMPROVEMENTS**
[54] **VECTEURS AD35 RECOMBINANTS ET AMELIORATIONS DE THERAPIE GENIQUE ASSOCIEES**
[72] KIEM, HANS-PETER, US
[72] LIEBER, ANDRE, US
[72] LI, CHANG, US
[72] WANG, HONGJIE, US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[71] UNIVERSITY OF WASHINGTON, US
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[86] 2020-07-02 (PCT/US2020/040756)
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[54] **PORTABLE NMR INSTRUMENTATION AND METHODS FOR ANALYSIS OF BODY FLUIDS**
[54] **INSTRUMENTATION DE RESONANCE MAGNETIQUE NUCLEAIRE PORTABLE ET PROCEDES D'ANALYSE DE FLUIDES CORPORELS**
[72] AUGUSTINE, MATTHEW P., US
[72] MADSEN, JOHN, US
[72] PHAN, JOHNNY, US
[72] POURTABIB, JOSEPH, US
[72] FRICKE, SOPHIA NOELLE, US
[72] CHIZARI, SHAHAB, US
[72] TRAN, NAM K., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **LIQUID SENSOR ASSEMBLIES, APPARATUS, AND METHODS**
[54] **ENSEMBLES CAPTEURS POUR LIQUIDES, APPAREIL ET PROCEDES**
[72] SAMPRONI, JENNIFER, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-10-27
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[54] **SYSTEME DE SURVEILLANCE D'OUTIL DE MISE EN CONTACT AVEC LE SOL**
[72] PLOUZEK, JOHN M., US
[72] VLAMINCK, MITCHELL C., US
[72] FINCH, NOLAN S., US
[71] CATERPILLAR INC., US
[85] 2021-10-27
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[54] **COLD ROOM COMBINATION VENT AND LIGHT**
[54] **EVENT ET LUMIERE COMBINES POUR SALLE FROIDE**
[72] MITCHELL, BRETT A., US
[72] HILLER, RAYMOND J., US
[71] KASON INDUSTRIES, INC., US
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[54] **TOPICAL ANALGESIC SPRAY COMPOSITIONS**
[54] **COMPOSITIONS DE PULVERISATION ANALGESIQUES TOPIQUES**
[72] DAS, DEBANJAN, US
[72] BRADLEY, REGINALD, US
[72] DANN, ERIC, US
[72] DANN, THOMAS, US
[72] HAYNES, COURTNEY C., US
[72] MEISEL, GERARD, US
[72] NELSON, RENEE, US
[72] VAITHIANATHAN, SOUNDARYA, US
[72] VIZZOTTI, EMANUEL, US
[72] WALTER, REINHARD, DE
[71] BAYER HEALTHCARE LLC, US
[85] 2021-10-27
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[54] **TOPICAL ANALGESIC GEL COMPOSITIONS**
[54] **COMPOSITIONS DE GEL ANALGESIQUE TOPIQUE**
[72] DAS, DEBANJAN, US
[72] BRADLEY, REGINALD, US
[72] DANN, THOMAS, US
[72] HAYNES, COURTNEY C., US
[72] MEISEL, GERARD, US
[72] NELSON, RENEE, US
[72] VAITHIANATHAN, SOUNDARYA, US
[72] VIZZOTTI, EMANUEL, US
[72] WALTER, REINHARD, DE
[71] BAYER HEALTHCARE LLC, US
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[54] **TOPICAL ANALGESIC COMPOSITIONS**
[54] **COMPOSITIONS ANALGESIQUES TOPIQUES**
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[72] BRADLEY, REGINALD, US
[72] DANN, THOMAS, US
[72] HAYNES, COURTNEY C., US
[72] MEISEL, GERARD, US
[72] NELSON, RENEE, US
[72] VAITHIANATHAN, SOUNDARYA, US
[72] VIZZOTTI, EMANUEL, US
[72] WALTER, REINHARD, DE
[71] BAYER HEALTHCARE LLC, US
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[54] **NOVEL PROCESS FOR FILTERING 2-ACRYLAMIDO-2-METHYLPROPANE SULFONIC ACID**
[54] **NOUVEAU PROCEDE DE FILTRATION DE L'ACIDE 2-ACRYLAMIDO-2-METHYLPROPANE SULFONIQUE**
[72] FAVERO, CEDRICK, FR
[72] DOUDIN, RAPHAEL, FR
[72] KIEFFER, JOHANN, FR
[72] LEGRAS, BENOIT, FR
[71] SPCM SA, FR
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[54] **COMPOSES CIBLANT DES RECEPTEURS HORMONAUX NUCLEAIRES ANTICANCEREUX**
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[72] PHAM, SON MINH, US
[72] CHAKRAVARTY, SARVAJIT, US
[72] CHEN, JIYUN, US
[72] KANKANALA, JAYAKANTH, US
[72] PETTIGREW, JEREMY D., US
[72] BARDE, ANUP, US
[72] NAYAK, ANJAN KUMAR, US
[71] NUVATION BIO INC., US
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[86] 2020-05-13 (PCT/US2020/032672)
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[30] US (62/847,854) 2019-05-14
[30] US (62/935,069) 2019-11-13
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[54] **SUPPORT POUVANT ETRE FIXE A UN MONTANT**
[72] NEUHOFER, FRANZ, AT
[71] NEUHOFER, FRANZ, AT
[85] 2021-10-27
[86] 2020-05-12 (PCT/AT2020/060196)
[87] (WO2020/232493)
[30] AT (A50475/2019) 2019-05-23

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[25] EN
[54] **A COMPUTER-ENABLED METHOD, SYSTEM AND COMPUTER PROGRAM FOR DYNAMICALLY ALTERING CONSTRAINTS UTILISED IN THE MANAGEMENT OF A SPACE, FURNITURE, EQUIPMENT OR SERVICE**
[54] **PROCEDE, SYSTEME ET PROGRAMME INFORMATIQUE ACTIVES PAR ORDINATEUR POUR MODIFIER DE MANIERE DYNAMIQUE DES CONTRAINTES UTILISEES POUR LA GESTION D'ESPACE, DE MEUBLES, D'EQUIPEMENT O U DE SERVICE**
[72] PETROULAS, PETER, AU
[71] GRAND PERFORMANCE ONLINE PTY LTD, AU
[85] 2021-10-27
[86] 2020-04-28 (PCT/AU2020/050412)
[87] (WO2020/220072)
[30] AU (2019901433) 2019-04-29
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[54] **KELLY BAR ARRANGEMENT FOR A DRILLING APPARATUS AND METHOD FOR WORKING THE GROUND**
[54] **ARRANGEMENT DE TIGES D'ENTRAINEMENT POUR UN DISPOSITIF DE FORAGE ET PROCEDE DE TRAVAIL DU SOL**
[72] BAUER, SEBASTIAN, DE
[71] BAUER MASCHINEN GMBH, DE
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[51] **Int.Cl. G01S 11/00 (2006.01)**
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[54] **INITIALIZING PROBABILITY VECTORS FOR DETERMINING A LOCATION OF MOTION DETECTED FROM WIRELESS SIGNALS**
[54] **VECTEURS DE PROBABILITE D'INITIALISATION POUR LA DETERMINATION D'UN EMPLACEMENT DE MOUVEMENT DETECTE A PARTIR DE SIGNAUX SANS FIL**
[72] OMER, MOHAMMAD, CA
[72] DEVISON, STEPHEN ARNOLD, CA
[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2021-10-27
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[54] **DETERMINING A LOCATION OF MOTION DETECTED FROM WIRELESS SIGNALS BASED ON WIRELESS LINK COUNTING**
[54] **DETERMINATION D'UN EMPLACEMENT DE MOUVEMENT DETECTE A PARTIR DE SIGNAUX SANS FIL EN FONCTION D'UN COMPTAGE DE LIAISONS SANS FIL**
[72] OMER, MOHAMMAD, CA
[72] DEVISON, STEPHEN ARNOLD, CA
[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
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[25] EN
[54] **METHODS OF REDUCING FIBRE CEMENT WASTE AND FIBRE CEMENT ARTICLES PRODUCED THEREFROM**
[54] **PROCEDES DE REDUCTION DE DECHETS DE FIBROCIMENT ET ARTICLES EN FIBROCIMENT PRODUITS A PARTIR DE CEUX-CI**
[72] BRUNTON, GREG, AU
[72] PAGONES, PETER, AU
[72] RICHARDS, SAGARIKA, AU
[71] JAMES HARDIE TECHNOLOGY LIMITED, IE
[85] 2021-10-27
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[51] **Int.Cl. C07K 14/415 (2006.01) C12N 9/12 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MODIFIED PLANTS COMPRISING A POLYNUCLEOTIDE COMPRISING A NON-COGNATE PROMOTER OPERABLY LINKED TO A CODING SEQUENCE THAT ENCODES A TRANSCRIPTION FACTOR**
[54] **PLANTES MODIFIEES COMPRENANT UN POLYNUCLEOTIDE A PROMOTEUR NON APPARENTE LIE DE MANIERE FONCTIONNELLE A UNE SEQUENCE DE CODAGE CODANT POUR UN FACTEUR DE TRANSCRIPTION**
[72] AMBAVARAM, MADANA M.R., US
[72] BOLLINA, VENKATESH, US
[72] SKRALY, FRANK ANTHONY, US
[72] MALIK, MEGHNA, US
[72] SNELL, KRISTI D., US
[71] YIELD10 BIOSCIENCE, INC., US
[85] 2021-10-26
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[51] **Int.Cl. G08B 29/18 (2006.01) H04W 4/30 (2018.01) G08B 13/189 (2006.01)**
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[54] **MODIFYING SENSITIVITY SETTINGS IN A MOTION DETECTION SYSTEM**
[54] **MODIFICATION DE PARAMETRES DE SENSIBILITE DANS UN SYSTEME DE DETECTION DE MOUVEMENT**
[72] MANKU, TAJINDER, CA
[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2021-10-27
[86] 2020-01-21 (PCT/CA2020/050064)
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[54] **CLADDING ELEMENT**
[54] **ELEMENT DE BARDAGE**
[72] MACPHERSON, THOMAS EDWARD, US
[71] JAMES HARDIE TECHNOLOGY LIMITED, IE
[85] 2021-10-27
[86] 2020-06-29 (PCT/EP2020/068313)
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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 64/00 (2009.01) G01S 11/00 (2006.01)**
[25] EN
[54] **CONTROLLING DEVICE PARTICIPATION IN WIRELESS SENSING SYSTEMS**
[54] **COMMANDE DE PARTICIPATION DE DISPOSITIF DANS DES SYSTEMES DE DETECTION SANS FIL**
[72] BEG, CHRISTOPHER, CA
[72] MANKU, TAJINDER, CA
[72] OMER, MOHAMMAD, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2021-10-27
[86] 2020-04-29 (PCT/CA2020/050562)
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[25] EN
[54] **METHOD FOR PLANNING TISSUE ABLATION BASED ON DEEP LEARNING**
[54] **METHODE DE PLANIFICATION D'UNE ABLATION DE TISSUS BASEE SUR L'APPRENTISSAGE PROFOND**
[72] OUBEL, ESTANISLAO, FR
[72] BLONDEL, LUCIEN, FR
[72] BADANO, FERNAND, FR
[72] NAHUM, BERTIN, FR
[71] QUANTUM SURGICAL, FR
[85] 2021-10-27
[86] 2020-06-25 (PCT/EP2020/067777)
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[51] **Int.Cl. H04W 40/24 (2009.01) H04W 36/32 (2009.01) H04W 64/00 (2009.01) H04W 4/029 (2018.01)**
[25] EN
[54] **CONTROLLING WIRELESS CONNECTIONS IN WIRELESS MOTION SENSING SYSTEMS**
[54] **COMMANDE DE CONNEXIONS SANS FIL DANS DES SYSTEMES DE DETECTION SANS FIL**
[72] BEG, CHRISTOPHER, CA
[72] MANKU, TAJINDER, CA
[72] OMER, MOHAMMAD, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2021-10-27
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[54] **FUNGICIDAL ARYL AMIDINES**
[54] **ARYLAMIDINES FONGICIDES**
[72] BUYSSE, ANN M., US
[72] NUGENT, BENJAMIN M., US
[72] GUSTAFSON, GARY D., US
[72] MEYER, STACY T., US
[72] LOY, BRIAN A., US
[72] KISTER, JEREMY, US
[72] GRUBER, JOSEPH M., US
[72] JONES, DAVID M., US
[72] AVILA-ADAME, CRUZ, US
[72] WANG, WEIWEI, US
[72] BABIJ, NICHOLAS, US
[72] PETKUS, JEFF, US
[71] CORTEVA AGRISCIENCE LLC, US
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[51] **Int.Cl. G01S 11/00 (2006.01) H04W 28/22 (2009.01) H04W 4/38 (2018.01)**
[25] EN
[54] **CONTROLLING MEASUREMENT RATES IN WIRELESS SENSING SYSTEMS**
[54] **CONTROLE DE TAUX DE MESURE DANS DES SYSTEMES DE DETECTION SANS FIL**
[72] BEG, CHRISTOPHER, CA
[72] MANKU, TAJINDER, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2021-10-27
[86] 2020-04-29 (PCT/CA2020/050565)
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[54] **MEMS SENSOR FOR SENSING DEFORMATION BY BREAKING CONTACT BETWEEN TWO ELECTRODES**
[54] **CAPTEUR MEMS DE DEFORMATION PAR RUPTURE DE CONTACT ENTRE DEUX ELECTRODES**
[72] SWOROWSKI, MARC, FR
[72] HAYE, CHARLES, FR
[71] SILMACH, FR
[85] 2021-10-27
[86] 2020-05-07 (PCT/EP2020/062733)
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[51] **Int.Cl. A22B 7/00 (2006.01) B65G 47/52 (2006.01)**
[25] EN
[54] **OVERHANG RAIL TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT PAR RAIL EN PORTE-A-FAUX**
[72] MEERDINK, JAN JOHANNES, NL
[72] VAN DER STEEN, FRANCISCUS THEODORUS HENRICUS JOHANNES, NL
[72] EBERGEN, ADRIAAN, NL
[72] KRANENBARG, RONALD, NL
[71] MAREL MEAT B.V., NL
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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR GENERATING DOMINANT ALLELES USING GENOME EDITING**
[54] **PROCEDES ET COMPOSITIONS POUR GENERER DES ALLELES DOMINANTS A L'AIDE D'EDITION DE GENOME**
[72] CARGILL, EDWARD JAMES, US
[72] EUDY, DOUGLAS MICHAEL, US
[72] KOURANOV, ANDREI Y., US
[72] LAWRENCE, RICHARD JOSEPH, US
[72] SLEWINSKI, THOMAS L., US
[72] SHULTZ, RANDY, US
[72] TO, POKCHUN JENNIFER, US
[72] YANG, SAMUEL SUKHWAN, US
[72] ZHANG, YUANJI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2021-10-26
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[30] US (62/886,726) 2019-08-14
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[51] **Int.Cl. H04N 5/343 (2011.01) H04N 5/378 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTENDING IMAGE DYNAMIC RANGE USING PER-PIXEL CODING OF PIXEL PARAMETERS**
[54] **PROCEDE ET SYSTEME POUR ETENDRE UNE PLAGE DYNAMIQUE D'IMAGE A L'AIDE D'UN CODAGE PAR PIXEL DE PARAMETRES DE PIXEL**
[72] GENOV, ROMAN, CA
[72] KUTULAKOS, KIRIAKOS, CA
[72] SARHANGNEJAD, NAVID, CA
[72] GULVE, RAHUL, CA
[72] KE, HUI, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[51] **Int.Cl. A22B 5/00 (2006.01) A22B 5/20 (2006.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR PROCESSING A HALF PIG CARCASS PART HANGING FROM A CARRIER**
[54] **PROCEDE ET APPAREIL POUR TRAITER UNE PARTIE DE DEMI-CARCASSE DE PORC SUSPENDUE A UN SUPPORT**
[72] MEERDINK, JAN JOHANNES, NL
[72] VAN DER STEEN, FRANCISCUS THEODORUS HENRICUS JOHANNES, NL
[72] EBERGEN, ADRIAAN, NL
[72] KRANENBARG, RONALD, NL
[71] MAREL MEAT B.V., NL
[85] 2021-10-27
[86] 2020-05-01 (PCT/EP2020/062202)
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[51] **Int.Cl. C02F 1/469 (2006.01) B01D 61/42 (2006.01) B01D 61/58 (2006.01) C01D 3/14 (2006.01) C01D 5/16 (2006.01) C02F 9/06 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING WATER AND CHEMICALS FROM PLANTS FOR TREATING EFFLUENTS FROM PULP AND PAPER FACTORIES**
[54] **PROCEDE DE RECUPERATION D'EAU ET DE PRODUITS CHIMIQUES A PARTIR D'INSTALLATIONS DE TRAITEMENT D'EFFLUENTS D'USINES DE PATE ET PAPIER**
[72] GONZALEZ VOGEL, ALVARO MAURICIO, CL
[72] QUEZADA REYES, RAFAEL IGNACIO, CL
[71] INVESTIGACIONES FORESTALES BIOFOREST S.A., CL
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[51] **Int.Cl. H04N 21/258 (2011.01) H04N 21/234 (2011.01) H04N 21/2343 (2011.01) H04N 21/44 (2011.01) H04N 21/4728 (2011.01) G11B 27/02 (2006.01) H04N 1/387 (2006.01) H04N 5/45 (2011.01)**
[25] EN
[54] **AUTOMATED VIDEO CROPPING USING RELATIVE IMPORTANCE OF IDENTIFIED OBJECTS**
[54] **RECADRAGE VIDEO AUTOMATISE UTILISANT L'IMPORTANCE RELATIVE D'OBJETS IDENTIFIES**
[72] KANSARA, APURVAKUMAR DILIPKUMAR, US
[72] HOLSAPPLE, SANFORD, US
[72] WESTADT, ARICA, US
[72] BISLA, KUNAL, US
[71] NETFLIX, INC., US
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[86] 2020-06-17 (PCT/US2020/038174)
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DOWNLINK CONTROL SIGNALING**
[54] **SYSTEME ET PROCEDE POUR UNE SIGNALISATION DE COMMANDE DE LIAISON DESCENDANTE**
[72] GUO, QIUJIN, CN
[72] MA, XIAOYING, CN
[72] CHEN, MENGZHU, CN
[72] XU, JUN, CN
[71] ZTE CORPORATION, CN
[85] 2021-10-27
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[51] **Int.Cl. C11D 17/06 (2006.01) C11D 3/00 (2006.01) C11D 3/30 (2006.01) C11D 3/37 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **PARTICLES FOR THROUGH THE WASH LAUNDRY SOFTENING**
[54] **PARTICULES POUR L'ADOUCISSEMENT DE LINGE DE LAVAGE**
[72] PANANDIKER, RAJAN KESHAV, US
[72] MENKHAUS, JULIE ANN, US
[72] JOHNSON, LENAE VIRGINIA, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **SECURE WEB APPLICATION DELIVERY PLATFORM**
[54] **PLATE-FORME DE DELIVRANCE D'APPLICATIONS WEB SECURISEES**
[72] ZENG, ZHEN, CN
[72] WU, HONGFEI, CN
[71] CITRIX SYSTEMS, INC., CN
[85] 2021-10-27
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[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/10 (2012.01) G06Q 20/12 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06Q 20/42 (2012.01)**
[25] EN
[54] **PAYMENT PROCESSING**
[54] **TRAITEMENT DE PAIEMENTS**
[72] CALDWELL, JOHN RYAN, US
[71] MX TECHNOLOGIES, INC., US
[85] 2021-10-26
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[51] **Int.Cl. A22B 5/00 (2006.01) A22B 5/20 (2006.01)**
[25] EN
[54] **CUTTING FORE END FROM HANGING HALF PIG CARCASS**
[54] **DECOUPE DE L'EXTREMITE AVANT D'UNE DEMI-CARCASSE DE PORC SUSPENDUE**
[72] MEERDINK, JAN JOHANNES, NL
[72] VAN DER STEEN, FRANCISCUS THEODORUS HENRICUS JOHANNES, NL
[72] EBERGEN, ADRIAAN, NL
[72] KRANENBARG, RONALD, NL
[71] MAREL MEAT B.V., NL
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[86] 2020-05-01 (PCT/EP2020/062203)
[87] (WO2020/225154)
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[51] **Int.Cl. H04W 64/00 (2009.01) G01S 19/00 (2010.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND DEVICE, NODE, AND SERVER**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS, N□UD, ET SERVEUR**
[72] BI, CHENG, CN
[72] CHEN, SHIJUN, CN
[72] JIANG, CHUANGXIN, CN
[71] ZTE CORPORATION, CN
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[86] 2020-04-09 (PCT/CN2020/083861)
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[25] EN
[54] **METHOD FOR SIGNALING PICTURE HEADER IN CODED VIDEO STREAM**
[54] **PROCEDE DE SIGNALISATION D'UN EN-TETE D'IMAGE DANS UN FLUX VIDEO CODE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-26
[86] 2021-04-01 (PCT/US2021/025309)
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[30] US (63/005,640) 2020-04-06
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[54] **NLRP3 INFLAMMASOME INHIBITORS**
[54] **INHIBITEURS D'INFLAMMASOME NLRP3**
[72] GOMMERMANN, NINA, CH
[72] FARADY, CHRISTOPHER, CH
[72] JANSER, PHILIPP, CH
[72] MACKAY, ANGELA, CH
[72] MATTES, HENRI, CH
[72] SMITH, NICHOLA, US
[72] FOOKS SOLOVAY, CATHERINE, US
[72] STIEFL, NIKOLAUS JOHANNES, CH
[72] VANGREVELINGHE, ERIC, CH
[72] VELCICKY, JURAJ, CH
[72] VON MATT, ANETTE, CH
[71] NOVARTIS AG, CH
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[51] **Int.Cl. A47H 1/12 (2006.01)**
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[54] **CURTAIN ROD SUSPENSION SYSTEM AND ASSEMBLY**
[54] **SYSTEME ET ENSEMBLE DE SUSPENSION DE TRINGLE DE RIDEAU**
[72] QUATRARO, RALPH, CA
[72] MAZZOTTA, PAUL, CA
[71] UNIQUE FINE FABRICS IMPORT INC., CA
[85] 2021-10-26
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[30] US (62/839,472) 2019-04-26

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[51] **Int.Cl. H04N 19/11 (2014.01) H04N 19/139 (2014.01)**
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[54] **METHOD AND APPARATUS FOR INTRA-PREDICTION**
[54] **PROCEDE ET APPAREIL DE PREDICTION INTRA**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, CN
[72] RUFITSKIY, VASILY ALEXEEVICH, CN
[72] WANG, BIAO, DE
[72] ESENLIK, SEMIH, DE
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[30] US (62/822,047) 2019-03-21
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[51] **Int.Cl. B01J 19/18 (2006.01) A62D 3/40 (2007.01)**
[25] EN
[54] **REACTOR AND METHOD FOR ABLATIVE CENTRIFUGE PYROLYSIS**
[54] **REACTEUR ET PROCEDE POUR UNE PYROLYSE CENTRIFUGE ABLATIVE**
[72] GUPTA, MURLIDHAR, CA
[72] MCFARLAN, ANDREW, CA
[72] PRETO, FERNANDO, CA
[72] KHOSA, KARAM, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
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[86] 2020-01-15 (PCT/CA2020/050040)
[87] (WO2020/146945)
[30] US (62/793,783) 2019-01-17

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[51] **Int.Cl. A01D 65/02 (2006.01)**
[25] EN
[54] **CROP LIFTER FOR HARVESTED CROPS**
[54] **RELEVEUR D'EPIS POUR PRODUIT A RECOLTER**
[72] HOLLER, FRANK, DE
[71] SMF-HOLDING GMBH, DE
[85] 2021-10-27
[86] 2020-04-20 (PCT/EP2020/060958)
[87] (WO2020/221609)
[30] EP (19172022.6) 2019-04-30

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) C07D 239/48 (2006.01) C07D 401/06 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **SOLID FORM OF DIAMINOPYRIMIDINE COMPOUND OR HYDRATE THEREOF, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
[54] **FORME SOLIDE DE COMPOSE DE DIAMINOPYRIMIDINE OU D'UN HYDRATE DE CELUI-CI, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] CHENG, CHEUNGLING, CN
[72] ZHAO, YANPING, CN
[72] WANG, HONGJUN, CN
[72] FENG, ZEWANG, CN
[72] HUANG, HUAI, CN
[72] LIU, KAI, CN
[72] LIU, XUELIAN, CN
[72] PANG, JIANMEI, CN
[72] TIAN, NANA, CN
[72] CHEN, XICHAO, CN
[72] FU, SHENZHEN, CN
[72] MENG, JIE, CN
[72] ZHOU, LIYING, CN
[72] LIU, YANAN, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2021-10-27
[86] 2020-04-29 (PCT/CN2020/087687)
[87] (WO2020/221275)
[30] CN (PCT/CN2019/085207) 2019-04-30

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[51] **Int.Cl. C07D 237/02 (2006.01) C07D 253/06 (2006.01)**
[25] EN
[54] **SALT OF DIAMINOPYRIMIDINE COMPOUNDS, AND SOLID FORM THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **SEL D'UN COMPOSE DIAMINOPYRIMIDINE, FORME SOLIDE DE CELUI-CI, PROCEDE DE PREPARATION CORRESPONDANT ET UTILISATION ASSOCIEE**
[72] ZHAO, YANPING, CN
[72] WANG, HONGJUN, CN
[72] FENG, ZEWANG, CN
[72] HUANG, HUAI, CN
[72] LIU, KAI, CN
[72] LIU, XUELIAN, CN
[72] PANG, JIANMEI, CN
[72] TIAN, NANA, CN
[72] CHEN, XICHAO, CN
[72] FU, SHENZHEN, CN
[72] MENG, JIE, CN
[72] ZHOU, LIYING, CN
[72] LIU, YANAN, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2021-10-27
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[87] (WO2020/221276)
[30] CN (PCT/CN2019/085208) 2019-04-30

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[51] **Int.Cl. F16L 33/207 (2006.01)**
[25] EN
[54] **FITTING FOR CONNECTING PIPES, IN PARTICULAR FLEXIBLE PIPES**
[54] **RACCORD POUR RACCORDER DES TUYAUX, EN PARTICULIER DES TUYAUX FLEXIBLES**
[72] BERTOLOTTI, MR. UMBERTO, IT
[72] CONTINI, MARIO, IT
[71] I.V.A.R. S.P.A., IT
[85] 2021-10-27
[86] 2020-04-22 (PCT/IB2020/053812)
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[30] IT (102019000006496) 2019-05-02

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[51] **Int.Cl. C07K 14/26 (2006.01) C12N 15/31 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **KLEBSIELLA VACCINE AND METHODS OF USE**
[54] **VACCIN CONTRE LA KLEBSIELLA ET METHODES D'UTILISATION**
[72] BICALHO, RODRIGO, US
[71] CORNELL UNIVERSITY, US
[85] 2021-10-25
[86] 2020-04-27 (PCT/US2020/030038)
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[30] US (62/839,017) 2019-04-26
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[51] **Int.Cl. A61K 31/506 (2006.01) A61P 29/02 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ENDOMETRIOSIS-ASSOCIATED PAIN BY USING DIAMINOPYRIMIDINE COMPOUND**
[54] **PROCEDE DE TRAITEMENT DE LA DOULEUR ASSOCIEE A L'ENDOMETRIOSE A L'AIDE D'UN COMPOSE DE DIAMINOPYRIMIDINE**
[72] ZHAO, YANPING, CN
[72] HUANG, HUAI, CN
[72] WANG, HONGJUN, CN
[72] JIANG, YUANYUAN, CN
[72] LIANG, HUINING, CN
[72] AN, RAN, CN
[72] LAN, ZHOU, CN
[72] WANG, JIN, CN
[72] ZHOU, LIYING, CN
[72] LIU, YANAN, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2021-10-27
[86] 2020-04-29 (PCT/CN2020/087689)
[87] (WO2020/221277)
[30] CN (PCT/CN2019/085209) 2019-04-30

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[51] **Int.Cl. G01N 33/574 (2006.01) C07K 14/705 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **PAR2 MODULATION AND METHODS THEREOF**
[54] **MODULATION DE PAR2 ET METHODES ASSOCIEES**
[72] LIU, CHANGLU, US
[72] SUN, SIQUAN, US
[72] STEEMERS-LEE, GRACE, US
[72] LIU, BELINDA, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-10-27
[86] 2020-04-30 (PCT/IB2020/054114)
[87] (WO2020/225677)
[30] US (62/842,869) 2019-05-03

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4162 (2006.01) A61K 31/439 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF WEE1 INHIBITOR COMPOUND AND USE THEREOF**
[54] **FORME CRISTALLINE D'UN COMPOSE INHIBITEUR DE WEE1 ET SON UTILISATION**
[72] QIAN, WENYUAN, CN
[72] YANG, CHUNDAO, CN
[72] LI, ZHENGWEI, CN
[72] LI, JIE, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] SHIJIAZHUANG SAGACITY NEW DRUG DEVELOPMENT CO., LTD., CN
[85] 2021-10-27
[86] 2020-04-30 (PCT/CN2020/088451)
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[30] CN (201910364694.X) 2019-04-30

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 1/00 (2006.01) A61P 1/04 (2006.01) A61P 29/00 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHOD OF TREATING INFLAMMATORY BOWEL DISEASE WITH A COMBINATION THERAPY OF ANTIBODIES TO IL-23 AND TNF ALPHA**
[54] **METHODE DE TRAITEMENT DE MALADIE INTESTINALE INFLAMMATOIRE AU MOYEN D'UNE POLYTHERAPIE D'ANTICORPS DIRIGES CONTRE IL -23 ET TNF ALPHA**
[72] GERMINARO, MATTHEW, US
[72] O'BRIEN, CHRISTOPHER, US
[72] PERRIGOUE, JACQUELINE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-10-27
[86] 2020-05-21 (PCT/IB2020/054859)
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[30] US (62/851,968) 2019-05-23
[30] US (62/896,205) 2019-09-05

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[51] **Int.Cl. B29C 70/32 (2006.01) B29C 53/82 (2006.01) B29C 70/08 (2006.01) B29C 70/86 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A LEAK-TIGHT VESSEL AND LEAK-TIGHT VESSEL OBTAINED THEREBY**
[54] **PROCEDE DE PRODUCTION D'UN RECIPIENT ETANCHE AUX FUITES ET RECIPIENT ETANCHE AUX FUITES AINSI OBTENU**
[72] VANSWIJGENHOVEN, TONY, BE
[71] COVESS N.V., BE
[85] 2021-10-27
[86] 2020-04-28 (PCT/EP2020/025195)
[87] (WO2020/221475)
[30] BE (2019/0035) 2019-04-29

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 28/04 (2009.01)**
[25] EN
[54] **BASE STATION APPARATUS AND USER EQUIPMENT**
[54] **DISPOSITIF DE STATION DE BASE ET EQUIPEMENT UTILISATEUR**
[72] OHARA, TOMOYA, JP
[72] UCHINO, TOORU, JP
[72] TAKAHASHI, HIDEAKI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2021-10-27
[86] 2019-05-02 (PCT/JP2019/018194)
[87] (WO2020/222283)

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[51] **Int.Cl. A01D 65/02 (2006.01) A01D 34/22 (2006.01) A01D 45/02 (2006.01)**
[25] EN
[54] **SUPPORT RAIL OF AN EAR LIFTER FOR CROPS**
[54] **RAIL DE SOUTIEN D'UN RELEVEUR D'EPIS POUR LES ENGINS DE RECOLTE**
[72] HOLLER, FRANK, DE
[71] SMF-HOLDING GMBH, DE
[85] 2021-10-27
[86] 2020-04-25 (PCT/EP2020/061568)
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[30] DE (20 2019 102 446.1) 2019-04-30

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[51] **Int.Cl. A61F 2/16 (2006.01) B29C 67/00 (2017.01) B29D 11/00 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **TORIC CONTACT LENS STABILIZATION DESIGN BASED ON THICKNESS GRADIENTS ORTHOGONAL TO EYELID MARGIN**
[54] **CONCEPTION DE STABILISATION DE LENTILLE DE CONTACT TORIQUE BASEE SUR DES GRADIENTS D'EPAISSEUR ORTHOGONAUX A LA MARGE DES PAUPIERES**
[72] STRAKER, BENJAMIN, US
[71] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2021-10-27
[86] 2020-05-27 (PCT/IB2020/055039)
[87] (WO2020/250067)
[30] US (16/441,314) 2019-06-14

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[51] **Int.Cl. B31F 1/12 (2006.01) D21F 1/00 (2006.01) D21F 11/00 (2006.01) D21H 25/04 (2006.01)**
[25] EN
[54] **MULTILAYER CREPING BELT HAVING CONNECTED OPENINGS, METHODS OF MAKING PAPER PRODUCTS USING SUCH A CREPING BELT, AND RELATED PAPER PRODUCTS**
[54] **PAPIER ABSORBANT FABRIQUE PAR UN PROCEDE COMPRENANT UNE ETAPE DE CREPAGE SUR UNE COURROIE DE CREPAGE MULTICOUCHE AYANT DES OUVERTURES RELIEES**
[72] KUMAR, VIPUL, US
[72] HARTLEP, TIANYAN, US
[72] ANAND, FARMINDER, US
[72] FAN, XIAOLIN, US
[72] SZE, DANIEL HUE MING, US
[72] ORIARAN, TAIYE PHILIPS, US
[72] SCHUH, BRIAN J., US
[72] BAUMGARTNER, DEAN J., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2021-10-27
[86] 2020-08-31 (PCT/IB2020/058103)
[87] (WO2021/048679)
[30] US (62/897,842) 2019-09-09
[30] US (17/004,906) 2020-08-27

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[13] A1
[51] **Int.Cl. A61M 39/02 (2006.01)**
[25] EN
[54] **INTRACORPOREAL GUIDE COMPONENT**
[54] **ELEMENT DE GUIDAGE INTRACORPOREL**
[72] HAVERICH, AXEL, DE
[72] MEYER-KOBBE, CLEMENS, DE
[72] HARDER, MICHAEL, DE
[71] CORLIFE OHG, DE
[85] 2021-10-27
[86] 2020-04-27 (PCT/EP2020/061625)
[87] (WO2020/221695)
[30] DE (10 2019 110 982.5) 2019-04-29

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[51] **Int.Cl. C09D 183/06 (2006.01) C09D 7/63 (2018.01) C09D 7/65 (2018.01) C08J 7/043 (2020.01) C09D 183/05 (2006.01) C09D 5/02 (2006.01)**
[25] EN
[54] **AQUEOUS COATING AGENT COMPOSITION**
[54] **COMPOSITION AQUEUSE D'UN AGENT DE REVETEMENT**
[72] KIMURA, MASANORI, JP
[71] MOMENTIVE PERFORMANCE MATERIALS JAPAN LLC, JP
[85] 2021-10-27
[86] 2020-06-18 (PCT/JP2020/023991)
[87] (WO2020/256069)
[30] JP (2019-113411) 2019-06-19

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[51] **Int.Cl. B31F 1/12 (2006.01) D21F 1/00 (2006.01) D21F 11/00 (2006.01)**
[25] EN
[54] **PAPERMAKING BELTS HAVING OFFSET OPENINGS, PAPERMAKING PROCESSES USING BELTS HAVING OFFSET OPENINGS, AND PAPER PRODUCTS MADE THEREFROM**
[54] **COURROIES DE FABRICATION DE PAPIER AYANT DES OUVERTURES DECALEES, PROCEDES DE FABRICATION DE PAPIER UTILISANT DES COURROIES AYANT DES OUVERTURES DECALEES, ET PRODUITS EN PAPIER FA BRIQUES A PARTIR DE CELLES-CI**
[72] SZE, DANIEL HUE MING, US
[72] HARPER, FRANK D., US
[72] HAWKINS, KEVIN AARON, US
[72] LEPP, ERIC J., US
[72] KUMAR, VIPUL, US
[72] CAPPS, NATHAN, US
[72] MILLER, JOSEPH H., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2021-10-27
[86] 2020-09-15 (PCT/IB2020/058577)
[87] (WO2021/059085)
[30] US (62/905,058) 2019-09-24
[30] US (17/010,538) 2020-09-02

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[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING REFRIGERANT COMPOSITION IN CASE OF GAS TUBE LEAKS IN A HEAT EXCHANGER**
[54] **PROCEDE ET SYSTEME DE COMMANDE DE COMPOSITION DE FLUIDE FRIGORIGENE EN CAS DE FUITE DE TUBE DE GAZ DANS UN ECHANGEUR DE CHALEUR**
[72] KUMAR, PARAMASIVAM SENTHIL, IN
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2021-10-27
[86] 2020-04-30 (PCT/EP2020/062041)
[87] (WO2020/225096)
[30] IN (201941017762) 2019-05-03
[30] EP (19180474.9) 2019-06-17

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[51] **Int.Cl. E05B 19/00 (2006.01) E05B 19/26 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **ROTATABLE MAGNETIC KEY COMBINATION ELEMENT**
[54] **ELEMENT DE COMBINAISON DE CLE MAGNETIQUE ROTATIVE**
[72] BEN-AHARON, EFFI, IL
[72] BORTMAN, ASAF, IL
[71] MUL-T-LOCK TECHNOLOGIES LTD., IL
[85] 2021-10-27
[86] 2020-04-19 (PCT/IL2020/050457)
[87] (WO2020/222224)
[30] IL (266258) 2019-04-28

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[13] A1
[51] **Int.Cl. B27D 1/00 (2006.01) B27D 5/00 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **VENEER SORTING CONTROL DEVICE, VENEER SORTING CONTROL METHOD, AND PROGRAM FOR VENEER SORTING CONTROL**
[54] **DISPOSITIF DE COMMANDE DE TRI DE PLACAGE, PROCEDE DE COMMANDE DE TRI DE PLACAGE ET PROGRAMME DE COMMANDE DE TRI DE PLACAGE**
[72] MORITA KOJI, JP
[71] MEINAN MACHINERY WORKS, INC., JP
[85] 2021-10-27
[86] 2020-10-20 (PCT/JP2020/039406)
[87] (WO2021/085243)
[30] JP (2019-198330) 2019-10-31

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[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR HAMMERING INTERCONNECTED TUBULAR MEMBERS**
[54] **RACCORD FILETE PERMETTANT DE MARTELER DES ELEMENTS TUBULAIRES INTERCONNECTES**
[72] MANTOVANO, LUCIANO OMAR, AR
[71] TENARIS CONNECTIONS B.V., NL
[85] 2021-10-27
[86] 2020-04-30 (PCT/EP2020/062093)
[87] (WO2020/221886)
[30] NL (2023042) 2019-04-30

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[51] **Int.Cl. F01L 21/04 (2006.01) F01L 1/46 (2006.01) F01L 3/20 (2006.01) F02B 25/20 (2006.01)**
[25] EN
[54] **SYNCHRONOUS TWO-STROKE "SERVO PISTON" SERVICE UNIT WITH FLOATING RING FOR ENDOTHERMIC ENGINES**
[54] **UNITE DE SERVICE A "PISTON ASSERVI" SYNCHRONE A DEUX TEMPS AVEC ANNEAU FLOTTANT POUR MOTEURS ENDOTHERMIQUES**
[72] FIORETTI, SALVATORE, IT
[71] FIORETTI, SALVATORE, IT
[85] 2021-10-27
[86] 2020-05-26 (PCT/IT2020/050135)
[87] (WO2020/245854)

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[13] A1
[51] **Int.Cl. B32B 27/10 (2006.01) B32B 7/12 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **LAMINATED FILM TO BE APPLIED TO ECO-FRIENDLY PACKAGING MATERIAL WITH HIGH BARRIER PROPERTIES**
[54] **FILM STRATIFIE DESTINE A ETRE APPLIQUE A UN MATERIAU D'EMBALLAGE ECOLOGIQUE PRESENTANT DES PROPRIETES DE BARRIERE ELEVEES**
[72] PARK, KI HO, KR
[72] CHOI, JIN SEOK, KR
[72] KIM, JI HUN, KR
[71] DONGWON SYSTEMS CORPORATION, KR
[85] 2021-10-27
[86] 2020-04-07 (PCT/KR2020/004704)
[87] (WO2021/010573)
[30] KR (10-2019-0086591) 2019-07-17

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[13] A1
[51] **Int.Cl. A61B 5/349 (2021.01) A61B 5/316 (2021.01) A61B 5/364 (2021.01) A61B 5/366 (2021.01) A61N 1/365 (2006.01)**
[25] EN
[54] **CHARACTERISATION OF CARDIAC DYSSYNCHRONY AND DYSSYNERGY**
[54] **CARACTERISATION D'UN ASYNCHRONISME CARDIAQUE ET D'UNE DYSSYNERGIE**
[72] ODLAND, HANS HENRIK, NO
[71] PACERTOOL AS, NO
[85] 2021-10-27
[86] 2020-04-30 (PCT/EP2020/062149)
[87] (WO2020/221903)
[30] GB (1906064.9) 2019-04-30

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[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01) G01V 11/00 (2006.01)**
[25] EN
[54] **METHOD OF ESTIMATING A MINERAL CONTENT OF A GEOLOGICAL STRUCTURE**
[54] **PROCEDE D'ESTIMATION DE LA TENEUR D'UNE STRUCTURE GEOLOGIQUE EN MINERAUX**
[72] HOKSTAD, KETIL, NO
[71] EQUINOR ENERGY AS, NO
[85] 2021-10-27
[86] 2020-04-21 (PCT/NO2020/050101)
[87] (WO2020/222652)
[30] GB (1905939.3) 2019-04-29

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[13] A1
[51] **Int.Cl. C01G 9/02 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01)**
[25] EN
[54] **METHOD OF PREPARATION OF ZINC OXIDE NANOPARTICLES, ZINC OXIDE NANOPARTICLES OBTAINED BY THIS METHOD AND THEIR USE**
[54] **PROCEDE DE PREPARATION DE NANOPARTICULES D'OXYDE DE ZINC, NANOPARTICULES D'OXYDE DE ZINC OBTENUES PAR CE PROCEDE ET LEUR UTILISATION**
[72] LEWINSKI, JANUSZ ZBIGNIEW, PL
[72] WOLSKA-PIETKIEWICZ, MALGORZATA, PL
[72] JEDRZEJEWSKA, MARIA, PL
[71] NANOXO SP. Z O.O., PL
[85] 2021-10-27
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[87] (WO2020/231280)
[30] PL (P.429943) 2019-05-15

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 31/00 (2006.01) A61K 45/06 (2006.01) A61P 33/00 (2006.01)**
[25] EN
[54] **INJECTABLE PHARMACEUTICAL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES INJECTABLES ET LEURS UTILISATIONS**
[72] VALLE COLON, BRENDA L, US
[72] FREEHAUF, KEITH, US
[72] GUERINO, FRANK, US
[72] KULCZAR, CHRISTOPHER D, US
[72] CARRILLO, BRIAN, US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2021-10-27
[86] 2020-05-01 (PCT/EP2020/062181)
[87] (WO2020/225143)
[30] US (62/842,709) 2019-05-03

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[51] **Int.Cl. A61K 31/225 (2006.01) A23K 20/158 (2016.01) A23L 27/00 (2016.01) A23L 33/10 (2016.01) A61K 47/36 (2006.01) A61K 47/40 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **TRIBUTYRIN COMPOSITIONS AND METHODS THEREFOR**
[54] **COMPOSITIONS DE TRIBUTYRINE ET PROCEDES ASSOCIES**
[72] TITLOW, MATTHEW, US
[71] COMPOUND SOLUTIONS, INC., US
[85] 2021-10-27
[86] 2019-06-07 (PCT/US2019/036037)
[87] (WO2020/246988)
[30] US (16/434,051) 2019-06-06

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[51] **Int.Cl. H02J 50/00 (2016.01) H02J 50/10 (2016.01) B65G 47/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY MODULE FOR A TRANSPORT SYSTEM, FUNCTION UNIT, SYSTEM, USE, AND ARRANGEMENT**
[54] **MODULE D'ALIMENTATION EN ENERGIE DESTINE A UN SYSTEME DE TRANSPORT, UNITE DE FONCTION, SYSTEME, UTILISATION ET AGENCEMENT**
[72] HAHN, KLAUS, DE
[71] OPTIMA CONSUMER GMBH, DE
[85] 2021-10-27
[86] 2020-05-19 (PCT/EP2020/063925)
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[54] **EVACUATION CONTINUE DE SOLIDES**
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[72] HOFFMAN, BARRY, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **A METHOD AND ARRANGEMENT FOR ESTIMATING A MATERIAL PROPERTY OF AN OBJECT BY MEANS OF A LASER ULTRASONIC (LUS) MEASUREMENT EQUIPMENT**
[54] **PROCEDE ET AGENCEMENT PERMETTANT L'ESTIMATION D'UNE PROPRIETE DE MATERIAU D'UN OBJET AU MOYEN D'UN EQUIPEMENT DE MESURE A ULTRASONS LASER (LUS)**
[72] MALMSTROM, MIKAEL, SE
[71] SSAB TECHNOLOGY AB, SE
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[54] **FLAPPER ON FRAC PLUG THAT ALLOWS PUMPING DOWN A NEW PLUG**
[54] **CLAPET SUR BOUCHON DE FRACTURATION PERMETTANT LE POMPAGE D'UN NOUVEAU BOUCHON**
[72] NICHOLS, MATTHEW TAYLOR, US
[72] NGUYEN, NIN M., US
[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL LINLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **A SYSTEM AND METHOD FOR LOCALISATION USING FOOTPRINTS**
[54] **SYSTEME ET PROCEDE DE LOCALISATION UTILISANT DES EMPREINTES**
[72] ASHCROFT, JENNIFIER, GB
[72] JACKSON, EDDIE, GB
[71] BAE SYSTEMS PLC, GB
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[54] **COMPOSITIONS DE SOINS BUCCO-DENTAIRES**
[72] KULKARNI, POOJA, US
[72] FEI, LIN, US
[72] CHOPRA, SUMAN, US
[72] STROTMAN, HALLENA, US
[72] TANG, SAIDE, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **SELECTION OF FIBROBLAST DONORS FOR OPTIMIZATION OF ALLOGENEIC FIBROBLAST-MEDIATED REGENERATION**
[54] **SELECTION DE DONNEURS DE FIBROBLASTES POUR L'OPTIMISATION DE LA REGENERATION INDUITE PAR LES FIBROBLASTES ALLOGENIQUES**
[72] O'HEERON, PETE, US
[72] ICHIM, THOMAS, US
[71] FIGENE, LLC, US
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[54] **BIPARATOPIC FR-ALPHA ANTIBODIES AND IMMUNOCONJUGATES**
[54] **ANTICORPS ET IMMUNOCONJUGUES DE FR-ALPHA BIPARATOPIQUE**
[72] AB, OLGA, US
[72] KOHLI, NEERAJ, US
[72] CHITTENDEN, THOMAS, US
[72] SETIADY, JULIANTO, US
[71] IMMUNOGEN, INC., US
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[54] **INTRATHECAL AND INTRAVENOUS COMBINATION GENE THERAPY FOR THE TREATMENT OF INFANTILE BATTEN DISEASE**
[54] **THERAPIE GENIQUE COMBINEE INTRATHECALE ET INTRAVEINEUSE POUR LE TRAITEMENT DE LA MALADIE DE BATTEN JUVENILE**
[72] MILLER, TIMOTHY J., US
[72] GRAY, STEVEN J., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] MILLER, TIMOTHY J., US
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[25] EN
[54] **A CONTROL METHOD AND SYSTEM FOR OPERATING AN ELECTRICAL COMPONENT**
[54] **PROCEDE ET SYSTEME DE COMMANDE POUR FAIRE FONCTIONNER UN COMPOSANT ELECTRIQUE**
[72] BIRONNEAU, MICHAEL, GB
[72] MACKAY, JAMES, GB
[71] OPEN ENERGI LIMITED, GB
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[54] **ANTIGEN SPECIFIC CD19-TARGETED CAR-T CELLS**
[54] **CELLULES CAR-T CIBLEES PAR UN ANTIGENE CD19 SPECIFIQUE**
[72] AFTAB, BLAKE T., US
[71] ATARA BIOTHERAPEUTICS, INC., US
[85] 2021-10-27
[86] 2020-04-29 (PCT/US2020/030435)
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[54] **COMPOSITIONS AND METHODS OF MAKING EXPANDED HEMATOPOIETIC STEM CELLS USING DERIVATIVES OF CARBAZOLE**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION DE CELLULES SOUCHES HEMATOPOIETIQUES AMPLIFIEES AU MOYEN DE DERIVES DE CARBAZOLE**
[72] COTARI, JESSE, US
[72] LOVING, KATHRYN, US
[71] TRANSFUSION HEALTH, LLC, US
[85] 2021-10-27
[86] 2020-04-29 (PCT/US2020/030522)
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[54] **DEVICE FOR CLOSING A WOUND**
[54] **DISPOSITIF DE FERMETURE D'UNE PLAIE**
[72] FAVREAU, JOHN T., US
[72] LYDECKER, LAUREN S., US
[72] PIC, ANDREW, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **NANOPARTICLE FORMULATION OF BCL-2 INHIBITOR**
[54] **FORMULATION DE NANOPARTICULES D'INHIBITEUR DE LA BCL-2**
[72] PINCHMAN, JOSEPH ROBERT, US
[72] UNNI, ADITYA KRISHNAN, US
[72] SHAMAY, YOSEF, US
[72] BUNKER, KEVIN DUANE, US
[72] HUANG, PETER QINHUA, US
[71] RECURIUM IP HOLDINGS, LLC, US
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[72] MITCHELL, MATTHEW PHILLIP, US
[71] TENDEG LLC, US
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[54] **SOLID FORMS OF A GLYT1 INHIBITOR**
[54] **FORMES SOLIDES D'UN INHIBITEUR DE GLYT1**
[72] SIEGER, PETER, DE
[72] GAO, JOE JU, US
[72] YANG, BING-SHIOU, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[54] **APPARATUS AND METHODS FOR A GAS LIFT VALVE**
[54] **APPAREIL ET PROCEDES POUR UNE VANNE D'ASCENSION AU GAZ**
[72] RODGER, JOEL, US
[71] RCE CORPORATION, US
[85] 2021-10-27
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[25] EN
[54] **USE OF CAP-SCORE TM IN IDENTIFICATION OF A REPRODUCTIVE APPROACH IN MEN SUFFERING FROM VARICOCELE**
[54] **UTILISATION DE CAP-SCORETM DANS L'IDENTIFICATION D'UNE APPROCHE DE REPRODUCTION CHEZ DES HOMMES SOUFFRANT DE VARICOCELE**
[72] OSTERMEIER, G. CHARLES, US
[72] TRAVIS, ALEXANDER, US
[71] ANDROVIA LIFESCIENCES, LLC, US
[85] 2021-10-27
[86] 2020-04-30 (PCT/US2020/030783)
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[25] EN
[54] **MULTI-CHAMBER SYRINGE**
[54] **SERINGUE MULTICHAMBRE**
[72] ODA, TODD, US
[72] MANSOUR, GEORGE, US
[72] MASON, EUGENE, US
[71] CAREFUSION 303, INC., US
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[54] **METHODS OF MAKING OLIGOPOTENT AND UNIPOTENT PRECURSORS**
[54] **PROCEDES DE FABRICATION DE PRECURSEURS OLIGOPOTENTS ET UNIPOTENTS**
[72] COTARI, JESSE, US
[71] TRANSFUSION HEALTH, LLC, US
[85] 2021-10-27
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[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/315 (2006.01)**
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[54] **SYRINGE WITH PRIMING INDICATOR**
[54] **SERINGUE AVEC INDICATEUR D'AMORCAGE**
[72] ODA, TODD, US
[72] MANSOUR, GEORGE, US
[72] MASON, EUGENE, US
[71] CAREFUSION 303, INC., US
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[54] **INHIBITEURS DE KINASES RAF**
[72] KALDOR, STEPHEN W., US
[72] KANOUNI, TOUFIKE, US
[72] ARNOLD, LEE, US
[71] KINNATE BIOPHARMA INC., US
[85] 2021-10-27
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[54] **LICENSE PLATE READING SYSTEM WITH ENHANCEMENTS**
[54] **SYSTEME DE LECTURE DE PLAQUE D'IMMATRICULATION PERFECTIONNE**
[72] ALAKARHU, JUHA, US
[72] HAKANEN, JESSE, US
[72] SUKSI, MATTI, US
[72] BULLOCK, JAMES, US
[72] SOLGI, MOJTABA, US
[71] AXON ENTERPRISE, INC., US
[85] 2021-10-27
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[30] US (16/399,607) 2019-04-30
[30] US (16/399,654) 2019-04-30
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[54] **ELIMINATION DE CONSERVATEUR DE GOUTTES OCULAIRES**
[72] WILSON, MICHAEL, US
[72] WILLIAMS, MICHAEL, US
[72] HAY, DENIZ, US
[72] MALANGA, MICHAEL, US
[71] TEARCLEAR CORP., US
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[86] 2020-04-30 (PCT/US2020/030801)
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[30] US (62/842,071) 2019-05-02

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING OR PREVENTING ASTHMA BY ADMINISTERING AN IL-33 ANTAGONIST**
[54] **METHODES DE TRAITEMENT OU DE PREVENTION DE L'ASTHME PAR ADMINISTRATION D'UN ANTAGONISTE D'IL-33**
[72] GOULAOUIC, HELENE, US
[72] JESSEL, ANDREAS, US
[72] ABDULAI, RAOLAT, US
[72] TEPER, ARIEL, US
[72] RUDDY, MARCELLA, US
[72] AMIN, NIKHIL, US
[72] HAREL, SIVAN, US
[72] KALLIOLIAS, GEORGIOS, US
[72] BODDY, ALEX, US
[72] HU, CHIH-CHI, US
[72] DUKOVIC, DEBORAH, US
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
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[30] US (62/841,481) 2019-05-01
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[51] **Int.Cl. C23F 11/14 (2006.01) C09D 7/63 (2018.01) C02F 1/68 (2006.01) C02F 5/12 (2006.01)**
[25] EN
[54] **1,2,4-TRIAZOLO[1,5-A] PYRIMIDINE DERIVATIVE AS COPPER CORROSION INHIBITOR**
[54] **1,2,4-TRIAZOLO[1,5-A] DERIVE DE LA PYRIMIDINE COMME INHIBITEUR DE CORROSION DU CUIVRE**
[72] HARBINDU, ANAND, IN
[71] ECOLAB USA INC., US
[85] 2021-10-27
[86] 2020-05-07 (PCT/US2020/031782)
[87] (WO2020/231723)
[30] US (62/847,009) 2019-05-13

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[51] **Int.Cl. G16H 40/67 (2018.01) G16H 10/20 (2018.01) G16H 10/60 (2018.01) G16H 50/20 (2018.01) G16H 50/70 (2018.01) G16H 80/00 (2018.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR CLINICAL CURATION OF CROWDSOURCED DATA**
[54] **SYSTEME ET PROCEDES PERMETTANT L'ORGANISATION DE DONNEES A EXTERNALISATION OUVERTE SUR LE PLAN CLINIQUE**
[72] BROWN, MICHAEL, US
[72] WEINGARDT, KENNETH R., US
[72] AHRENS, JILLIAN CHRISTINE, US
[72] KERSANSKE, BRENT PAUL, US
[71] PEAR THERAPEUTICS, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR MULTIPLEXED OPTICAL ADDRESSING OF ATOMIC MEMORIES**
[54] **SYSTEME ET PROCEDE POUR UN ADRESSAGE OPTIQUE A MULTIPLEXAGE DE MEMOIRES ATOMIQUES**
[72] CHRISTEN, IAN ROBERT, US
[72] ENGLUND, DIRK R., US
[72] BERNIEN, HANNES, US
[72] OMRAN, AHMED, US
[72] KEESLING CONTRERAS, ALEXANDER, US
[72] LEVINE, HARRY JAY, US
[72] LUKIN, MIKHAIL D., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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[51] **Int.Cl. A01K 1/03 (2006.01) A01K 1/02 (2006.01) A01K 31/08 (2006.01) A01K 63/00 (2017.01)**
[25] EN
[54] **SMALL REPTILE CAGE AND METHOD OF ASSEMBLY**
[54] **PETITE CAGE POUR REPTILES ET PROCEDE D'ASSEMBLAGE**
[72] MARKS, TIMOTHY, US
[72] CLASEN, PATRICK, US
[72] CLOUGH, CHRISTIAN, US
[72] LAWYER, JUSTIN, US
[71] ECOTECH, LLC, US
[85] 2021-10-27
[86] 2020-04-30 (PCT/US2020/030791)
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[51] **Int.Cl. A61K 31/137 (2006.01) A61K 9/00 (2006.01) A61K 47/36 (2006.01) A61P 27/02 (2006.01)**
[25] FR
[54] **COMPOSITION BASED ON GELLAN GUM AND PHENYLEPHRINE, PRODUCTION METHOD AND USE AS AN OPHTHALMIC PRODUCT**
[54] **COMPOSITION A BASE DE GOMME GELLANE ET DE PHENYLEPHRINE, PROCEDE DE FABRICATION ET UTILISATION COMME PRODUIT OPHTALMIQUE**
[72] DESTRUEL, PIERRE-LOUIS, FR
[72] BOUDY, VINCENT, FR
[72] ZENG, NI, FR
[72] MIGNET, NATHALIE, FR
[72] MAURY, MARC, FR
[71] UNITHER PHARMACEUTICALS, FR
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[51] **Int.Cl. G10G 1/00 (2006.01) G10H 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING ELECTRONIC MUSICAL SCORES**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DES PARTITIONS MUSICALES ELECTRONIQUES**
[72] ANDERSSON, PAUL, GB
[71] ANDERSSON, PAUL, GB
[85] 2021-10-28
[86] 2020-04-28 (PCT/EP2020/061757)
[87] (WO2020/221745)
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[51] **Int.Cl. G01K 11/00 (2006.01) G01K 15/00 (2006.01)**
[25] EN
[54] **IMPROVED TEMPERATURE MEASUREMENT**
[54] **MESURE DE TEMPERATURE AMELIOREE**
[72] VAN ERP, JOOST, NL
[71] GEA FOOD SOLUTIONS BAKEL B.V., NL
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[25] EN
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[72] BRIGNONE, CHRYSTELLE, FR
[72] ANGIN, MATHIEU, FR
[71] IMMUTEP S.A.S., FR
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[54] **SYSTEME D'ANALYSE DE POLYMERE AUTOMATISE ET SON UTILISATION**
[72] RAMSAUER, CHRISTOPH, AT
[72] YALDEZ, ROLF, AT
[72] KEMPTNER, FRANZ, AT
[72] LEITNER, HELMUT, AT
[71] LENZING AKTIENGESELLSCHAFT, AT
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[54] **AN APPARATUS FOR APPLYING MAKEUP AND USE THEREOF**
[54] **APPAREIL D'APPLICATION DE MAQUILLAGE ET SON UTILISATION**
[72] SILVER, ASHLEY, CA
[72] GAO, DI, CA
[72] SILVER, JORDAN, CA
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[54] **PROCEDE ET APPAREIL DE PREPARATION D'UNE COMPOSITION ALIMENTAIRE AEREE**
[72] LEADBEATER, RICHARD JOHN, GB
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2021-10-28
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[54] **MOLECULES D'ACIDE NUCLEIQUE REGULATRICES POUR AMELIORER L'EXPRESSION GENIQUE DANS DES PLANTES**
[72] MEULEWAETER, FRANK, BE
[72] ZHANG, SHIRONG, US
[72] LISERON-MONFILS, CHRISTOPHE, BE
[71] BASF SE, DE
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[54] **COMPOUNDS FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS**
[54] **COMPOSES DESTINES AU TRAITEMENT DE TROUBLES NEUROMUSCULAIRES**
[72] KNUTSEN, LARS J.S., GB
[72] KELLY, NICHOLAS, DK
[72] SKOV, MARTIN BRANDHOJ, DK
[72] RIISAGER, ANDERS, DK
[72] SARASWAT, NEERJA, CA
[71] NMD PHARMA A/S, DK
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[54] **AN APPARATUS FOR PULVERIZING MATERIAL INCLUDING A STATIONARY HOUSING**
[54] **APPAREIL DE PULVERISATION DE MATERIAU COMPRENANT UN BOITIER FIXE**
[72] VUJADINOVIC, BORISLAV, SE
[71] KLINGMILL AB, SE
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[54] **DEVICES AND METHODS FOR RECEIVING FLUIDS**
[54] **DISPOSITIFS ET PROCEDES DE RECEPTION DE FLUIDES**
[72] GONG, PING, US
[72] BLICHARZ, TIMOTHY M., US
[72] MACAULAY, HERSHEL S.G., US
[72] WAKEFIELD, JESSICA A., US
[72] BARONE, VINCENT J., US
[71] YOURBIO HEALTH, INC., US
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[54] **TAPIS INDUISANT UNE TRAINEE POUR MANEGES DE PARCS D'ATTRACTIONS**
[72] OSBORN, BYRON THOMAS, US
[72] VANCE, ERIC ALAN, US
[72] LOPEZ, PEDRO, US
[72] WALTON, RYAN DALE, US
[72] MAJDALI, DAVID GERARD, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[54] **METHODS AND COMPOSITIONS USING AUXOTROPHIC REGULATABLE CELLS**
[54] **PROCEDES ET COMPOSITIONS UTILISANT DES CELLULES REGULABLES AUXOTROPHES**
[72] PATTERSON, JAMES, GB
[72] PORTEUS, MATTHEW, US
[72] WIEBKING, VOLKER, US
[71] AUXOLYTIC LTD, GB
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **RADIATION CURABLE COMPOSITION WITH IMPROVED MECHANICAL PROPERTIES**
[54] **COMPOSITION DURCISSABLE PAR RAYONNEMENT AVEC DES PROPRIETES MECANIQUES AMELIOREES**
[72] GUTACKER, ANDREA, DE
[72] LANAU, SEBASTIEN, DE
[72] DUNEKAKE, RALF, DE
[72] BONIGUT, MARKUS, DE
[72] HELPENSTEIN, KLAUS, DE
[72] ZHAO, LIGANG, DE
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[54] **SAMPLE VIEWER INCLUDING GLASS SAMPLES, AND ASSOCIATED METHODS**
[54] **DISPOSITIF D'OBSERVATION D'ECHANTILLONS COMPRENANT DES ECHANTILLONS DE VERRE, ET PROCEDES ASSOCIES**
[72] SOBOLEV, ALEXANDER, US
[71] GUARDIAN GLASS, LLC, US
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[54] **METHODS FOR THE PRODUCTION OF HEPATOCYTES**
[54] **PROCEDES DE PRODUCTION D'HEPATOCYTES**
[72] GUIREVICH, IGOR, US
[72] BURTON, SARAH, US
[72] MUNN, CHRISTIE, US
[72] GOEDLAND, MADELYN, US
[72] CZYSZ, KATHERINE, US
[72] RAJESH, DEEPIKA, US
[72] OHSHIMA, MAKIKO, US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[71] FUJIFILM HOLDINGS AMERICA CORPORATION, US
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[54] **SYSTEMS AND METHODS FOR WIRELESS COMMUNICATION IN A WELL**
[54] **SYSTEMES ET PROCEDES POUR DES COMMUNICATIONS SANS FIL DANS UN PUITS**
[72] JOSHI, MAHENDRA L., US
[72] LIAO, YI, US
[72] SCOTT, THOMAS MCCLAIN, US
[72] TYSHKO, ALEXEY, US
[72] HOWE, VIRGINIA, US
[72] REEVES, BRIAN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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[54] **SYSTEMS AND METHODS FOR WIRELESS POWER TRANSMISSION IN A WELL**
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION D'ENERGIE SANS FIL DANS UN PUITS**
[72] JOSHI, MAHENDRA L., US
[72] LIAO, YI, US
[72] SCOTT, THOMAS MCCLAIN, US
[72] TYSHKO, ALEXEY, US
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[72] REEVES, BRIAN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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[54] **DISPOSITIFS, PROCEDES ET SYSTEMES D'ELECTROPORATION**
[72] CORSO, TOM, US
[72] CRAIGHEAD, HAROLD G., US
[71] CYTEQUEST, INC., US
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[54] **DRIVE ASSEMBLY FOR A CONVEYOR**
[54] **MECANISME D'ENTRAINEMENT POUR CONVOYEUR**
[72] DEGROOT, MICHAEL HENDRIK, US
[72] MOHAN, JAKE A., US
[72] HULSHOF, GERKO, NL
[72] KOKX, DAVID A., US
[72] BATCHELDER, JEFF, US
[72] DOWNER, DREW, US
[72] HONEYCUTT, JR., JAMES R., US
[71] LAITRAM, L.L.C., US
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[54] **MOLECULES DE LIAISON A CD19 ET UTILISATIONS DE CELLES-CI**
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[72] RAYO, AMY, US
[72] HONG, CONNIE, US
[72] CHELUR, DATTANANDA, US
[72] LU, HAIHUI, US
[72] CEBE, REGIS, CH
[72] JANG, SUNYOUNG, US
[71] NOVARTIS AG, CH
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[54] **SYSTEMS AND METHODS FOR HANDLING CAMPED INCOMING TELEPHONE CALLS**
[54] **SYSTEMES ET PROCEDES DE GESTION D'APPELS TELEPHONIQUES ENTRANTS MIS EN ATTENTE**
[72] GEHANI, JAYA, US
[72] YACOV, SHAY, IL
[71] VONAGE BUSINESS INC., US
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[54] **MODULE DE CONTACT POUR COMMUNIQUER AVEC UN DISPOSITIF DE FOND DE TROU**
[72] MILLER, KENNETH, US
[72] ERDOS, DAVID, US
[72] ERDOS, ABRAHAM, US
[71] ERDOS MILLER, INC, US
[71] BLACK DIAMOND OILFIELD RENTALS LLC, US
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[54] **WORKBENCH WITH COLLAPSIBLE PEGBOARD**
[54] **ETABLI A PANNEAU PERFORE PLIABLE**
[72] CHIAO, JERRY, US
[72] CHUANG, YUAN-LUEN, CN
[72] TAM, CZE-CHAO, US
[71] TRINITY INTERNATIONAL INDUSTRIES, L.L.C., US
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[54] **SYSTEM AND METHOD FOR METERED DOSING VAPORIZER**
[54] **SYSTEME ET PROCEDE POUR VAPORISATEUR DOSEUR**
[72] WOODBINE, JOHN JESSE, US
[72] KATSAROS, STEPHEN B., US
[72] CALFEE, PETER WILLIAM, US
[71] GOFIRE INC., US
[85] 2021-10-27
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[30] US (63/002,131) 2020-03-30
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[54] **CAPTURE D'IMAGE BASEE SUR UN EVENEMENT DESTINE A UN VEHICULE A ORDURES**
[72] CLIFTON, CODY, US
[72] KOGA, JEFFREY, US
[72] ROCHOLL, JOSH, US
[71] OSHKOSH CORPORATION, US
[85] 2021-10-28
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[54] **OPERATIONAL MODES FOR A REFUSE VEHICLE**
[54] **MODES DE FONCTIONNEMENT POUR UN VEHICULE DE COLLECTE D'ORDURES**
[72] CLIFTON, CODY, US
[72] SHIRLEY, JERRY, US
[72] ROCHOLL, JOSH, US
[72] WEI, ZHENYI, US
[71] OSHKOSH CORPORATION, US
[85] 2021-10-28
[86] 2020-04-22 (PCT/US2020/029228)
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[30] US (62/840,974) 2019-04-30
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[54] **PROCEDES DE PREPARATION D'ANALYTES ET KITS ASSOCIES**
[72] CHEE, MARK S., US
[72] GUNDERSON, KEVIN L., US
[72] MURANAKA, NORIHITO, US
[72] WEINERT, BRIAN T., US
[71] ENCODIA, INC., US
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[54] **COMPOSITIONS DE SOINS BUCCO-DENTAIRES**
[72] TANG, SADIE, US
[72] FEI, LIN, US
[72] CHOPRA, SUMAN, US
[72] STROTMAN, HALLENA, US
[72] KULKARNI, POOJA, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[51] **Int.Cl. C01D 1/20 (2006.01) C01D 1/04 (2006.01)**
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[54] **PROCEDE DE RECUPERATION D'ALCALI A PARTIR D'UN MATERIAU CONTENANT UN OXYDE/HYDROXYDE METALLIQUE**
[72] MAHMOOD, TALAT, CA
[72] JEMAA, NACEUR, CA
[71] FPINNOVATIONS, CA
[85] 2021-10-28
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[54] **NANOEMULSION A ENVELOPPE DE PORPHYRINE**
[72] ZHENG, GANG, CA
[72] CHEN, JUAN, CA
[72] HOU, WENXIU, CN
[72] BU, JIACHUAN, CA
[71] UNIVERSITY HEALTH NETWORK, CA
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[30] US (62/844,543) 2019-05-07

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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 80/02 (2009.01)**
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[54] **SYSTEME DE COMMUNICATION DE CAPACITE ELEVEE INNOVANT**
[72] FATTOUCHE, MICHEL, CA
[71] FATTOUCHE, MICHEL, CA
[85] 2021-10-28
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[25] EN
[54] **SECURITY SYSTEMS AND PROCESSES INVOLVING BIOMETRIC AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES DE SECURITE IMPLIQUANT UNE AUTHENTIFICATION BIOMETRIQUE**
[72] BAKSHI, RAJEEV KUMAR, CA
[72] BLACK, DAVID ALLAN, CA
[72] WEIL, JOSEPH P., US
[71] ACTIVE WITNESS CORP., CA
[85] 2021-10-28
[86] 2020-04-29 (PCT/CA2020/050567)
[87] (WO2020/220127)
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[30] US (62/893,368) 2019-08-29
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[51] **Int.Cl. H02J 7/02 (2016.01) B60L 53/66 (2019.01)**
[25] EN
[54] **EV CHARGER WITH ADAPTABLE CHARGING PROTOCOL**
[54] **CHARGEUR D'EV AVEC PROTOCOLE DE CHARGE ADAPTABLE**
[72] IBRAHIM, PETER, CA
[72] VAHEDI, HANI, CA
[72] DESCHENES, JEAN-HUGUES, CA
[72] FORGET, MARC-ANDRE, CA
[71] DCBEL INC., CA
[85] 2021-11-04
[86] 2020-03-19 (PCT/CA2020/050367)
[87] (WO2020/186357)
[30] US (62/820,474) 2019-03-19

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[51] **Int.Cl. H02M 3/24 (2006.01) H02M 1/42 (2007.01) B60L 50/60 (2019.01) B60L 53/20 (2019.01) H02M 7/04 (2006.01) H02M 7/06 (2006.01) H02M 7/68 (2006.01)**
[25] EN
[54] **ISOLATED CONVERTER**
[54] **CONVERTISSEUR ISOLE**
[72] VAHEDI, HANI, CA
[72] FORGET, MARC-ANDRE, CA
[71] DCBEL INC., CA
[85] 2021-11-04
[86] 2020-04-14 (PCT/CA2020/050499)
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[30] US (62/832,810) 2019-04-11

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING TIMING ADVANCE AND APPARATUS**
[54] **APPAREIL ET PROCEDE D'OBTENTION D'AVANCE TEMPORELLE**
[72] CHEN, LEI, CN
[72] LI, BINGZHAO, CN
[72] WANG, HONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-10-28
[86] 2020-03-12 (PCT/CN2020/078964)
[87] (WO2020/220839)
[30] CN (201910361638.0) 2019-04-30

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[13] A1
[51] **Int.Cl. E21B 12/00 (2006.01)**
[25] EN
[54] **REACTIVE TORQUE AUTOMATIC BALANCING DEVICE FOR SCREW DRILLING TOOL, DRILLING STRING, AND METHOD**
[54] **DISPOSITIF D'EQUILIBRAGE AUTOMATIQUE DE COUPLE DE REACTION D'OUTIL DE FORAGE A VIS, AINSI QUE TRAIN DE TIGES DE FORAGE ET PROCEDE**
[72] ZHENG, DESHUAI, CN
[72] LI, MENGGANG, CN
[72] NIU, CHENGCHENG, CN
[72] ZHAO, XIANGYANG, CN
[72] YU, LINGLING, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC RESEARCH INSTITUTE OF PETROLEUM ENGINEERING, CN
[85] 2021-10-28
[86] 2020-04-15 (PCT/CN2020/084952)
[87] (WO2020/221010)
[30] CN (201910361879.5) 2019-04-30

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[51] **Int.Cl. B08B 9/46 (2006.01) B65G 1/04 (2006.01) B65G 1/137 (2006.01) B65G 43/08 (2006.01) G01N 21/90 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR IMAGING CONTAINERS**
[54] **APPAREIL ET PROCEDE D'IMAGERIE DE RECIPIENTS**
[72] CLANCY, TOM, GB
[72] POPOV, IVAYLO, GB
[72] MAKRIS, CHRISTOS, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2021-10-28
[86] 2020-04-28 (PCT/EP2020/061798)
[87] (WO2020/221767)
[30] GB (1906157.1) 2019-05-02

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[51] **Int.Cl. B61D 7/16 (2006.01) B61D 7/02 (2006.01) B65D 88/28 (2006.01)**
[25] EN
[54] **RAILROAD HOPPER CAR STRUCTURE AND GATE THEREFOR**
[54] **STRUCTURE DE WAGON-TREMIE DE CHEMIN DE FER ET PORTE ASSOCIEE**
[72] POWIDAJKO, ELLIOT, CA
[72] VEIT, OLIVER M., CA
[72] BIS, TOMASZ, CA
[72] NATT, HARINDER SINGH, CA
[72] YAH, ZIJIAN, CA
[71] NATIONAL STEEL CAR LIMITED, CA
[85] 2021-10-28
[86] 2020-04-29 (PCT/CA2020/050568)
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[30] US (62/840,166) 2019-04-29

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[51] **Int.Cl. B61D 7/02 (2006.01) B61D 7/16 (2006.01) B65D 88/28 (2006.01)**
[25] EN
[54] **RAILROAD HOPPER CAR WITH FLOW THROUGH STRUCTURE**
[54] **WAGON-TREMIE DE CHEMIN DE FER DOTE D'UNE STRUCTURE A ECOULEMENT CONTINU**
[72] VEIT, OLIVER M., CA
[72] BLACK, KENNETH WAYNE, CA
[71] NATIONAL STEEL CAR LIMITED, CA
[85] 2021-10-28
[86] 2020-04-29 (PCT/CA2020/050569)
[87] (WO2020/220129)
[30] US (62/840,166) 2019-04-29
[30] US (62/909,298) 2019-10-02

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[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/496 (2006.01)**
[25] EN
[54] **NOVEL OXALYL PIPERAZINES ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)**
[54] **NOUVELLES OXALYL PIPERAZINES ACTIVES CONTRE LE VIRUS DE L'HEPATITE B (VHB)**
[72] BONSMANN, SUSANNE, DE
[72] DONALD, ALASTAIR, DE
[72] URBAN, ANDREAS, DE
[72] GOLDNER, THOMAS, DE
[72] PERICAS BRONDO, MIQUEL ANGEL, ES
[72] BARRIOS, ESTHER ALZA, ES
[72] DETTA, ELENA, DE
[72] RAYMOND, JUSTINE, DE
[71] AICURIS GMBH & CO. KG, DE
[85] 2021-10-28
[86] 2020-04-29 (PCT/EP2020/061920)
[87] (WO2020/221811)
[30] EP (19172008.5) 2019-04-30
[30] EP (19172402.0) 2019-05-02

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[51] **Int.Cl. A61L 2/28 (2006.01) A61H 33/00 (2006.01) A61L 2/03 (2006.01) E04H 4/14 (2006.01)**
[25] EN
[54] **WATER SANITATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSAINISSEMENT D'EAU**
[72] AMENDT, DARCY, CA
[71] SPA LOGIC, INC., CA
[85] 2021-10-28
[86] 2020-04-29 (PCT/CA2020/050570)
[87] (WO2020/220130)
[30] US (62/840,012) 2019-04-29

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[13] A1
[51] **Int.Cl. C21D 1/18 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) B33Y 40/20 (2020.01) B22F 3/105 (2006.01) B22F 3/15 (2006.01) B22F 3/22 (2006.01) C22C 33/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01)**
[25] EN
[54] **STEEL MATERIAL AND METHOD FOR MANUFACTURING IT**
[54] **MATERIAU DE TYPE ACIER SOUS FORME PULVERULENTE ET PROCEDE DE PRODUCTION CORRESPONDANT**
[72] AUMAYR, CHRISTIN, AT
[72] LEITNER, HARALD, AT
[71] VOESTALPINE BOHLER EDELSTAHL GMBH & CO KG, AT
[85] 2021-10-28
[86] 2020-04-29 (PCT/EP2020/061922)
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[13] A1
[51] **Int.Cl. B65D 3/22 (2006.01) B65D 3/06 (2006.01) B65D 3/14 (2006.01)**
[25] EN
[54] **CONTAINER WITH PAPERBOARD OUTER LAYER AND THIN PLASTIC FOIL INNER LAYER**
[54] **RECIPIENT DOTE D'UNE COUCHE EXTERNE EN CARTON ET D'UNE FINE COUCHE INTERNE EN FEUILLE PLASTIQUE**
[72] MIKKELSEN, KASPER, DK
[71] BERRY SUPERFOS RANDERS A/S, DK
[85] 2021-10-28
[86] 2020-04-29 (PCT/EP2020/061947)
[87] (WO2020/221825)
[30] DK (PA 2019 70272) 2019-04-29

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4162 (2006.01) A61K 31/4188 (2006.01) A61K 31/42 (2006.01) C07D 471/18 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **NOVEL PHENYL AND PYRIDYL UREAS ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)**
[54] **NOUVELLES UREES DE PHENYLE ET DE PYRIDYLE ACTIVES CONTRE LE VIRUS DE L'HEPATITE B (VHB)**
[72] BONSMANN, SUSANNE, DE
[72] DONALD, ALASTAIR, DE
[72] KLENKE, BURKHARD, DE
[72] URBAN, ANDREAS, DE
[72] SPRINGER, JASPER, NL
[71] AICURIS GMBH & CO. KG, DE
[85] 2021-10-28
[86] 2020-04-29 (PCT/EP2020/061930)
[87] (WO2020/221816)
[30] EP (19172007.7) 2019-04-30
[30] EP (19172401.2) 2019-05-02

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4162 (2006.01) A61K 31/4188 (2006.01) A61K 31/42 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **NOVEL INDOLIZINE-2-CARBOXAMIDES ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)**
[54] **NOUVEAUX INDOLIZINE-2-CARBOXAMIDES ACTIFS CONTRE LE VIRUS DE L'HEPATITE B (VHB)**
[72] BONSMANN, SUSANNE, DE
[72] DONALD, ALASTAIR, DE
[72] URBAN, ANDREAS, DE
[72] SPRINGER, JASPER, NL
[72] DETTA, ELENA, DE
[71] AICURIS GMBH & CO. KG, DE
[85] 2021-10-28
[86] 2020-04-29 (PCT/EP2020/061946)
[87] (WO2020/221824)
[30] EP (19172002.8) 2019-04-30
[30] EP (19172396.4) 2019-05-02

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[51] **Int.Cl. A61B 5/06 (2006.01) A61B 34/20 (2016.01) A61B 5/00 (2006.01) A61B 17/22 (2006.01) A61B 17/24 (2006.01)**
[25] EN
[54] **BALLOON DILATION DEVICE**
[54] **DISPOSITIF DE DILATATION DE BALLONNET**
[72] MUCHA, DIRK, DE
[72] DESINGER, KAI, DE
[72] NORMAN, NICHOLAS, US
[71] INTERSECT ENT INTERNATIONAL GMBH, DE
[85] 2021-10-28
[86] 2020-04-30 (PCT/EP2020/062083)
[87] (WO2020/221882)
[30] US (62/842,025) 2019-05-02
[30] US (62/844,922) 2019-05-08
[30] US (62/888,631) 2019-08-19
[30] EP (19192372.1) 2019-08-19

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[51] **Int.Cl. G16H 20/00 (2018.01) G16H 10/60 (2018.01) G16H 20/10 (2018.01) G16H 20/70 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING PERSONALISED MEDICINE TO A PATIENT**
[54] **PROCEDES ET SYSTEMES D'ADMINISTRATION DE MEDICAMENT PERSONNALISE A UN PATIENT**
[72] GOLDSMITH, PAUL, GB
[72] YADI, HAKIM ADAM, GB
[72] RICHARDS, ANDREW JOHN MCGLASHAN, GB
[72] SARTAIN, FELICITY KATE, GB
[72] COX, DAVID, GB
[72] O'REGAN, DAVID, GB
[71] CLOSED LOOP MEDICINE LTD, GB
[85] 2021-10-28
[86] 2020-04-27 (PCT/GB2020/051027)
[87] (WO2020/221993)
[30] US (62/841,967) 2019-05-02

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[51] **Int.Cl. B33Y 70/00 (2020.01) B29C 64/153 (2017.01) B33Y 70/10 (2020.01) B22F 3/10 (2006.01) C04B 35/00 (2006.01) C08L 25/06 (2006.01) C08L 77/00 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING POWDERS WITH IMPROVED PHYSICAL CHARACTERISTICS, METHOD OF MANUFACTURE AND USE THEREOF**
[54] **POUDRES DE FABRICATION ADDITIVE PRESENTANT DES CARACTERISTIQUES PHYSIQUES AMELIOREES, ET LEUR PROCEDE DE FABRICATION ET D'UTILISATION**
[72] CAUCHY, XAVIER, CA
[72] RAHMA, HAKIM, CA
[71] TEKNA PLASMA SYSTEMS INC., CA
[85] 2021-10-28
[86] 2020-05-01 (PCT/CA2020/050590)
[87] (WO2020/220143)
[30] US (62/842,050) 2019-05-02

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[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **REBAMIPIDE FOR USE IN PREVENTION AND/OR TREATMENT OF SYNUCLEINOPATHIES**
[54] **REBAMIPIDE DESTINE A ETRE UTILISE DANS LA PREVENTION ET/OU LE TRAITEMENT DE SYNUCLEINOPATHIES**
[72] DANEK, IVAN, CZ
[71] SQUARE POWER LTD, GB
[85] 2021-10-28
[86] 2020-04-30 (PCT/EP2020/062120)
[87] (WO2020/221892)
[30] EP (19020318.2) 2019-04-30

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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/42 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] KABIRAT, JUNIOR, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2021-10-28
[86] 2020-05-01 (PCT/GB2020/051072)
[87] (WO2020/225534)
[30] GB (1906279.3) 2019-05-03

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[51] **Int.Cl. G06F 16/951 (2019.01)**
[25] EN
[54] **EFFICIENT FRESHNESS CRAWL SCHEDULING**
[54] **PLANIFICATION D'INDEXATION DE RAFRAICHISSEMENT EFFICACE**
[72] KOLOBOV, ANDREY, US
[72] LU, CHENG, US
[72] HORVITZ, ERIC J., US
[72] PERES, YUVAL, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2021-10-28
[86] 2020-03-17 (PCT/US2020/023056)
[87] (WO2020/236250)
[30] US (16/419,985) 2019-05-22

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) H05K 1/18 (2006.01) H05K 3/30 (2006.01) H05K 3/32 (2006.01)**
[25] EN
[54] **ELECTRONIC MODULE FOR MEDICAL DEVICE**
[54] **MODULE ELECTRONIQUE POUR DISPOSITIF MEDICAL**
[72] ROCHE, JAMES, IE
[72] CALDERON OLIVERAS, ENRIQUE, ES
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2021-10-28
[86] 2020-05-01 (PCT/EP2020/062207)
[87] (WO2020/221925)
[30] GB (1906143.1) 2019-05-01

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[51] **Int.Cl. C07D 405/02 (2006.01) A61K 31/351 (2006.01) A61P 31/04 (2006.01) C07D 309/10 (2006.01) C07D 405/10 (2006.01) C07F 5/04 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] BISHOP, MICHAEL JOSEPH, US
[72] JANETKA, JAMES WALTER, US
[72] MCGRANE, LAUREL KATHRYN, US
[72] STEWART, EUGENE LEE, US
[72] WIDDOWSON, KATHERINE LOUISA, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[71] FIMBRION THERAPEUTICS, INC, US
[85] 2021-10-28
[86] 2020-05-06 (PCT/EP2020/062501)
[87] (WO2020/225273)
[30] US (62/844,215) 2019-05-07

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[13] A1
[51] **Int.Cl. B29C 64/106 (2017.01) C09D 11/101 (2014.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) B29C 64/118 (2017.01) B29C 64/124 (2017.01) C09D 175/08 (2006.01) C09D 175/16 (2006.01) G03F 7/00 (2006.01)**
[25] EN
[54] **RADIATION CURABLE POLYMERS**
[54] **POLYMERES DURCISSABLES PAR RAYONNEMENT**
[72] LANAU, SEBASTIEN, DE
[72] GUTACKER, ANDREA, DE
[72] KLEIN, JOHANN, DE
[72] MECKEL-JONAS, CLAUDIA, DE
[72] DUNEKAKE, RALF, DE
[72] BONIGUT, MARKUS, DE
[71] HENKEL AG & CO. KGAA, DE
[85] 2021-10-28
[86] 2020-05-08 (PCT/EP2020/062829)
[87] (WO2020/229332)
[30] EP (19174114.9) 2019-05-13

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[51] **Int.Cl. B01D 15/18 (2006.01) B01D 15/22 (2006.01) B01D 15/26 (2006.01) B01J 20/24 (2006.01) B01J 20/28 (2006.01) G01N 30/60 (2006.01)**
[25] EN
[54] **A CHROMATOGRAPHY DEVICE**
[54] **UN DISPOSITIF DE CHROMATOGRAPHIE**
[72] SUBRATTY, SHAMEER, GB
[72] GEBAUER, KLAUS, SE
[72] SENGUPTA, ANINDYA, IN
[72] VENNA, ANJI, GB
[72] HJORTER, HANNES, SE
[72] PINNOCK, ADAM, GB
[72] STANKOWSKI, RALPH, US
[71] PURIDIFY LTD, GB
[85] 2021-10-28
[86] 2020-05-12 (PCT/EP2020/063132)
[87] (WO2020/229447)
[30] IN (201911019289) 2019-05-15

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[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **LYMPHOTOXIN ALPHA FOR USE IN THERAPY OF MYELOID LEUKEMIA**
[54] **LYMPHOTOXINE ALPHA POUR L'UTILISATION DANS LA THERAPIE DE LA LEUCEMIE MYELOIDE**
[72] JOST, PHILIPP J., DE
[72] HOCKENDORF, ULRIKE, DE
[71] KLINIKUM RECHTS DER ISAR DER TECHNISCHEN UNIVERSITAT MUNCHEN, DE
[85] 2021-10-28
[86] 2020-05-15 (PCT/EP2020/063609)
[87] (WO2020/229660)
[30] EP (19174964.7) 2019-05-16

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/02 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING NEUROPATHY**
[54] **ANTAGONISTES DU SYSTEME DU COMPLEMENT A UTILISER DANS DES PROCEDES DE TRAITEMENT DE NEUROPATHIES A PARAPROTEINES**
[72] BLANCHETOT, CHRISTOPHE, BE
[72] BUDDING, KEVIN, NL
[72] HACK, ERIK, NL
[72] SILENCE, KAREN, BE
[72] VAN DE WALLE, INGE, BE
[72] VAN DER POL, LUDO, NL
[72] BOROSS, PETER, NL
[71] ARGENX BVBA, BE
[85] 2021-10-28
[86] 2020-05-21 (PCT/EP2020/064234)
[87] (WO2020/234432)
[30] GB (1907153.9) 2019-05-21

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[51] **Int.Cl. A01G 9/14 (2006.01) A01G 9/24 (2006.01) A01G 17/00 (2006.01) A01G 31/06 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **GROWING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CULTURE**
[72] WHELAN, MATTHEW, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2021-10-28
[86] 2020-05-22 (PCT/EP2020/064259)
[87] (WO2020/234444)
[30] GB (1907248.7) 2019-05-22

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[13] A1
[51] **Int.Cl. F28D 5/02 (2006.01)**
[25] EN
[54] **FLASH CLOSED HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR FERME A EVAPORATION**
[72] YANG, JIANGUO, CN
[72] ZHOU, CHENGJUN, CN
[72] KANG, JIANHUI, CN
[72] XIE, WEIBO, CN
[72] CAO, WENJIE, CN
[72] MAO, TONGQIN, CN
[72] ZHAO, HUI, CN
[72] HAO, LIXUAN, CN
[71] JINGKELUN REFRIGERATION EQUIPMENT CO., LTD., CN
[85] 2021-10-28
[86] 2020-04-16 (PCT/CN2020/085059)
[87] (WO2020/228474)
[30] CN (201910407748.6) 2019-05-16
[30] CN (201910663396.0) 2019-07-22

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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **ANTIBODY DRUG CONJUGATES WITH CLEAVABLE LINKERS**
[54] **CONJUGUES ANTICORPS-MEDICAMENT POURVUS DE LIEURS CLIVABLES**
[72] MUELLER, CHRISTOPH, DE
[72] SIMON, WERNER, DE
[72] WERNER-SIMON, SUSANNE, DE
[72] GALLO, FRANCESCA, DE
[72] HECHLER, TORSTEN, DE
[72] KULKE, MICHAEL, DE
[72] PAHL, ANDREAS, DE
[71] HEIDELBERG PHARMA RESEARCH GMBH, DE
[85] 2021-10-28
[86] 2020-05-22 (PCT/EP2020/064298)
[87] (WO2020/234461)
[30] EP (19176278.0) 2019-05-23

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[13] A1
[51] **Int.Cl. H04W 4/02 (2018.01) H04W 64/00 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE LOCATION DETERMINING METHOD AND DEVICE**
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[72] LI, HE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CRISTALLISATION D'UN MIMETIQUE DE SMAC UTILISE EN TANT QU'INHIBITEUR D'IAP ET SON PROCEDE DE PREPARATION**
[72] LIU, YINGCHUN, CN
[72] XU, ZHAOBING, CN
[72] HU, LIHONG, CN
[72] DING, CHARLES Z., CN
[72] ZHU, XINGXUN, CN
[72] CHEN, SHUHUI, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
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[54] **ANTIBODYAGAINST CLAUDIN 18A2 AND USE THEREOF**
[54] **ANTICORPS DIRIGE CONTRE LA CLAUDINE 18A2 ET SON UTILISATION**
[72] YANG, YINGYING, CN
[72] LI, GAO, CN
[72] WANG, YANING, CN
[72] AN, ZHENMING, CN
[72] ZHAO, SHUYONG, CN
[72] LIU, YUXUE, CN
[72] LIU, SHICONG, CN
[72] ZHANG, MEIJUAN, CN
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[71] QILU PHARMACEUTICAL CO., LTD., CN
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[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**
[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**
[72] ZHOU, ZUWEN, CN
[72] XU, HUA, CN
[72] RONG, YUE, CN
[72] CHEN, LING, CN
[72] CHEN, ZHIFANG, CN
[72] TAN, RUI, CN
[72] YANG, LIJUN, CN
[72] WANG, XIANLONG, CN
[72] TAN, HAOHAN, CN
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[72] ZHOU, CHENGLIN, CN
[72] GAO, YUWEI, CN
[72] JIANG, LIHUA, CN
[72] LIN, SHU, US
[72] ZHAO, XINGDONG, CN
[72] WANG, WEIBO, US
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[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN
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[54] **DISPOSITIF DE REPOSE-PIEDS POUR CANAPES-LITS**
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[71] ALTAFLEX S.R.L., IT
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[54] **MOTEUR ROTATIF A COMBUSTION INTERNE**
[72] MUNOZ SAIZ, MANUEL, ES
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[54] **MEDIA CONTENT PROVISION IN A COMPUTER NETWORK**
[54] **FOURNITURE DE CONTENU MULTIMEDIA DANS UN RESEAU INFORMATIQUE**
[72] BILLGREN, JOHAN, SE
[72] ROGERS, KATIE, SE
[72] LINDFORS, MICHAEL, SE
[72] JIMENEZ DE LUIS, JUAN IGNACIO, SE
[71] ACAST AB (PUBL), SE
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[54] **SYSTEM FOR HANDLING SENSITIVE PRODUCTS, IN PARTICULAR PACKAGING SYSTEM**
[54] **DISPOSITIF DE MANIPULATION DE PRODUITS SENSIBLES, NOTAMMENT DISPOSITIF DE CONDITIONNEMENT**
[72] METZGER, SIMON, DE
[72] MARTIN, DAVID, GB
[72] HAAG, HEIKO, DE
[72] GRAF, SEBASTIAN, DE
[72] WOOD, NIGEL, GB
[71] SYNTEGON TECHNOLOGY GMBH, DE
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[54] **TRANSFORMATEUR HYPERFREQUENCE ET SON SYSTEME DE FABRICATION**
[72] LILJA, JUHA, FI
[71] STEALTHCASE OY, FI
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[54] **ENVELOPPE DE CELLULOSE, PROCEDE D'OBTENTION DE CELLE-CI ET PRODUIT CONTENU DANS LADITE ENVELOPPE**
[72] GARCIA MARTINEZ, ION INAKI, ES
[72] RAZQUIN ONGAY, ALFONSO, ES
[72] JIMENEZ FUENTES, JOANA, ES
[72] LONGO ARESO, CARLOS MARIA, ES
[71] VISCOFAN, S.A., ES
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[54] **INHALER SYSTEM**
[54] **SYSTEME D'INHALATEUR**
[72] MILTON-EDWARDS, MARK, GB
[72] SAFIOTI, GUILHERME, SE
[72] GRANOVSKY, LENA, IL
[72] REICH, MICHAEL, IL
[71] NORTON (WATERFORD) LIMITED, IE
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[54] **PANIER INTELLIGENT A THEME POUR ACHATS EN LIGNE**
[72] SHUPARSKY, TONY, CA
[72] O'HAGAN, SEAN, CA
[71] MERCATUS TECHNOLOGIES INC., CA
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[54] **FLACONS ET ENSEMBLES FLACONS A BASSE TEMPERATURE**
[72] FOLTA, CHRISTOPHER M., US
[72] ASSELTA, ROGER P., US
[71] JANSSEN BIOTECH, INC., US
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[54] **DIGESTEUR ANAEROBIE ET INSTALLATION DE TRAITEMENT DE BIOGAZ MOBILE**
[72] MANN, CHRISTOPHER, GB
[72] HAGUE, MATTHEW JOHN, GB
[72] BRADSHAW, THOMAS WILLIAM, GB
[71] BENNAMANN SERVICES LTD., GB
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[54] **SYSTEME D'INHALATEUR**
[72] MILTON-EDWARDS, MARK, GB
[72] SAFIOTI, GUILHERME, SE
[72] GRANOVSKY, LENA, IL
[72] REICH, MICHAEL, IL
[71] NORTON (WATERFORD) LIMITED, IE
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[54] **ROTOR FOR A WASTE GRINDING APPARATUS AND WASTE GRINDING APPARATUS INCORPORATING SAID ROTOR**
[54] **ROTOR POUR APPAREIL DE BROYAGE DE DECHETS ET APPAREIL DE BROYAGE DE DECHETS INCORPORANT LEDIT ROTOR**
[72] GHIRARDI, SIMONE, IT
[71] WASTE PROCESSING TECHNOLOGIES SRL, IT
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[72] SAFIOTI, GUILHERME, SE
[72] GRANOVSKY, LENA, IL
[72] REICH, MICHAEL, IL
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[72] JAMOLETTI, FRANCESCO, IT
[71] JAMOLETTI, FRANCESCO, IT
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[72] GHIRARDI, SIMONE, IT
[71] WASTE PROCESSING TECHNOLOGIES SRL, IT
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[54] **MODULATION DES CANAUX IONIQUES COMME PROCEDE DE TRAITEMENT DE TUMEURS PAR ACTIVATION D'INFLAMMASOME(S)**
[72] HILL MONGABURE, MARCELO, UY
[72] RUSSO ROSSI, SOFIA, UY
[72] SEGOVIA DUARTE, MERCEDES, UY
[72] INES VARELA VEGA, MARIA, UY
[72] OPPEZZO LLORENS, PABLO, UY
[71] INSTITUT PASTEUR DE MONTEVIDEO, UY
[71] UNIVERSITY OF THE REPUBLIC, UY
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[54] **COMPOSITIONS DE PROTECTION DES CULTURES**
[72] GLICK, EITAN, IL
[72] SHUB, IFAT, IL
[72] PHILLIP, YAEL, IL
[72] GEVA, YOSEF, IL
[71] AGREMATCH LTD., IL
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[54] **SYSTEME DE COMMANDE DE VEHICULE**
[72] ISHII, HIROTAKE, JP
[72] HAMADA, TOMOYUKI, JP
[72] ISHIMOTO, HIDEFUMI, JP
[72] KIRIMURA, AKIYOSHI, JP
[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
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[54] **STUDY MATERIAL FOR NATIVE SPEAKER PRONUNCIATION BY BEGINNERS IN ENGLISH, AND ENGLISH STUDY METHOD USING SAME**
[54] **MATERIEL D'ETUDE POUR LA PRONONCIATION D'UN LOCUTEUR NATIF PAR DES DEBUTANTS EN ANGLAIS, ET METHODE D'ETUDE DE L'ANGLAIS UTILISANT CELUI-CI**
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[71] KIM, JUNG JA, KR
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[54] **COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE LA CHUTE DES CHEVEUX COMPRENANT HAPLN1**
[72] KIM, DAE KYONG, KR
[72] HA, HAE CHAN, KR
[72] JANG, JI MIN, KR
[72] SHIN, IN CHUL, KR
[72] BACK, MOON JUNG, KR
[72] ZHOU, DAN, KR
[71] HAPLNSCIENCE INC., KR
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[54] **DISPOSITIFS ET SYSTEMES D'EMPILEMENT DE CHARGEMENT**
[72] CLAPSON, DAVID EDWARD, NZ
[71] MAXILODA LIMITED, NZ
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[54] **DISPOSITIF ET PROCEDE D'EXTRUSION ET/OU DE PULTRUSION**
[72] JANSSON KRAGH, MARK, SE
[71] RELIEFED AB, SE
[85] 2021-10-28
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[25] EN
[54] **COMBINATION THERAPIES COMPRISING APREMILAST AND TYK2 INHIBITORS**
[54] **POLYTHERAPIES COMPRENANT DE L'APREMILAST ET DES INHIBITEURS DE TYK2**
[72] SCHAFER, PETER HENRY, US
[72] PLENGE, ROBERT, US
[72] ADAMS, MARY, US
[72] BEEBE, LISA, US
[72] BUCHWALTER, GILLES, US
[72] CARR, TIFFANY, US
[72] TZENG, TE-CHEN, US
[71] CELGENE CORPORATION, US
[85] 2021-10-28
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[25] EN
[54] **DENTAL DEVICE FOR RIDGE PRESERVATION AND PROMOTION OF JAW BONE REGENERATION IN AN EXTRACTION SITE**
[54] **DISPOSITIF DENTAIRE POUR PRESERVER LA CRETE ET FAVORISER LA REGENERATION OSSEUSE DE LA MACHOIRE DANS UN SITE D'EXTRACTION**
[72] RUETZE, MARTIN, DE
[72] KARAZIVAN, NAIM, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[71] DENTSPLY SIRONA INC., US
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[54] **SLEEP PHASE DEPENDENT PRESSURE CONTROL AND LEARNING METHODS TO OPTIMIZE SLEEP QUALITY**
[54] **REGLAGE DE PRESSION DEPENDANT DE LA PHASE DE SOMMEIL ET PROCEDES D'APPRENTISSAGE POUR OPTIMISER LA QUALITE DU SOMMEIL**
[72] TSERN, ELY, US
[72] FARRINGDON, JONATHAN, US
[72] TOMPANE, JOHN, US
[72] HAMAL, ADAM, US
[72] HANDEL, MARK, US
[71] BRYTE, INC., US
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[54] **EXTRACHROMOSOMAL DNA IDENTIFICATION AND METHODS OF USE**
[54] **IDENTIFICATION D'ADN EXTRACHROMOSOMIQUE ET METHODES D'UTILISATION**
[72] WEI, CHIA-LIN, US
[72] WONG, CHEE HONG, US
[72] TJONG, HARIANTO, US
[72] VERHAAK, ROEL, US
[71] THE JACKSON LABORATORY, US
[85] 2021-10-28
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[54] **ZERO-WALL CLEARANCE LINKAGE MECHANISM WITH POWER SEAT DRIVE**
[54] **MECANISME ARTICULE SANS DEGAGEMENT DE PAROI, AVEC ENTRAINEMENT DE SIEGE A REGLAGE ELECTRIQUE**
[72] CRAWFORD, CHESTON BRETT, US
[72] CRUM, MICHAEL ANDREW, US
[71] L&P PROPERTY MANAGEMENT COMPANY, US
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[54] **HIGH-DENSITY OPTICAL DATA RECORDING**
[54] **ENREGISTREMENT DE DONNEES OPTIQUES HAUTE DENSITE**
[72] BLACK, RICHARD JOHN, US
[72] ANDERSON, PATRICK NEIL, US
[72] DREVINSKAS, ROKAS, US
[72] DONNELLY, AUSTIN NICHOLAS, US
[72] WILLIAMS, HUGH DAVID PAUL, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **METHODS AND SYSTEMS FOR ACCESSING REMOTELY STORED FILES USING VIRTUAL APPLICATIONS**
[54] **PROCEDES ET SYSTEMES POUR ACCEDER A DES FICHIERS MEMORISES A DISTANCE A L'AIDE D'APPLICATIONS VIRTUELLES**
[72] MOMCHILOV, GEORGY, US
[72] INGALE, MUKUND, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-10-28
[86] 2020-03-23 (PCT/US2020/024180)
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[25] EN
[54] **METHODS AND SYSTEMS FOR ACCESSING REMOTELY STORED FILES USING VIRTUAL APPLICATIONS**
[54] **PROCEDES ET SYSTEMES POUR ACCEDER A DES FICHIERS STOCKES A DISTANCE EN UTILISANT DES APPLICATIONS VIRTUELLES**
[72] MOMCHILOV, GEORGY, US
[72] INGALE, MUKUND, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-10-28
[86] 2020-03-23 (PCT/US2020/024181)
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[54] **LESS CORROSIVE ORGANOMOLYBDENUM COMPOUNDS AS LUBRICANT ADDITIVES**
[54] **COMPOSES D'ORGANOMOLYBDENE MOINS CORROSIFS UTILISES COMME ADDITIFS POUR LUBRIFIANTS**
[72] CASEY, BRIAN M., US
[72] GATTO, VINCENT J., US
[71] VANDERBILT CHEMICALS, LLC, US
[85] 2021-10-28
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[54] **SYSTEM AND METHOD FOR MANAGING LIQUID WASTE**
[54] **SYSTEME ET PROCEDE DE GESTION DES DECHETS LIQUIDES**
[72] COMBS, DAVID H., US
[72] BAKER, AYRA, US
[72] HAGEN, NORBERT D., US
[72] BUSE, DAVID A., US
[71] GEN-PROBE INCORPORATED, US
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[54] **COILED TUBING TRAILER**
[54] **REMORQUE DE TUBE SPIRALE**
[72] LU, MIKE XIAOLEI, US
[72] WELK, JOSEPH, US
[71] NATIONAL OILWELL VARCO, L.P., US
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[54] **PHARMACEUTICAL COMPOSITIONS FOR TREATING PRESBYOPIA AND METHODS FOR FABRICATING THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE LA PRESBYTIE ET LEURS PROCEDES DE FABRICATION**
[72] SAADEH, DENNIS ELIAS, US
[71] HARROW IP, LLC, US
[85] 2021-10-28
[86] 2020-04-24 (PCT/US2020/029909)
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[54] **METHODS AND REAGENTS FOR CLEAVAGE OF THE N-TERMINAL AMINO ACID FROM A POLYPEPTIDE**
[54] **PROCEDES ET REACTIFS POUR LE CLIVAGE DE L'ACIDE AMINE N-TERMINAL D'UN POLYPEPTIDE**
[72] GUNDERSON, KEVIN L., US
[72] HUANG, FEI, US
[72] JAMES, ROBERT C., US
[72] MONFREGOLA, LUCA, US
[72] VERESPY III, STEPHEN, US
[72] ZHOU, ERIC CUNYU, US
[71] ENCODIA, INC., US
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[54] **NON-ROTATABLE SHAFT/HUB CONNECTION**
[54] **RACCORD ARBRE/MOYEU NON ROTATIF**
[72] MAGGARD, JAY E., US
[71] MTD PRODUCTS INC, US
[85] 2021-10-28
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[54] **FIBROBLAST CELL THERAPY FOR TREATMENT OF OSTEOPOROSIS**
[54] **THERAPIE CELLULAIRE PAR FIBROBLASTES POUR LE TRAITEMENT DE L'OSTEOPOROSE**
[72] O'HEERON, PETE, US
[72] ICHIM, THOMAS, US
[71] FIGENE, LLC, US
[85] 2021-10-28
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[54] **SYSTEM, METHOD AND APPARATUS FOR RESTRICTING USE OF A NETWORK DEVICE THROUGH AUTOMATED POLICY ENFORCEMENT**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR RESTREINDRE L'UTILISATION D'UN DISPOSITIF DE RESEAU PAR APPLICATION DE POLITIQUES AUTOMATISEE**
[72] MCKEFFERY, DONALD, US
[72] THEIL, FREDERICK, US
[72] PATEL, HIMANSHU, US
[71] NOCELL TECHNOLOGIES, LLC, US
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[54] **DEGRADATION OF AURORA KINASE (AURK) BY CONJUGATION OF AURK INHIBITORS WITH E3 LIGASE LIGAND**
[54] **DEGRADATION DE L'AURORA KINASE (AURK) PAR CONJUGAISON D'INHIBITEURS DE L'AURK AVEC UN LIGAND DE LIGASE E3**
[72] COLEMAN, TIMOTHY PATRICK, US
[71] NEMUCORE MEDICAL INNOVATIONS, INC., US
[85] 2021-10-28
[86] 2020-04-30 (PCT/US2020/030663)
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[54] **SMART LOCALIZED CONTROL NODE DEVICES AND SYSTEMS FOR ADAPTIVE AVIONICS APPLICATIONS**
[54] **DISPOSITIFS ET SYSTEMES DE N□UD DE COMMANDE LOCALISEE INTELLIGENT POUR APPLICATIONS AVIONIQUES ADAPTATIVES**
[72] SALMI, BRYCE, US
[72] PEARCE, BRANDON, US
[71] RELATIVITY SPACE, INC., US
[85] 2021-10-28
[86] 2020-04-29 (PCT/US2020/030457)
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[30] US (62/841,038) 2019-04-30

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[54] **METHOD FOR PICTURE OUTPUT WITH OUTPUT LAYER SET**
[54] **PROCEDE DE SORTIE D'IMAGE AVEC UN ENSEMBLE COUCHES DE SORTIE**
[72] CHOI, BYEONGDOO, US
[72] LIU, SHAN, US
[72] WENGER, STEPHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-28
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[25] EN
[54] **PROBIOTIC BACTERIAL STRAINS THAT PRODUCE SHORT CHAIN FATTY ACIDS AND COMPOSITIONS COMPRISING SAME**
[54] **SOUCHES BACTERIENNES PROBIOTIQUES PRODUISANT DES ACIDES GRAS A CHAINE COURTE ET COMPOSITIONS LES COMPRENANT**
[72] JANUSZ, MICHAEL JOHN, US
[72] PLECHATY, ANNA MALGORZATA, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[86] 2020-04-28 (PCT/US2020/030175)
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[30] US (62/841,385) 2019-05-01

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[25] EN
[54] **MICRONEEDLE ARRAYS WITH UNDERCUT FEATURES FOR CUTANEOUS AND NON-CUTANEOUS DRUG DELIVERY**
[54] **RESEAUX DE MICROAIGUILLES AYANT DES CARACTERISTIQUES DE CONTRE-DEPOUILLE POUR L'ADMINISTRATION CUTANEE ET NON CUTANEE DE MEDICAMENTS**
[72] FALO, LOUIS D., US
[72] KORKMAZ, EMRULLAH, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2021-10-28
[86] 2020-05-15 (PCT/US2020/033235)
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[25] EN
[54] **ENDOSCOPIC PATCH APPLICATOR**
[54] **APPLICATEUR DE TIMBRE ENDOSCOPIQUE**
[72] KING, JOSEPH W., US
[72] SAENZ VILLALOBOS, GONZALO JOSE, CR
[72] FAVREAU, JOHN T., US
[72] LYDECKER, LAUREN S., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030207)
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[54] **METHODS FOR TREATMENT OF SUBJECTS WITH PREEXISTING IMMUNITY TO VIRAL TRANSFER VECTORS**
[54] **METHODES DE TRAITEMENT DE SUJETS PRESENTANT UNE IMMUNITE PREEXISTANTE A DES VECTEURS DE TRANSFERT VIRAUX**
[72] KISHIMOTO, TAKASHI KEI, US
[72] ILYINSKII, PETR, US
[71] SELECTA BIOSCIENCES, INC., US
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030217)
[87] (WO2020/223205)
[30] US (62/839,771) 2019-04-28
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[54] **MULTIVALENT PD-L1 BINDING COMPOUNDS FOR TREATING CANCER**
[54] **COMPOSES MULTIVALENTS SE LIANT A PD-L1 PERMETTANT DE TRAITER UN CANCER**
[72] BARRY, MICHAEL A., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030240)
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[54] **DRY POWDER COMPOSITIONS OF TREPROSTINIL PRODRUGS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE POUDRE SECHE DE PROMEDICAMENTS DE TREPROSTINIL ET METHODES D'UTILISATION DE CELLES-CI**
[72] DU, JU, US
[72] PLAUNT, ADAM, US
[72] MALININ, VLADIMIR, US
[71] INSMED INCORPORATED, US
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[86] 2020-04-28 (PCT/US2020/030282)
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[54] **ISOLATION POLYMER PACKER**
[54] **GARNITURE D'ETANCHEITE POLYMERE ISOLANTE**
[72] AL-MULHEM, ABDULRAHMAN ABDULAZIZ, SA
[72] ALMOHSIN, AYMAN MOHAMMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030287)
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[54] **FORMATION DE MINERAUX DANS DES FRACTURES DANS UNE FORMATION GEOLOGIQUE**
[72] SCHIPPER, DESMOND, US
[72] HULL, KATHERINE LEIGH, US
[72] HAQUE, MOHAMMAD HAMIDUL, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030290)
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[30] US (16/397,710) 2019-04-29

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/25 (2006.01) F01D 25/30 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **SINGLE-TRANSPORT MOBILE ELECTRIC POWER GENERATION**
[54] **GENERATION D'ENERGIE ELECTRIQUE MOBILE A TRANSPORT UNIQUE**
[72] MORRIS, JEFFREY G., US
[72] VANN, BRETT, US
[71] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
[85] 2021-10-28
[86] 2020-04-28 (PCT/US2020/030306)
[87] (WO2020/223256)
[30] US (62/841,558) 2019-05-01

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[51] **Int.Cl. G02F 1/15 (2019.01) E06B 3/67 (2006.01) G02F 1/163 (2006.01)**
[25] EN
[54] **STAGGERED DRIVING ELECTRICAL CONTROL OF A PLURALITY OF ELECTRICALLY CONTROLLABLE PRIVACY GLAZING STRUCTURES**
[54] **COMMANDE ELECTRIQUE DE PILOTAGE ECHELONNE D'UNE PLURALITE DE STRUCTURES DE VITRAGE DE CONFIDENTIALITE POUVANT ETRE COMMANDEES ELECTRIQUEMENT**
[72] SCHLEDER, NICHOLAS, US
[72] WHALEY, PETER, US
[72] BERNER, ERIC, US
[71] CARDINAL IG COMPANY, US
[85] 2021-10-28
[86] 2020-04-29 (PCT/US2020/030358)
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[25] EN
[54] **LEAKAGE CURRENT DETECTION AND CONTROL FOR ONE OR MORE ELECTRICALLY CONTROLLABLE PRIVACY GLAZING STRUCTURES**
[54] **DETECTION ET COMMANDE DE COURANT DE FUITE POUR UNE OU PLUSIEURS STRUCTURES DE VITRAGE DE CONFIDENTIALITE POUVANT ETRE COMMANDEES ELECTRIQUEMENT**
[72] SCHLEDER, NICHOLAS, US
[72] ATKURI, HARI, US
[72] DEMIGLIO, ANDREW, US
[72] EUL, MICHAEL, US
[71] CARDINAL IG COMPANY, US
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[25] EN
[54] **ATRAUMATICALLY FORMED TISSUE COMPOSITIONS, DEVICES AND METHODS OF PREPARATION AND TREATMENT**
[54] **COMPOSITIONS TISSULAIRES FORMEES DE MANIERE ATRAUMATIQUE, DISPOSITIFS ET PROCEDES DE PREPARATION ET METHODES DE TRAITEMENT**
[72] DAVENPORT, THOMAS ANDREW, US
[72] MULHAUSER, PAUL, US
[72] GUINAN, GREGORY, US
[71] TISSUEMILL TECHNOLOGIES LLC, US
[85] 2021-10-28
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[30] US (62/843,724) 2019-05-06
[30] US (62/844,232) 2019-05-07
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[25] EN
[54] **DISCONNECTOR DEVICE AND OVERVOLTAGE PROTECTION ASSEMBLY INCLUDING THE SAME**
[54] **DISPOSITIF DE DECONNEXION ET ASSEMBLAGE DE PROTECTION CONTRE LES SURTENSIONS EQUIPE DUDIT DISPOSITIF**
[72] VAN BESOUW, BASTIAAN HUBERTUS, US
[72] SWALES, PETER JAMES, US
[72] IYER, SIDHARTH SURESH, US
[72] KHATRI, MOHAMED FAYAZ SULEIMAN, US
[72] POTERALA, STEPHEN FRANKLIN, US
[72] SCHMITT, ROBERT CHRISTOPHER, US
[72] HUO, XINGNIU, US
[71] HUBBELL INCORPORATED, US
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[30] US (62/840,086) 2019-04-29
[30] US (62/933,649) 2019-11-11
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[51] **Int.Cl. C07D 239/95 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
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[54] **SUBSTITUTED PYRROLOPYRIDINES AS JAK INHIBITORS**
[54] **PYRROLOPYRIDINES SUBSTITUEES EN TANT QU'INHIBITEURS DE JAK**
[72] JACOBSEN, ERIC JON, US
[72] ANDERSON, DAVID RANDOLPH, US
[72] BLINN, JAMES ROBERT, US
[72] MUKHERJEE, PARAMITA, US
[72] CHANGELIAN, PAUL, US
[72] XU, CANXIN, US
[71] ACLARIS THERAPEUTICS, INC., US
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[30] US (62/842,197) 2019-05-02

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[54] **REAL-TIME HISTORY-BASED BYTE STREAM COMPRESSION**
[54] **COMPRESSION DE FLUX D'OCTETS BASEE SUR UN HISTORIQUE EN TEMPS REEL**
[72] DAWOOD, MUHAMMAD, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-10-28
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[30] US (16/507,739) 2019-07-10

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[25] EN
[54] **ORAL APPLIANCE HOLDER**
[54] **SUPPORT D'APPAREIL BUCCAL**
[72] CHAN, HENRY HANH, US
[72] LAUDEMAN, IRENE VINCENZA, US
[71] SMYLIO INC., US
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[54] **CANCER ASSOCIATED ANTIBODY COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'ANTICORPS ASSOCIES AU CANCER ET METHODES D'UTILISATION**
[72] BIASCI, DANIELE, GB
[72] RAKOCEVIC, GORAN, RS
[72] TOPTAS, BERKE CAGKAN, US
[72] DE SANTIAGO DOMINGOS DE JESUS, INES, GB
[71] TARGET DISCOVERY MERGER SUB II, LLC, US
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[30] US (62/840,870) 2019-04-30
[30] US (62/840,875) 2019-04-30
[30] US (62/840,880) 2019-04-30
[30] US (62/840,893) 2019-04-30
[30] US (62/840,904) 2019-04-30
[30] US (62/840,909) 2019-04-30
[30] US (62/840,917) 2019-04-30
[30] US (62/840,938) 2019-04-30
[30] US (62/840,950) 2019-04-30
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[54] **METHOD AND REAGENTS FOR TREATING MATERIALS CONTAMINATED WITH MERCURY, PFAS, OR OTHER CONTAMINANTS**
[54] **PROCEDE ET REACTIFS POUR TRAITER DES MATERIAUX CONTAMINES PAR DU MERCURE, DU PFAS OU D'AUTRES CONTAMINANTS**
[72] YOST, KARL WILLIAM, US
[72] BICKFORD, JODY, US
[71] HMR SOLUTIONS, INC., US
[85] 2021-10-28
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[25] EN
[54] **PET EVALUATION AND TRIAGE SYSTEM**
[54] **SYSTEME D'EVALUATION ET DE TRIAGE D'ANIMAUX DE COMPAGNIE**
[72] OLIVES, CASEY STEVENS, US
[72] FREIMAN, SHLOMO ELIYAHU, US
[72] FREIMAN, ALLON STERN, US
[72] FORDHAM, MATTHEW ANTHONY, US
[72] STAROSCIK, MATTHEW LEE, US
[71] PETRIAGE, INC., US
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[30] US (62/840,260) 2019-04-29
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[54] **PIPE WEIGHT COATING**
[54] **REVETEMENT DE LESTAGE DE TUYAU**
[72] LACARTE, CHRIS, CA
[72] WEGENER, STACI L., US
[72] ZANG, JIAN YING, CA
[72] CAILOUETTE, LYLE, US
[71] BASF SE, DE
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[54] **METHODS AND APPARATUS FOR UPLINK (UL) MULTIPLEXING AND PRIORITIZATION IN NEW RADIO (NR) COMMUNICATION**
[54] **PROCEDES ET APPAREIL DE MULTIPLEXAGE ET DE PRIORISATION DE LIAISON MONTANTE (UL) DANS UNE COMMUNICATION NOUVELLE RADIO (NR)**
[72] TAHERZADEH BOROUJENI, MAHMOUD, US
[72] OTERI, OGHENEKOME, US
[72] NAYEB NAZAR, SHAHROKH, US
[72] ALFARHAN, FARIS, CA
[72] MARINIER, PAUL, CA
[72] PELLETIER, GHYSLAIN, CA
[71] IDAC HOLDINGS, INC., US
[85] 2021-10-28
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[54] **POLYMORPHIC CONDUCTED ELECTRICAL WEAPON**
[54] **ARME A IMPULSIONS ELECTRIQUES POLYMORPHE**
[72] SMITH, PATRICK, US
[72] NERHEIM, MAGNE, US
[72] NEMTYSHKIN, OLEG, US
[72] ZEKANOVIC, DUBRAVKO, US
[71] AXON ENTERPRISE, INC., US
[85] 2021-10-28
[86] 2020-04-30 (PCT/US2020/030717)
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[54] **SYSTEM FOR MEASURING BREATH AND FOR ADAPTING BREATH EXERCISES**
[54] **SYSTEME DE MESURE DE RESPIRATION ET D'ADAPTATION D'EXERCICES RESPIRATOIRES**
[72] PYLYPENKO, IRENE, CA
[72] TEKELIOGLU, OSMAN ZEKI, CA
[72] DENAULT, ANNE-MARIE, CA
[71] MOON FACTORY INC., CA
[85] 2021-10-29
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[25] EN
[54] **KITS FOR DETECTING ONE OR MORE TARGET NUCLEIC ACID ANALYTES IN A SAMPLE AND METHODS OF MAKING AND USING THE SAME**
[54] **KITS POUR DETECTER UN OU PLUSIEURS ANALYTES D'ACIDES NUCLEIQUES CIBLES DANS UN ECHANTILLON ET PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] KENTEN, JOHN, US
[72] KUMAR, SUDEEP, US
[72] NIKOLENKO, GALINA, US
[72] SARDESAI, LAUKIK, US
[72] TUCKER-SCHWARTZ, ALEXANDER K., US
[72] SIGAL, GEORGE, US
[72] HARKINS, SETH BEEBE, US
[72] UMEK, ROBERT, US
[72] BREAK, TIMOTHY J., US
[72] MOLLER, LAURE, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
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[30] US (62/843,153) 2019-05-03
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[54] **DYNAMIC TEMPERATURE REGULATING DEVICE**
[54] **DISPOSITIF DE REGULATION DE TEMPERATURE DYNAMIQUE**
[72] SIDDIQUI, KAMRAN, CA
[72] JEVNIKAR, STEVEN MICHAEL, CA
[72] SENER, ALP, CA
[72] JEVNIKAR, ANTHONY MICHAEL, CA
[72] JEVNIKAR, JEFFREY ANDREW, CA
[71] THERMOCAN DYNAMICS INC., CA
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[25] EN
[54] **RAPID METHODS FOR DETERMINING MICROORGANISM GROWTH IN SAMPLES OF HUMAN ORIGIN**
[54] **PROCEDES RAPIDES DE DETERMINATION DE LA CROISSANCE DE MICRO-ORGANISME DANS DES PRELEVEMENTS D'ORIGINE HUMAINE**
[72] BAKER, KRISTIN, US
[72] FLENTIE, KELLY, US
[72] VACIC, ALEKSANDAR, US
[72] STERN, ERIC, US
[72] ERSEN, ALI, US
[72] SPEARS, BENJAMIN R., US
[72] BRISCOE, MATTHEW, US
[71] SELUX DIAGNOSTICS, INC., US
[85] 2021-10-28
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[54] **COMPOSITIONS OF DIMETHYL TRISULFIDE (DMTS) AS A CYANIDE ANTIDOTE**
[54] **COMPOSITIONS DE TRISULFURE DE DIMETHYLE (DMTS) EN TANT QU'ANTIDOTE DE CYANURE**
[72] DIXON, HONG, US
[72] MCDONOUGH, JOSEPH A., US
[71] SOUTHWEST RESEARCH INSTITUTE, US
[85] 2021-10-28
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[25] EN
[54] **FRATAXIN-SENSITIVE MARKERS FOR DETERMINING EFFECTIVENESS OF FRATAXIN REPLACEMENT THERAPY**
[54] **MARQUEURS SENSIBLES A LA FRATAXINE POUR DETERMINER L'EFFICACITE D'UNE THERAPIE DE REMPLACEMENT DE FRATAXINE**
[72] BETTOUN, JOAN DAVID, US
[71] LARIMAR THERAPEUTICS, INC., US
[85] 2021-10-28
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[54] **SYSTEM FOR THE EXTRACTION OF ENERGY FROM THE ELECTRIC FIELD OF POWER CABLES**
[54] **SYSTEME D'EXTRACTION D'ENERGIE SUR DES CABLES DE PUISSANCE A PARTIR DU CHAMP ELECTRIQUE**
[72] RODRIGUEZ RIOS, BORJA, CL
[72] LOPEZ GOMEZ, MARIANO, CL
[71] RODRIGUEZ RIOS, BORJA, CL
[71] LOPEZ GOMEZ, MARIANO, CL
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[25] EN
[54] **CONCEALABLE WINDOW SPRINKLER**
[54] **ARROSEUR DE FENETRE DISSIMULABLE**
[72] MEYER, STEPHEN J., US
[72] WANCHO, THOMAS, US
[72] SANDBERG, THOMAS, US
[72] DESROSIER, JOHN, US
[72] MAUGHAN, KEVIN DESMOND, US
[71] VICTAULIC COMPANY, US
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[86] 2020-05-01 (PCT/US2020/030961)
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[54] **DAIRY-FREE CHOCOLATE CONFECTIONS AND METHOD OF MAKING**
[54] **CONFISERIE AU CHOCOLAT EXEMPTE DE LAIT ET PROCEDE DE PRODUCTION**
[72] MONGIA, GAGAN, US
[72] WANG, XIAOYING, US
[72] RANK, CRAIG N., US
[71] THE HERSHEY COMPANY, US
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[86] 2020-05-01 (PCT/US2020/031005)
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[30] US (62/842,119) 2019-05-02

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[51] **Int.Cl. A01G 24/35 (2018.01) A01G 15/00 (2006.01) A01G 25/06 (2006.01)**
[25] EN
[54] **METHOD TO IRRIGATE USING HYDROGELS IN THE SOIL TO DRAW WATER FROM THE ATMOSPHERE**
[54] **PROCEDE D'IRRIGATION A L'AIDE D'HYDROGELS DANS LE SOL POUR EXTRAIRE L'EAU A PARTIR DE L'ATMOSPHERE**
[72] RUSKIN, RODNEY, US
[71] A.I. INNOVATIONS N.V., US
[85] 2021-10-28
[86] 2020-05-13 (PCT/US2020/032740)
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[54] **HEPATITIS C VIRUS DETECTION KIT**
[54] **KIT DE DETECTION DU VIRUS DE L'HEPATITE C**
[72] PAN, SHAOLI, CN
[72] LI, RUIJING, CN
[72] YU, XIULING, CN
[72] CHENG, ZHENZHU, CN
[72] WU, YUNBO, CN
[72] CHEN, YICHEN, CN
[72] CHI, LANGSHAN, CN
[72] GONG, HANG, CN
[72] OUYANG, SUIYAN, CN
[71] FAPON BIOTECH INC., CN
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[54] **INTEROPERABILITY VALIDATION IN AN ANALYTE MONITORING SYSTEM**
[54] **VALIDATION D'INTEROPERABILITE DANS UN SYSTEME DE SURVEILLANCE D'ANALYTE**
[72] RAISONI, BARKHA, US
[72] MONTGOMERY, BARBARA, US
[72] ADDAGUDURU, SURESH, US
[72] DEHENNIS, ANDREW, US
[71] SENSEONICS, INCORPORATED, US
[85] 2021-10-28
[86] 2020-05-15 (PCT/US2020/033138)
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SCHEDULING AND INFORMATION TRANSMISSION, RELATED APPARATUS, AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE PLANIFICATION ET DE TRANSMISSION D'INFORMATIONS, APPAREIL CORRESPONDANT ET SUPPORT D'ENREGISTREMENT**
[72] CHAI, LI, CN
[72] WU, MIN, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICTION GROUP CO., LTD., CN
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[86] 2020-04-26 (PCT/CN2020/087052)
[87] (WO2020/221171)
[30] CN (201910364283.0) 2019-04-30

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[51] **Int.Cl. H05B 47/115 (2020.01) H05B 47/12 (2020.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL RADAR SENSING SYSTEM APPARATUSES AND METHODS**
[54] **APPAREILS ET PROCEDES DE SYSTEME DE DETECTION RADAR A COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] LARK, JR., WILLIAM, US
[72] PENNYCOOKE, NICHOLAS DAVID, US
[71] SAVANT SYSTEMS, INC., US
[85] 2021-10-28
[86] 2020-05-01 (PCT/US2020/031033)
[87] (WO2020/223635)
[30] US (62/841,407) 2019-05-01
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[25] EN
[54] **DRIVING DEVICE, SURGICAL INSTRUMENT, AND OPERATION METHOD THEREOF**
[54] **DISPOSITIF D'ENTRAINEMENT, INSTRUMENT CHIRURGICAL, ET SON PROCEDE DE FONCTIONNEMENT**
[72] SUN, BAOFENG, CN
[72] ZHANG, ZHIXING, CN
[71] FULBRIGHT MEDICAL INC., CN
[85] 2021-10-29
[86] 2020-04-30 (PCT/CN2020/088444)
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[51] **Int.Cl. C12N 15/11 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **REGULATED SYNTHETIC GENE EXPRESSION SYSTEMS**
[54] **SYSTEMES D'EXPRESSION DE GENES SYNTHETIQUES REGULES**
[72] KHALIL, AHMAD S., US
[72] WONG, WILSON W., US
[72] ISRANI, DIVYA, US
[72] LI, HUISHAN, US
[71] TRUSTEES OF BOSTON UNIVERSITY, US
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[51] **Int.Cl. B23D 47/02 (2006.01) B23D 45/02 (2006.01) B23D 45/04 (2006.01) B27B 5/065 (2006.01) B27B 5/07 (2006.01)**
[25] EN
[54] **PORTABLE AUTOMATED PANEL CUTTER**
[54] **DISPOSITIF DE COUPE DE PANNEAU AUTOMATISE PORTATIF**
[72] HARTVIGSEN, PETER MURMANN, DK
[72] DALGAARD, KRISTIAN, DK
[72] ENGBJERG, KNUD, DK
[71] KOBOTS APS, DK
[85] 2021-10-29
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[30] DK (PA 2019 70277) 2019-05-01
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[51] **Int.Cl. G08C 17/02 (2006.01) G05B 19/00 (2006.01)**
[25] EN
[54] **A METHOD OF CONTROLLING A PORTABLE AUTOMATED PANEL CUTTER**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF AUTOMATISE PORTATIF DE COUPE DE PANNEAUX**
[72] HARTVIGSEN, PETER MURMANN, DK
[72] DALGAARD, KRISTIAN, DK
[72] ENGBJERG, KNUD, DK
[71] KOBOTS APS, DK
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[30] DK (PA 2019 70281) 2019-05-01

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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 38/04 (2006.01) A61P 37/02 (2006.01)**
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[54] **PIC1 PEPTIDE COMPOSITIONS AND METHODS OF USE THEREOF FOR TREATMENT OF HYPOXIC ISCHEMIC ENCEPHALOPATHY**
[54] **COMPOSITIONS DE PEPTIDE PIC1 ET LEURS METHODES D'UTILISATION POUR LE TRAITEMENT DE L'ENCEPHALOPATHIE HYPOXIQUE ISCHEMIQUE**
[72] KRISHNA, NEEL K., US
[72] CUNNION, KENJI, US
[72] SHAH, TUSHAR, US
[71] REALTA HOLDINGS, LLC, US
[85] 2021-10-28
[86] 2020-05-28 (PCT/US2020/034789)
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[30] US (62/853,377) 2019-05-28

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[54] **MODULATING ANTIBODY EFFECTOR FUNCTIONS**
[54] **MODULATION DE FONCTIONS EFFECTRICES D'ANTICORPS**
[72] KUHNS, SCOTT THOMAS, US
[72] PADAKI, RUPA, US
[72] ZHANG, QINGCHUN, US
[72] BRETZLAFF, WILLIAM S., US
[71] AMGEN INC., US
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[86] 2020-05-28 (PCT/US2020/035016)
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[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR BOOSTING SEALING ELEMENTS OF DOWNHOLE BARRIERS**
[54] **PROCEDE ET SYSTEME POUR RENFORCER DES ELEMENTS D'ETANCHEITE DE BARRIERES DE FOND DE TROU**
[72] MITCHELL, MICHAEL W., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[86] 2020-06-01 (PCT/US2020/035504)
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[54] **PROCEDES D'OPTIMISATION DE L'UTILISATION DE GAZ**
[72] GAO, ALLAN HAIMING, US
[72] CONRADO, ROBERT JOHN, US
[72] BERNASEK, SEBASTIAN MICHAL, US
[72] SCHULTZ, MICHAEL ANTHONY, US
[71] LANZATECH, INC., US
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[54] **METAL WORKING FLUID DECONTAMINATION APPARATUS**
[54] **APPAREIL DE DECONTAMINATION DE FLUIDE DE TRAVAIL METALLIQUE**
[72] WILDS, IVAN MARK, GB
[72] WILDS, PAUL RODGER GERALD, GB
[71] WILDS, IVAN MARK, GB
[71] WILDS, PAUL RODGER GERALD, GB
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[54] **COLOR TRANSFORM FOR VIDEO CODING**
[54] **TRANSFORMEE DE COULEUR POUR UN CODAGE VIDEO**
[72] LI, LING, US
[72] ZHAO, XIN, US
[72] LI, XIANG, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-10-28
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[54] **MODIFIED PLURIPOTENT CELLS**
[54] **CELLULES PLURIPOTENTES MODIFIEES**
[72] SCHREPFER, SONJA, US
[72] DEUSE, TOBIAS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[86] 2020-05-09 (PCT/US2020/032272)
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[54] **PROCESS FOR RECYCLING CO2 IN A METHANOL PRODUCTION PLANT**
[54] **PRODUCTION DE GAZ DE SYNTHESE A L'AIDE DE CO2 RECYCLE PAR REFORMAGE COMBINE A LA VAPEUR ET A SEC DE METHANE**
[72] SHAHVERDI, ALI, CA
[72] CARABIN, PIERRE, CA
[71] PYROGENESIS CANADA INC., CA
[85] 2021-10-29
[86] 2020-05-11 (PCT/CA2020/000056)
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[54] **SPRAYABLE FILM FORMING COMPOSITIONS FOR IMPROVING THE PERFORMANCE OF TOPICAL PREPARATIONS**
[54] **COMPOSITIONS FILMOGENES PULVERISABLES, DESTINEES A AMELIORER L'EFFICACITE DE PREPARATIONS TOPIQUES**
[72] LEE, WILSON A., US
[71] ELC MANAGEMENT LLC, US
[85] 2021-10-28
[86] 2021-03-22 (PCT/US2021/023533)
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[54] **SENSOR ELEMENTS HAVING METALLIC NANOSTRUCTURES AND USES THEREOF**
[54] **ELEMENTS DE CAPTEUR DOTE DE NANOSTRUCTURES METALLIQUES ET LEURS UTILISATIONS**
[72] RAVEENDRAN, JOSHUA, CA
[72] BACON, HANNAH, CA
[72] ESCOBEDO, CARLOS, CA
[72] DOCOSLIS, ARISTIDES, CA
[71] QUEEN'S UNVIVERSITY AT KINGSTON, CA
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[51] **Int.Cl. G06Q 50/12 (2012.01) G06Q 10/02 (2012.01)**
[25] EN
[54] **A COMPUTER-ENABLED METHOD, SYSTEM AND COMPUTER PROGRAM FOR PROVIDING AN INTUITIVE USER INTERFACE ARRANGED TO CREATE A DYNAMIC FLOOR PLAN UTILISABLE BY AN ALLOCATION ALGORITHM TO PERFORM THE TASK OF ALLOCATING A SPACE, FURNITURE, EQUIPMENT OR SERVICE**
[54] **PROCEDE, SYSTEME ET PROGRAMME INFORMATIQUE ACTIVES PAR ORDINATEUR POUR FOURNIR UNE INTERFACE UTILISATEUR INTUITIVE CONCUE POUR CREER UN PLAN DE SOL DYNAMIQUE UTILISABLE PAR UN ALG ORITHME D'ATTRIBUTION POUR EXECUTER LA TACHE D'ATTRIBUTION D'UN ESPACE, D'UN MEUBLE, D'UN EQUIPEMENT OU D'UN SERVICE**
[72] PETROULAS, PETER, AU
[71] GRAND PERFORMANCE ONLINE PTY LTD, AU
[85] 2021-10-29
[86] 2020-04-28 (PCT/AU2020/050408)
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[30] AU (2019901444) 2019-04-29
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[54] **BODY WEIGHT SUPPORT SYSTEM FOR EXOSKELETONS AND METHOD OF USING THE SAME**
[54] **SYSTEME DE SUPPORT DU POIDS DU CORPS POUR EXOSQUELETTES ET METHODE D'UTILISATION ASSOCIEE**
[72] BUJOLD, ALAIN, CA
[71] MAWASHI SCIENCE & TECHNOLOGY INC., CA
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[25] EN
[54] **AN AUTONOMOUS, INTEGRATED COMPUTER-ENABLED METHOD, SYSTEM, AND COMPUTER PROGRAM UTILISING AN ARTIFICIAL INTELLIGENCE ENGINE FOR DYNAMIC ALLOCATION AND OPTIMISATION OF SPACE, FURNITURE, EQUIPMENT AND/OR SERVICES**
[54] **PROCEDE INFORMATISE INTEGRE AUTONOME, ET SYSTEME ET PROGRAMME INFORMATIQUE METTANT EN OEUVRE UN MOTEUR D'INTELLIGENCE ARTIFICIELLE POUR L'ATTRIBUTION DYNAMIQUE ET L'OPTIMISATION D 'ESPACE, DE MEUBLES, D'EQUIPEMENT ET/OU DE SERVICES**
[72] PETROULAS, PETER, AU
[71] GRAND PERFORMANCE ONLINE PTY LTD, AU
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[86] 2020-04-28 (PCT/AU2020/050414)
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[54] **IMMUNOSENSOR**
[54] **IMMUNOCAPTEUR**
[72] SCOBLE, JUDITH, AU
[72] WILLIAMS, CHARLOTTE, AU
[72] NUTTALL, STEWART, AU
[72] SURJADI, REGINA, AU
[72] DACRES, HELEN, AU
[72] TROWELL, STEPHEN, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **THREADED FASTENER PAIR, POST ANCHOR SYSTEM AND METHOD OF SECURING A POST TO A POST ANCHOR**
[54] **PAIRE D'ELEMENTS DE FIXATION FILETES, SYSTEME D'ANCRAGE DE MONTANT ET PROCEDE DE FIXATION D'UN MONTANT A UN ANCRAGE DE MONTANT**
[72] SHEDDON, TIMOTHY, AU
[72] SHEDDON, JAMIE, AU
[72] SHEDDON, JASON, AU
[71] TOPAZ TRADING PTY LTD, AU
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR GENERATING DIVERSITY AT TARGETED NUCLEIC ACID SEQUENCES**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE GENERER UNE DIVERSITE AU NIVEAU DE SEQUENCES D'ACIDE NUCLEIQUE CIBLEES**
[72] MOSHIRI, FARHAD, US
[72] GARVEY, GRAEME S., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2021-10-28
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[54] **CANNABINOID STOCK TRANSDERMAL FORMULATIONS**
[54] **FORMULATIONS TRANSDERMIQUES DE STOCK DE CANNABINOIDES**
[72] LURYA, LEONID, IL
[72] BOROVSKY, JOSEPH, US
[71] BETTERLIFE PHARMA INC., CA
[85] 2021-10-29
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[54] **POLYPROPYLENE-POLYETHYLENE COMPOSITION WITH IMPROVED TOUGHNESS**
[54] **COMPOSITION DE POLYPROPYLENE-POLYETHYLENE A TENACITE AMELIOREE**
[72] WANG, JINGBO, AT
[72] GAHLEITNER, MARKUS, AT
[72] BERNREITNER, KLAUS, AT
[72] BRAUN, HERMANN, AT
[71] BOREALIS AG, AT
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[86] 2020-04-28 (PCT/EP2020/061752)
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[51] **Int.Cl. G01N 33/566 (2006.01) C07K 14/705 (2006.01) C07K 14/72 (2006.01)**
[25] EN
[54] **SCREENING METHODS AND ASSAYS FOR USE WITH TRANSMEMBRANE PROTEINS, IN PARTICULAR WITH GPCRS**
[54] **PROCEDES DE CRIBLAGE ET DOSAGES DESTINES A ETRE UTILISES AVEC DES PROTEINES TRANSMEMBRANAIRES, EN PARTICULIER AVEC DES GPCR**
[72] MENET, CHRISTEL, BE
[72] DEKEYZER, LIES, BE
[72] MARTINI, MURIELLE, BE
[72] SKIETERSKA, KAMILA, BE
[71] CONFO THERAPEUTICS N.V., BE
[85] 2021-10-29
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[30] US (62/840,091) 2019-04-29
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[54] **NOVEL INDOLE-2-CARBOXAMIDES ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)**
[54] **NOUVEAUX INDOLE-2-CARBOXAMIDES ACTIFS CONTRE LE VIRUS DE L'HEPATITE B (VHB)**
[72] BONSMANN, SUSANNE, DE
[72] DONALD, ALASTAIR, DE
[72] URBAN, ANDREAS, DE
[72] KLENKE, BURKHARD, DE
[72] SPRINGER, JASPER, NL
[71] AICURIS GMBH & CO. KG, DE
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[86] 2020-04-29 (PCT/EP2020/061948)
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[54] **COMPOSITION DEODORANTE**
[72] PANIN, GIORGIO, IT
[71] HULKA S.R.L., IT
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[25] EN
[54] **HAPTOGLOBIN FOR USE IN TREATING AN ADVERSE SECONDARY NEUROLOGICAL OUTCOME FOLLOWING A HAEMORRHAGIC STROKE**
[54] **HAPTOGLOBINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'UN EVENEMENT NEUROLOGIQUE SECONDAIRE INDESIRABLE SUITE A UN AVC HEMORRAGIQUE**
[72] HUGELSHOFER, MICHAEL, CH
[72] SCHAER, CHRISTIAN, CH
[72] SCHAER, DOMINIK, CH
[71] UNIVERSITAET ZUERICH, CH
[71] CSL BEHRING AG, CH
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[54] **LAME DE BATON DE HOCKEY AVEC OSSATURE DE RENFORCEMENT**
[72] DAVIS, STEPHEN J., US
[71] BAUER HOCKEY LTD., CA
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[54] **WATER TABLE WITH IMPROVED INSTALLATION GEOMETRY**
[54] **NAPPE LIBRE A GEOMETRIE D`INSTALLATION AMELIOREE**
[72] MITCHELL, STEVE A., US
[72] RABAGO, ROBERT E., US
[71] ROYAL BUILDING PRODUCTS (USA) INC., US
[71] ROYAL BUILDING PRODUCTS (USA) INC., US
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/903 (2019.01)**
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[54] **SYSTEMS AND METHODS FOR MONITORING USER-DEFINED METRICS**
[54]
[72] TEO, KOON HENG IVAN, US
[72] SUI, QINGYI, US
[72] SHAMI, MOHAMMAD, US
[72] KIM, YOONSEONG, US
[72] SAN MARTIN JORQUERA, FERNANDO, US
[72] PEREZ LEON, FRANCISCO, US
[71] CAPITAL ONE SERVICES, LLC, US
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[54] **AN IMAGING SYSTEM AND METHOD FOR QUALITY AND DOSAGE CONTROL OF ANESTHETICS APPLIED BY A SPRAY NOZZLE**
[54]
[72] FAKHIM, BAMDAD, CA
[72] REZAEI, MOHAMMADREZA, CA
[72] ASNAASHARI, VAHID, CA
[72] MOSHFEGH, MOHAMMAD, CA
[72] ASHGRIZ, NASSER, CA
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[72] DARBANDI, ALI, CA
[72] OSTADALIPOUR, ABBAS, CA
[72] SAHBA, ARMIN, CA
[72] ASHGRIZ, NASSER, CA
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[54] **BERCEAU A MECANISME DE SOLLICITATION POUR VEHICULE A ORDURES**
[72] FORD, RICHARD, US
[71] THE HEIL CO., US
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[54] **MESENCHYMAL STEM CELLS AND USES THEREFOR**
[54] **CELLULES SOUCHES MESENCHYMATEUSES ET LEURS UTILISATIONS**
[72] PITTENGER, MARK F., US
[72] AGGARWAL, SUDEEPTA, US
[71] MESOBLAST INTERNATIONAL SARL, CH
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[54] **DENTISTRY TOOL**
[54] **OUTIL DE DENTISTERIE**
[72] BURKE, EDMUND, CH
[72] SOLLBERGER, DAVID, CH
[72] NUSSBAUMER, SILVIO, CH
[72] HOLST, STEFAN, CH
[72] GEISELHORINGER, HANS, CH
[72] QUARRY, ANTONY, CH
[72] WEITZEL, JORG, CH
[71] NOBEL BIOCARE SERVICES AG, CH
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[54] **IMPLANTABLE INTESTINAL CONTENTS FLOW CONTROL DEVICE**
[54] **DISPOSITIF DE CONTROLE DU FLUX DE CONTENU INTESTINAL IMPLANTABLE**
[72] FORSELL, PETER, CH
[71] IMPLANTICA PATENT LTD., MT
[22] 2008-10-10
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[54] **MANAGING STREETLIGHTS**
[54] **GESTION DE REVERBERES**
[72] AGRAWAL, ANIL, US
[71] CIMCON LIGHTING, INC., US
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[62] 2,898,432
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[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
[72] HAYASHIDA, MAKOTO, JP
[72] UESUGI, TETSUO, JP
[72] YAMAGUCHI, KOJI, JP
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[71] CANON KABUSHIKI KAISHA, JP
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[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
[72] HAYASHIDA, MAKOTO, JP
[72] UESUGI, TETSUO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,135,765**
[13] A1
[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
[72] HAYASHIDA, MAKOTO, JP
[72] UESUGI, TETSUO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,135,768**
[13] A1
[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
[72] HAYASHIDA, MAKOTO, JP
[72] UESUGI, TETSUO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
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[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

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[13] A1
[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKOTO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[72] STANTON, DANIEL JOSEPH, CA
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,135,886**
[13] A1
[51] **Int.Cl. G07D 11/26 (2019.01) B08B 1/00 (2006.01)**
[25] EN
[54] **CARD FOR CLEANING PRINTED MEDIA TRANSPORT SYSTEM AND METHOD OF USING SAME**
[54] **CARTE POUR LE NETTOYAGE D'UN SYSTEME DE TRANSPORT DE SUPPORTS IMPRIMES ET PROCEDE L'UTILISANT**
[72] BAILEY, GLEN, US
[72] CARON, GEOFFREY SCOTT, US
[72] MCCORMICK, IAN, US
[72] CONDON, JOHN, US
[72] KERN, BYRON MEHL, II, US
[72] PEDERSEN, KENNETH, MONROE III, US
[71] KICTEAM, INC., US
[22] 2018-09-25
[41] 2019-03-28
[62] 3,076,895
[30] US (62/562,640) 2017-09-25
[30] US (15/896,336) 2018-02-14

[21] **3,135,893**
[13] A1
[25] EN
[54] **CANNABIS EXTRACTS AND METHODS OF PREPARING AND USING SAME**
[54] **EXTRAITS DE CANNABIS ET PROCEDES DE PREPARATION ET D'UTILISATION**
[72] VERZURA, TONY, US
[72] BLACKMON, EARNIE, US
[71] UNITED CANNABIS CORP., US
[22] 2015-10-21
[41] 2016-04-28
[62] 2,965,493
[30] US (62/066,795) 2014-10-21
[30] US (62/068,278) 2014-10-24

[21] **3,136,006**
[13] A1
[25] EN
[54] **TIME INTERLEAVER, TIME DEINTERLEAVER, TIME INTERLEAVING METHOD, AND TIME DEINTERLEAVING METHOD**
[54]
[72] KLENNER, PETER, DE
[71] PANASONIC CORPORATION, JP
[22] 2015-09-10
[41] 2016-04-07
[62] 2,938,509
[30] EP (14186891.9) 2014-09-29
[30] JP (2015-171835) 2015-09-01

[21] **3,136,058**
[13] A1
[51] **Int.Cl. E21D 20/02 (2006.01) F04B 9/113 (2006.01) F04B 15/02 (2006.01) F04B 23/06 (2006.01) F04B 49/06 (2006.01) F04B 49/08 (2006.01)**
[25] EN
[54] **HYDRAULIC AND CONTROL SYSTEM FOR RESIN INJECTION**
[54] **SYSTEME HYDRAULIQUE ET DE COMMANDE POUR INJECTION DE RESINE**
[72] FAULKNER, DAKOTA, US
[72] WEAVER, MICHAEL, US
[72] CRABLE, MARK, US
[71] J-LOK CO., US
[22] 2018-11-09
[41] 2019-05-16
[62] 3,080,919
[30] US (62/584,461) 2017-11-10
[30] US (16/182,994) 2018-11-07

[21] **3,136,063**
[13] A1
[51] **Int.Cl. A24F 40/90 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **VAPORIZER CHARGING STRUCTURE**
[54] **STRUCTURE POUR CHARGER UN VAPORISATEUR**
[72] JONES, MARK, CA
[72] STEWART, ANDREW, CA
[72] VERMETTE, YAN, CA
[71] CANOPY GROWTH CORPORATION, CA
[22] 2020-10-09
[41] 2021-04-15
[62] 3,103,590
[30] US (62/915,141) 2019-10-15

[21] **3,136,084**
[13] A1
[25] EN
[54] **POLYCISTRONIC EXPRESSION SYSTEM FOR BACTERIA**
[54] **SYSTEME D'EXPRESSION POLYCISTRONIQUE POUR DES BACTERIES**
[72] STEIDLER, LOTHAR, BE
[72] VAN HUYNEGEM, KAROLIEN, BE
[72] VANDENBROUCKE, KLAAS, BE
[71] INTREXON ACTOBIOTICS NV, BE
[22] 2012-06-01
[41] 2012-12-06
[62] 2,837,634
[30] EP (11168495.7) 2011-06-01
[30] EP (11173588.2) 2011-07-12

[21] **3,136,093**
[13] A1
[25] EN
[54] **METHODS FOR DETERMINING DRUG EFFICACY USING CEREBLON-ASSOCIATED PROTEINS**
[54] **PROCEDES POUR DETERMINER L'EFFICACITE D'UN MEDICAMENT EN UTILISANT DES PROTEINES ASSOCIEES AU CEREBLON**
[72] SCHAFER, PETER H., US
[72] CHOPRA, RAJESH, US
[72] CORRAL, LAURA, US
[72] WANG, MARIA YINGLIN, US
[72] JACKSON, PILGRIM, US
[72] LOPEZ-GIRONA, ANTONIA, US
[71] CELGENE CORPORATION, US
[22] 2013-06-28
[41] 2014-01-03
[62] 2,877,736
[30] US (61/666,703) 2012-06-29
[30] US (61/696,752) 2012-09-04

[21] **3,136,096**
[13] A1
[25] EN
[54] **ELECTRIC VEHICLE**
[54] **VEHICULE ELECTRIQUE**
[72] STENBERG, KURT E., US
[72] NOTARO, JOEL M., US
[72] LEONARD, JOSH J., US
[72] CRAIN, STEPHEN G., US
[72] SABOURIN, DENNIS P., US
[72] OLSEN, RUSS G., US
[72] MAKI, RICHARD R., US
[72] MALONE, AMBER PATRICIA, US
[72] GILLINGHAM, BRIAN R., US
[72] JOHNSTUN, JEREMIAH TRAVIS, US
[71] POLARIS INDUSTRIES INC., US
[22] 2010-06-15
[41] 2010-12-23
[62] 3,060,501
[30] US (61/187147) 2009-06-15
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[13] A1
[51] **Int.Cl. D21H 27/40 (2006.01) B31F 1/12 (2006.01) D21F 11/00 (2006.01)**
[25] EN
[54] **METHODS OF MAKING PAPER PRODUCTS USING A MULTILAYER CREPING BELT, AND PAPER PRODUCTS MADE USING A MULTILAYER CREPING BELT**
[54] **PROCEDES DE FABRICATION DE PRODUITS DE PAPIER A L'AIDE D'UNE COURROIE DE CREPAGE MULTICOUCHE ET PRODUITS DE PAPIER FABRIQUES A L'AIDE D'UNE COURROIE DE CREPAGE MULTICOUCHE**
[72] CHOU, HUNG LIANG, US
[72] FAN, XIAOLIN, US
[72] SZE, DANIEL H., US
[71] GPCP IP HOLDINGS LLC, US
[22] 2015-09-25
[41] 2016-03-31
[62] 2,958,904
[30] US (62/055,261) 2014-09-25
[30] US (14/865,443) 2015-09-25

[21] **3,136,291**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 40/20 (2018.01)**
[25] EN
[54] **PATIENT-CENTRIC HEALTH RECORD SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE DOSSIERS MEDICAUX CENTRE SUR LE PATIENT ET PROCEDES ASSOCIES**
[72] BESSETTE, LUC, CA
[72] LEBORGNE, YVES, CA
[71] BESSETTE, LUC, CA
[22] 2016-04-13
[41] 2016-10-27
[62] 2,983,466
[30] US (62/150,013) 2015-04-20

[21] **3,136,300**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 40/20 (2018.01) G16H 50/30 (2018.01) G06F 21/31 (2013.01)**
[25] EN
[54] **PATIENT-CENTRIC HEALTH RECORD SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE DOSSIERS MEDICAUX CENTRE SUR LE PATIENT ET PROCEDES ASSOCIES**
[72] BESSETTE, LUC, CA
[72] LEBORGNE, YVES, CA
[71] BESSETTE, LUC, CA
[22] 2016-04-13
[41] 2016-10-27
[62] 2,983,466
[30] US (62/150,013) 2015-04-20

[21] **3,136,331**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01)**
[25] EN
[54] **SYRINGE BASED FLUID DIVERSION MECHANISM FOR BODILY-FLUID SAMPLING**
[54] **MECANISME DE DEVIATION DE FLUIDE PAR UNE SERINGUE POUR L'ECHANTILLONNAGE DE LIQUIDE ORGANIQUE**
[72] BULLINGTON, GREGORY J., US
[72] PATTON, RICHARD G., US
[72] GAW, SHAN E., US
[71] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
[22] 2013-12-02
[41] 2014-06-05
[62] 2,931,983
[30] US (61/731,620) 2012-11-30

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[51] **Int.Cl. B03D 1/08 (2006.01) B03D 1/02 (2006.01) B03D 1/12 (2006.01)**
[25] EN
[54] **TREATMENT AND DEWATERING OF OIL SANDS FINE TAILINGS**
[54] **TRAITEMENT ET DESHYDRATATION DE RESIDUS FINS DE SABLES BITUMINEUX**
[72] HOLLANDER, ELCO, CA
[72] OMOTOSO, OLADIPO, CA
[72] MOISAN, BRENT ALLEN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2017-10-27
[41] 2019-04-27
[62] 2,983,961

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[13] A1
[51] **Int.Cl. A47B 87/00 (2006.01) A47B 13/02 (2006.01) A47B 37/04 (2006.01) A47C 17/64 (2006.01) F16B 12/00 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **MODULAR FURNITURE SYSTEM**
[54] **SYSTEME DE MOBILIER MODULAIRE**
[72] STYRC, JACEK, CA
[72] LYSIAK, SEBASTIAN, PL
[71] 2724889 ONTARIO INC., CA
[22] 2018-02-15
[41] 2018-08-30
[62] 3,053,279
[30] US (62/461,308) 2017-02-21
[30] US (15/815,973) 2017-11-17

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[13] A1
[51] **Int.Cl. A61F 9/009 (2006.01) A61B 3/107 (2006.01)**
[25] EN
[54] **CORNEAL TOPOGRAPHY MEASUREMENT AND ALIGNMENT OF CORNEAL SURGICAL PROCEDURES**
[54]
[72] SCOTT, DAVID D., US
[72] GONZALEZ, JAVIER G., US
[72] DEWEY, DAVID A., US
[72] BAREKET, NOAH, US
[72] SCHUELE, GEORG, US
[71] AMO DEVELOPMENT, LLC, US
[22] 2014-04-18
[41] 2014-10-23
[62] 2,909,717
[30] US (61/813,613) 2013-04-18
[30] US (61/873,071) 2013-09-03

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[13] A1
[25] EN
[54] **IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM**
[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE CODAGE PREDICTIF D'IMAGES, ET DISPOSITIF, PROCEDE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGES**
[72] SUZUKI, YOSHINORI, JP
[72] BOON, CHOONG SENG, JP
[72] TAN, THIOW KENG, JP
[71] NTT DOCOMO, INC., JP
[22] 2011-09-29
[41] 2012-04-12
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[30] JP (2010-226472) 2010-10-06

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[21] **3,136,771**
[13] A1
[51] **Int.Cl. A61M 16/16 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **CONTROL OF HUMIDIFIER CHAMBER TEMPERATURE FOR ACCURATE HUMIDITY CONTROL**
[54]
[72] TATKOV, STANISLAV, NZ
[72] CRONE, CHRISTOPHER MALCOLM, NZ
[72] HAWKINS, PETER, NZ
[72] HAN, JAE CHUL, NZ
[72] O'DONNELL, KEVIN PETER, NZ
[72] SOMERVELL, ANDREW ROBERT DONALD, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2009-05-27
[41] 2009-12-03
[62] 3,051,967
[30] US (61/056,335) 2008-05-27

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[51] **Int.Cl. F21V 23/06 (2006.01) F21K 9/00 (2016.01) F21S 2/00 (2016.01) F21S 8/06 (2006.01) F21V 17/08 (2006.01) F21V 21/005 (2006.01) F21V 21/008 (2006.01) F21V 21/112 (2006.01)**
[25] EN
[54] **LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE**
[72] SONNEMAN, ROBERT A., US
[72] GARNETT, CHRISTIAN N., US
[71] CONTEMPORARY VISIONS, LLC, US
[22] 2019-01-15
[41] 2019-12-05
[62] 3,101,908
[30] US (62/679,406) 2018-06-01

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[13] A1
[25] EN
[54] **LIPID SCAVENGING IN RAS CANCERS**
[54] **CAPTAGE DES LIPIDES DANS DES CANCERS ASSOCIES A RAS**
[72] RABINOWITZ, JOSHUA, US
[72] KAMPHORST, JURRE, US
[72] CROSS, JUSTIN, US
[72] THOMPSON, CRAIG, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[22] 2014-05-09
[41] 2014-11-13
[62] 2,912,052
[30] US (61/822,095) 2013-05-10

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[13] A1
[51] **Int.Cl. F21V 21/008 (2006.01) F21K 9/00 (2016.01) H05B 45/30 (2020.01) H05B 45/40 (2020.01) F21S 2/00 (2016.01) F21S 8/06 (2006.01) F21V 21/005 (2006.01) F21V 21/112 (2006.01) F21V 23/00 (2015.01) F21V 23/06 (2006.01)**
[25] EN
[54] **LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE**
[72] SONNEMAN, ROBERT A., US
[72] GARNETT, CHRISTIAN N., US
[71] CONTEMPORARY VISIONS, LLC, US
[22] 2019-01-15
[41] 2019-12-05
[62] 3,101,908
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[13] A1
[51] **Int.Cl. F21V 23/06 (2006.01) F21S 2/00 (2016.01) F21S 8/06 (2006.01) F21V 17/08 (2006.01) F21V 21/005 (2006.01) F21V 21/008 (2006.01) F21V 21/112 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE**
[72] SONNEMAN, ROBERT A., US
[72] GARNETT, CHRISTIAN N., US
[71] CONTEMPORARY VISIONS, LLC, US
[22] 2019-01-15
[41] 2019-12-05
[62] 3,101,908
[30] US (62/679,406) 2018-06-01

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[13] A1
[51] **Int.Cl. G06F 16/21 (2019.01) G06Q 20/40 (2012.01) G06F 16/23 (2019.01) G06Q 30/04 (2012.01) G06Q 40/02 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **DATA MANAGEMENT DEVICE, COMMUNICATION SYSTEM AND METHODS FOR TAGGING DATA IN A DATA TABLE AND TRIGGERING AUTOMATED ACTIONS**
[54] **DISPOSITIF DE GESTION DE DONNEES, SYSTEME DE COMMUNICATION ET PROCEDES POUR MARQUER DES DONNEES DANS UNE TABLE DE DONNEES ET DECLENCHER DES ACTIONS AUTOMATIQUES**
[72] TSERETOPOULOS, DEAN C.N., CA
[72] MCCARTER, ROBERT ALEXANDER, CA
[72] WALIA, SARABJIT SINGH, CA
[72] LALKA, VIPUL KISHORE, CA
[72] MORETTI, NADIA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2017-10-04
[41] 2019-04-04
[62] 2,981,385

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[13] A1
[51] **Int.Cl. A61K 39/40 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **ENHANCING IMMUNITY TO TUBERCULOSIS**
[54] **RENFORCEMENT DE L'IMMUNITE CONTRE LA TUBERCULOSE**
[72] FISCHER, GERALD W., US
[72] DAUM, LUKE T., US
[72] SEI, CLARA JABET, US
[71] LONGHORN VACCINES AND DIAGNOSTICS, LLC, US
[22] 2014-08-29
[41] 2015-03-05
[62] 2,922,431
[30] US (61/872,391) 2013-08-30

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[13] A1
[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/38 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODIES AGAINST TISSUE FACTOR PATHWAY INHIBITOR (TFPI)**
[54] **ANTICORPS MONOCLONAUX CONTRE L'INHIBITEUR DE LA VOIE DU FACTEUR TISSULAIRE (TFPI)**
[72] WANG, ZHUOZHI, US
[72] PAN, JUNLIANG, US
[72] JIANG, HAIYAN, US
[72] LIU, BING, US
[72] MURPHY, JOHN E., US
[71] BAYER HEALTHCARE LLC, US
[22] 2009-08-04
[41] 2010-02-11
[62] 3,081,514
[30] US (61/085,980) 2008-08-04

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[13] A1
[51] **Int.Cl. A01C 7/06 (2006.01) A01B 49/04 (2006.01) A01B 49/06 (2006.01) A01C 15/00 (2006.01) A01C 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL LIQUID APPLICATION**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR L'APPLICATION DE LIQUIDE AGRICOLE**
[72] RADTKE, IAN, US
[72] STOLLER, JASON, US
[72] MCMAHON, BRIAN, US
[72] STRNAD, MIKE, US
[72] KOCH, DALE, US
[72] LEMAN, TRACY, US
[72] WILDERMUTH, PAUL, US
[72] KOCH, JUSTIN, US
[72] MORGAN, MATT, US
[71] PRECISION PLANTING LLC, US
[22] 2016-06-15
[41] 2016-12-22
[62] 2,989,309
[30] US (62/175,920) 2015-06-15
[30] US (62/220,576) 2015-09-18
[30] US (62/280,085) 2016-01-18
[30] US (62/175,920) 2015-06-15
[30] US (62/220,576) 2015-09-18
[30] US (62/280,085) 2016-01-18

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[13] A1
[25] EN
[54] **HYBRID AXLE ASSEMBLY FOR A MOTOR VEHICLE**
[54] **ENSEMBLE ESSIEU HYBRIDE POUR UN VEHICULE A MOTEUR**
[72] FALLS, BRUCE, US
[72] QUINTANA, ADRIAN, US
[72] NGUYEN, THANH, US
[72] BROWNE, MIKE, US
[72] SEFCIK, MICHAEL COLBY, US
[72] LEDFORD, KEVIN, US
[71] LINAMAR CORPORATION, CA
[71] FALLS, BRUCE, US
[71] QUINTANA, ADRIAN, US
[71] NGUYEN, THANH, US
[71] BROWNE, MIKE, US
[71] SEFCIK, MICHAEL COLBY, US
[71] LEDFORD, KEVIN, US
[22] 2014-03-17
[41] 2014-09-18
[62] 2,907,359
[30] US (61/793,593) 2013-03-15

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[13] A1
[51] **Int.Cl. B62D 55/06 (2006.01)**
[25] EN
[54] **A TRAVELLING BODY USED IN AN INSPECTION ROBOT FOR AN ELECTRIC POWER GENERATOR**
[54] **CORPS COULISSANT UTILISE DANS UN ROBOT D'INSPECTION POUR UN GROUPE ELECTROGENE ELECTRIQUE**
[72] MIZUNO, DAISUKE, JP
[72] MORIMOTO, YOSHIHIRO, JP
[72] FUKUSHIMA, KAZUHIKO, JP
[72] KADOTA, NAOYA, JP
[72] TSUMAGARI, KAZUYUKI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[22] 2017-01-23
[41] 2018-07-26
[62] 3,049,929

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