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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
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[51] - International Classification
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[54] - Title of Invention
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[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
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[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1961***
For each additional sheet over 30	**$22**
3. International Search Fee	**$1600**

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

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

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
3. Taxe de recherche internationale	**1600 $**

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$295**

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

* International fees will be reduced by:

- **$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$442** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **295 $**

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

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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 December 1, 2020 contains applications open to public inspection from November 15, 2020 to November 21, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 1 décembre 2020 contient les demandes disponibles au public pour consultation pour la période du 15 novembre 2020 au 21 novembre 2020.

16. Erratum	16. Erratum
The information concerning the removal of the following patent agents from the register of patent agents, included in the Canadian Patent Office Record of October 13, 2020, was incorrect. The following patent agents are in good standing on the register of patent agents: ANDES, WILLIAM SCOTT MARIO D. THERIAULT & COMPANY WILFRED INTELLECTUAL PROPERTY INC.	Les renseignements concernant la suppression des agents de brevets suivants du registre des agents de brevets, dans la Gazette du Bureau des brevets du 13 octobre 2020, étaient inexacts. Les agents de brevets suivants sont en règle dans le registre des agents des brevets : ANDES, WILLIAM SCOTT MARIO D. THERIAULT & COMPANY WILFRED INTELLECTUAL PROPERTY INC.

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[72] BURDEN, ROBERT L., JR., US
[73] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US
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[54] **METAL SHEATHED CABLE ASSEMBLY WITH NON-LINEAR BONDING/GROUNDING CONDUCTOR**
[54] **ENSEMBLE DE CABLES A GAINE METALLIQUE DOTE D'UN CONDUCTEUR DE MISE A LA MASSE/DE MISE A LA TERRE NON LINEAIRE**
[72] LUNDGREN, STEPHEN A., US
[72] AFDASTA, SKIP N., US
[72] PEREIRA, ROBERT A., US
[73] WPFY, INC., US
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[25] EN
[54] **COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF CANCER**
[54] **COMPOSES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] GAGNON, LYNE, CA
[72] GEERTS, LILIANNE, CA
[72] GROUIX, BRIGITTE, CA
[72] LAURIN, PIERRE, CA
[72] PENNEY, CHRISTOPHER, CA
[72] ZACHARIE, BOULOS, CA
[73] LIMINAL R&D BIOSCIENCES INC., CA
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[54] **DESIGNING A VIRTUAL PREPARATION AND A VIRTUAL GINGIVAL**
[54] **CONCEPTION D'UNE PREPARATION VIRTUELLE ET D'UNE GENCIVE VIRTUELLE**
[72] FISKER, RUNE, DK
[72] NONBOE, SVEN, DK
[73] 3SHAPE A/S, DK
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[25] EN
[54] **DISPERSIBLE WET WIPES CONSTRUCTED WITH A PLURALITY OF LAYERS HAVING DIFFERENT DENSITIES AND METHODS OF MANUFACTURING**
[54] **LINGETTES HUMIDES DISPERSABLES CONSTITUES D'UNE PLURALITE DE COUCHES AYANT DES DENSITES DIFFERENTES, ET PROCEDES DE FABRICATION**
[72] ZWICK, KENNETH JOHN, US
[72] ZHANG, JUN, US
[72] JOHNSON, KROY DONALD, US
[72] VOGEL, NATHAN JOHN, US
[72] GUSKY, ROBERT IRVING, US
[72] POWLING, DAVID JAMES SEALY, US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
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[54] **METHODE D'AUTHENTIFICATION D'UNE SIGNATURE**
[72] HUTEAUX, FABIEN, FR
[73] INGENICO GROUP, FR
[86] (2820060)
[87] (2820060)
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[54] **ORGANO-CATALYTIC BIOMASS DECONSTRUCTION**
[54] **DESTRUCTION ORGANO-CATALYTIQUE DE BIOMASSE**
[72] CORTRIGHT, RANDY D., US
[72] QIAO, MING, US
[72] WOODS, ELIZABETH, US
[73] VIRENT, INC., US
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[54] **SURROGATES OF POST-TRANSLATIONALLY MODIFIED PROTEINS AND USES THEREOF**
[54] **SUBSTITUTS DE PROTEINES A MODIFICATION POST-TRADUCTIONNELLE ET LEURS UTILISATIONS**
[72] CHOREV, MICHAEL, US
[72] HALPERIN, JOSE A., US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2013-07-29
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[54] **METHODS, SYSTEMS, AND APPARATUS FOR PERFORMING FLOW CYTOMETRY**
[54] **PROCEDES, SYSTEMES, ET APPAREIL POUR REALISER UNE CYTOMETRIE EN FLUX**
[72] LUSCHER, MARK, CA
[72] MARKS, RANDALL, US
[73] MICROBIX BIOSYSTEMS INC., CA
[85] 2013-08-08
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[54] **UNDERWATER CONNECTOR ARRANGEMENT**
[54] **DISPOSITIF DE CONNECTEUR SUBAQUATIQUE**
[72] BOKENFOHR, MARK, NO
[72] CIAMULSKI, TOMASZ, NO
[73] WISUB AS, NO
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[25] EN
[54] **DIALYSIS AGENT A COMPRISING ACETIC ACID AND ACETATE SALT, AND TWO PACK TYPE DIALYSIS AGENT**
[54] **AGENT DE DIALYSE COMPRENANT DE L'ACIDE ACETIQUE ET UN SEL D'ACETATE ET AGENT DE DIALYSE DE TYPE EN DEUX PARTIES**
[72] NOGUCHI, HIROSHI, JP
[72] MYOSE, MICHIKO, JP
[72] KIKUISHI, JUNYA, JP
[72] HASHIMOTO, MINA, JP
[72] AOYAMA, HIDEYUKI, JP
[73] TOMITA PHARMACEUTICAL CO., LTD., JP
[86] (2829530)
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[54] **FRACTURE FIXATION SYSTEMS HAVING INTRAMEDULLARY SUPPORT**
[54] **SYSTEMES DE FIXATION DE FRACTURE AYANT UN SUPPORT INTRAMEDULLAIRE**
[72] ROSE, JOHN, US
[72] RAINS, JAMES K., US
[72] PATTERSON, WILLIAM D., US
[72] LEWIS, MARK T., US
[72] AUSTIN, GENE E., US
[73] SMITH & NEPHEW, INC., US
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[54] **AUREOBASIDIN DERIVATIVES AND METHODS OF SYNTHESIS**
[54] **DERIVES D'AUREOBASIDIUM ET PROCEDES DE SYNTHESE**
[72] WUTS, PETER, US
[72] ELHAMMER, AKE P., US
[73] AUREOGEN BIOSCIENCES, INC., US
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[54] **GAS TURBINE ENGINE WITH BEARING OIL LEAK RECUPERATION SYSTEM**
[54] **TURBINE A GAZ DOTEE D'UN SYSTEME DE RECUPERATION DE FUITE D'HUILE A PALIER**
[72] LEGARE, PIERRE-YVES, CA
[72] CIAMPA, ALESSANDRO, CA
[72] LABBEE, MICHEL, CA
[73] PRATT & WHITNEY CANADA CORP., CA
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[54] **INLET FOR PARTICULATE LOADER**
[54] **ENTREE POUR APPAREIL DE CHARGEMENT DE PARTICULES**
[72] WOODS, KENT GREGORY, CA
[72] PARISIEN, JOSEPH ROBERT, CA
[72] KERR, PAUL, CA
[73] AG GROWTH INTERNATIONAL INC., CA
[86] (2834116)
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[54] **IMPROVEMENTS IN OR RELATING TO PASTING DATA**
[54] **PERFECTIONNEMENTS APPORTES AU COLLAGE DE DONNEES OU S'Y RAPPORTANT**
[72] REISSMAN, PIERRE-JEAN, FR
[72] PEARSON, TADHG, US
[72] MIKAELIAN, JEROME, FR
[72] ESKI, ELONA, FR
[72] FOURNOLS, GUILLAUME, DE
[73] AMADEUS S.A.S., FR
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[25] EN
[54] **REMOVAL OF TARGET CELLS BY CIRCULATING VIRUS-SPECIFIC CYTOTOXIC T-CELLS USING MHC CLASS I COMPRISING COMPLEXES**
[54] **ELIMINATION DE CELLULES CIBLES PAR DES CELLULES T CYTOTOXIQUES CIRCULANTES SPECIFIQUES DU VIRUS A L'AIDE DE COMPLEXES COMPRENANT DES MOLECULES DU CMH DE CLASSE I**
[72] KNOETGEN, HENDRIK, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **CLIMATE CONTROL PANEL WITH NON-PLANAR DISPLAY**
[54] **PANNEAU DE CONTROLE DU CLIMAT DOTE D'UN ECRAN NON-PLANAIRE**
[72] MOORE, GLENN A., US
[72] POPLAWSKI, DANIEL S., US
[72] SODERLUND, ERNEST E., US
[73] BRAEBURN SYSTEMS LLC, US
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[54] **IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, AND IMAGE DECODING APPARATUS**
[54] **PROCEDE DE CODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE, DISPOSITIF DE CODAGE D'IMAGE ET DISPOSITIF DE DECODAGE D'IMAGE**
[72] WAHADANIAH, VIKTOR, SG
[72] LIM, CHONG SOON, SG
[72] NAING, SUE MON THET, SG
[72] SUN, HAI WEI, SG
[72] SUGIO, TOSHIYASU, JP
[72] NISHI, TAKAHIRO, JP
[72] SASAI, HISAO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] MATSUNOBU, TORU, JP
[72] TERADA, KENGO, JP
[73] SUN PATENT TRUST, US
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[51] **Int.Cl. B29C 70/30 (2006.01) B29C 70/18 (2006.01) C08J 5/04 (2006.01)**
[25] FR
[54] **METHOD FOR LAYING UP AND CONSOLIDATING DURING LAYING THERMOPLASTIC COMPOSITE COMPONENTS CONTAINING FIBROUS REINFORCEMENTS**
[54] **PROCEDE POUR LE DRAPAGE ET LA CONSOLIDATION A LA DEPOSE DE PIECES COMPOSITES THERMOPLASTIQUES A RENFORT FIBREUX**
[72] KURTZ, DIDIER, FR
[73] DAHER AEROSPACE, FR
[85] 2013-12-10
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[25] EN
[54] **COATED WOOD PRODUCTS AND METHOD OF PRODUCING COATED WOOD PRODUCTS**
[54] **PRODUITS EN BOIS REVETU ET PROCEDE DE PRODUCTION DE PRODUITS EN BOIS REVETU**
[72] JENSEN, HENRIK, DK
[72] REENBERG, THEIS, DK
[73] VALINGE PHOTOCATALYTIC AB, SE
[85] 2013-12-17
[86] 2012-06-21 (PCT/SE2012/050703)
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[25] EN
[54] **FLUID END OF A HIGH PRESSURE PUMP HAVING A GROOVE ADAPTED TO RECEIVE A RETAINER OF A SUCTION VALVE**
[54] **BOUT FLUIDIQUE D'UNE POMPE HAUTE PRESSION AYANT UNE RAINURE ADAPTEE POUR RECEVOIR UN DISPOSITIF DE RETENUE D'UNE SOUPAPE D'ASPIRATION**
[72] CHANDRASEKARAN, ARUN NAHENDRA RAJ, US
[72] DEGGINGER, CHRISTOPHER DOUGLAS, US
[72] HASH, GREGORY DAVID, US
[73] GARDNER DENVER, INC., US
[86] (2841493)
[87] (2841493)
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[25] EN
[54] **VIBRATION CONTROL SYSTEMS AND METHODS FOR INDUSTRIAL LIFT TRUCKS**
[54] **SYSTEMES DE CONTROLE DE VIBRATIONS ET PROCEDES DESTINES AUX CHARIOTS ELEVATEURS INDUSTRIELS**
[72] GONCALVES, FERNANDO D., US
[72] KIRK, JOHN BRYANT, US
[72] MEDWIN, STEVEN J., US
[73] THE RAYMOND CORPORATION, US
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[54] **HEAVY MACHINE-OPERATED SIEVE SCREEN BUCKET**
[54] **GODET A CRIBLE POUR EQUIPEMENT LOURD**
[72] JONNINEN, MARKKU, FI
[72] RAUTAMIES, ANTTI, FI
[73] ALLU FINLAND OY, FI
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[54] **ROUND SONOTRODE**
[54] **SONOTRODE ROND**
[72] SCHEU, JOCHEN, DE
[73] MS ULTRASCHALL TECHNOLOGIE GMBH, DE
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[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING MULTIMEDIA BROADCAST/MULTICAST SERVICE IN MOBILE COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR RECEVOIR UN SERVICE DE DIFFUSION/MULTIDIFFUSION MULTIMEDIA DANS UN SYSTEME DE COMMUNICATION MOBILE**
[72] JANG, JAE HYUK, KR
[72] VAN DER VELDE, HIMKE, GB
[72] VAN LIESHOUT, GERT-JAN, GB
[72] JEONG, KYEONG IN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **ESCALIER AJUSTABLE**
[72] GOUDREAU, LOUIS, CA
[73] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
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[54] **FATIGUE RESISTANT COILED TUBING**
[54] **TUBES SPIRALES RESISTANTS A LA FATIGUE**
[72] CRAVERO, SEBASTIAN, AR
[72] VALDEZ, MARTIN, AR
[72] MITRE, JORGE, US
[72] ERNST, HUGO ALEJANDRO, AR
[72] GLADCHTEIN, RICARDO SCHIFINI, AR
[73] TENARIS COILED TUBES, LLC, US
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[54] **FILM CUTTER**
[54] **COUPE-FILM**
[72] DE BRUIJN, BART JACOBUS HELENA, NL
[73] KUHN-GELDROP BV, NL
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[87] (2849641)
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[54] **AN ACTIVE TRIAC TRIGGERING CIRCUIT**
[54] **CIRCUIT DE DECLENCHEMENT A TRIAC ACTIF**
[72] LANDRY, DANIEL, US
[72] TOUSIGNANT, DANIEL, US
[72] DAHER, ALEX, US
[72] LUSSIER, MARCO, US
[73] ADEMCO INC., US
[86] (2849789)
[87] (2849789)
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[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 16/955 (2019.01)**
[25] EN
[54] **PRODUCT INFORMATION SYSTEM AND METHOD USING A TAG AND MOBILE DEVICE**
[54] **SYSTEME D'INFORMATION DE PRODUIT ET PROCEDE UTILISANT UNE ETIQUETTE ET UN DISPOSITIF MOBILE**
[72] RASBAND, PAUL BRENT, US
[72] HALL, STEWART E., US
[72] HO, WING KEI, US
[72] MOHIUDDIN, MOHAMMAD, US
[72] VAN NEST, NANCY LEE, US
[72] RAO, MANJUPRAKASH RAMA, IN
[72] RELIHAN, TIMOTHY J., US
[72] COPELAND, RICHARD L., US
[73] SENSORMATIC ELECTRONICS LLC, US
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[54] **A METHOD AND A SYSTEM FOR THE PURPOSE OF CONDITION MONITORING OF GEARBOXES**
[54] **PROCEDE ET SYSTEME PERMETTANT DE SURVEILLER L'ETAT DE BOITES DE VITESSES**
[72] KIVINIEMI, JOONAS, FI
[72] ELFSTROM, JUKKA, FI
[72] PYLVANEN, MARKUS, FI
[73] MOVENTAS GEARS OY, FI
[85] 2014-04-09
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[51] **Int.Cl. E21B 47/07 (2012.01) E21B 43/16 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE PRESENCE AND LOCATION OF A SUBSURFACE HYDROCARBON ACCUMULATION AND THE ORIGIN OF THE ASSOCIATED HYDROCARBONS**
[54] **PROCEDE POUR DETERMINER LA PRESENCE ET L'EMPLACEMENT D'UNE ACCUMULATION D'HYDROCARBURES SOUS LA SURFACE ET L'ORIGINE DES HYDROCARBURES ASSOCIES**
[72] POTTORF, ROBERT J., US
[72] LAWSON, MICHAEL, US
[72] MAY, STEVEN R., US
[72] DREYFUS, SEBASTIEN, US
[72] RAMAN, SUMATHY, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[51] **Int.Cl. A61M 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING THE BLOOD PRIMING VOLUME AND MEMBRANE SURFACE AREA IN MICROFLUIDIC LUNG ASSIST DEVICES**
[54] **PROCEDE DE REDUCTION DE LA ZONE DE SURFACE MEMBRANAIRE ET DU VOLUME D'AMORCAGE EN SANG DANS DES DISPOSITIFS D'ASSISTANCE PULMONAIRE MICROFLUIDIQUE**
[72] BORENSTEIN, JEFFREY T., US
[72] CHAREST, JOSEPH L., US
[72] HSIAO, JAMES C., US
[72] KNIAZEVA, TATIANA, US
[72] KIM, ERNEST, US
[72] EPSHTEYN, ALLA, US
[72] KOLACHALAMA, VIJAYA, US
[73] THE CHARLES STARK DRAPER LABORATORY, INC., US
[85] 2014-06-03
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[25] EN
[54] **DOUBLE-STRANDED RNA COMPOUNDS TO CASP2 AND USES THEREOF**
[54] **COMPOSES ARN DOUBLE BRIN DIRIGES CONTRE CASP2 ET LEURS UTILISATIONS**
[72] ERLICH, SHAI, US
[72] THOMPSON, JAMES D., US
[72] OZDEN, RABIA, US
[73] QUARK PHARMACEUTICALS, INC., US
[85] 2014-06-06
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[25] EN
[54] **PORTABLE MEDICATION DISPENSING CONTAINERS**
[54] **CONTENANTS PORTABLES DISTRIBUTEURS DE MEDICAMENTS**
[72] MUECKE, MELVIN, US
[72] HEFFRON, DAVID, US
[72] GODLEWSKI, PETER, US
[73] CAREFUSION 303, INC., US
[85] 2014-07-10
[86] 2013-01-16 (PCT/US2013/021778)
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[51] **Int.Cl. B42D 25/30 (2014.01) G07D 7/0043 (2016.01) G07D 7/005 (2016.01) B44F 1/10 (2006.01) G07D 7/12 (2016.01)**
[25] EN
[54] **SECURITY ELEMENT AND METHOD TO INSPECT AUTHENTICITY OF A PRINT**
[54] **ELEMENT DE SECURITE ET PROCEDE PERMETTANT D'INSPECTER L'AUTHENTICITE D'UNE IMPRESSION**
[72] BIRO, ATTILA, HU
[72] KRISTO, GABOR, HU
[72] REMENYI, PIROSKA (DECEASED), HU
[73] GLENISYS KFT., HU
[85] 2014-08-13
[86] 2013-02-15 (PCT/IB2013/051260)
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[51] **Int.Cl. G06Q 30/02 (2012.01)**
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[54] **RECOMMENDING A PERSONALIZED ENSEMBLE**
[54] **RECOMMANDATION D'UN ENSEMBLE PERSONNALISE**
[72] AINSWORTH, RICHARD BARBER, US
[72] BILLMAN, CHRISTIAN, US
[72] ELBERT, BEN, US
[72] CHILAKA, UCHENNA, US
[72] LEBER, KYLE, US
[72] KORRA, RAMESH, US
[72] MAUPIN, JONATHAN, US
[72] MEVES, DIANE, US
[73] COMENITY CANADA L.P., CA
[86] (2865348)
[87] (2865348)
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[25] EN
[54] **6-ALKYNYL PYRIDINES AS SMAC MIMETICS**
[54] **DERIVES 6-ALCYNYLPYRIDINES UTILISABLES COMME MIMETIQUES DE SMAC**
[72] REISER, ULRICH, DE
[72] BADER, GERD, DE
[72] SPEVAK, WALTER, DE
[72] STEFFEN, ANDREAS, DE
[72] PARKES, ALASTAIR L., DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2014-08-23
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[13] C
[51] **Int.Cl. H04W 56/00 (2009.01) H04W 24/00 (2009.01) H04B 7/005 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR QUASI CO-LOCATION IDENTIFICATION OF REFERENCE SYMBOL PORTS FOR COORDINATED MULTI-POINT COMMUNICATION SYSTEMS**
[54] **PROCEDE ET APPAREIL POUR L'IDENTIFICATION DE PORTS DE SYMBOLES DE REFERENCE PRESQUE COLOCALISES DANS LES SYSTEMES DE COMMUNICATION MULTIPOINT COORDONNEE**
[72] NG, BOON LOONG, US
[72] SAYANA, KRISHNA, US
[72] ZHANG, JIANZHONG, US
[72] NAM, YOUNG-HAN, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2014-08-27
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[30] US (61/635,742) 2012-04-19
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[13] C
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/052 (2006.01)**
[25] EN
[54] **SUPPORTIVE BELT ASSEMBLY FOR LOWER EXTREMITY ORTHOTIC DEVICES**
[54] **ENSEMBLE DE COURROIE DE SOUTIEN POUR DISPOSITIFS ORTHETIQUES POUR EXTREMITES INFERIEURES**
[72] LACHANCE, GENEVIEVE, CA
[72] BEDARD, STEPHANE, CA
[73] B-TEMIA INC., CA
[85] 2014-09-18
[86] 2012-03-21 (PCT/CA2012/000310)
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[51] **Int.Cl. B29C 64/268 (2017.01) B29C 64/153 (2017.01) B29C 64/277 (2017.01) B22F 3/105 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL MOLDING METHOD FOR MANUFACTURING THREE-DIMENSIONAL SHAPED MOLDING OBJECT**
[54] **METHODE DE MOULAGE TRIDIMENSIONNEL SERVANT A LA FABRICATION D'OBJET DE MOULAGE DE FORME TRIDIMENSIONNELLE**
[72] MAEDA, TOSHIO, JP
[72] TOMITA, SEIICHI, JP
[72] TAKEZAWA, YASUNORI, JP
[72] KATO, TOSHIHIKO, JP
[72] AMAYA, KOICHI, JP
[73] MATSUURA MACHINERY CORPORATION, JP
[86] (2869168)
[87] (2869168)
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[25] EN
[54] **PLANT GROWING SYSTEM CONTAINING A SUPER AMOUNT OF A CONTROLLED-RELEASED FERTILIZER AND METHODS OF USING THE SAME**
[54] **SYSTEME DE CULTURE DE PLANTES CONTENANT UNE QUANTITE SUPERIEURE D'UN ENGRAIS A LIBERATION CONTROLEE ET SES PROCEDES D'UTILISATION**
[72] HARRIMAN, ROBERT W., US
[72] MCNAMARA, TIM J., US
[72] CRAIG, JOSEPH L., US
[72] DIPAOLA, JOSEPH M., US
[72] PROHODSKI, ALEXANDER P., US
[73] OMS INVESTMENTS, INC., US
[73] SYNGENTA PARTICIPATIONS AG, CH
[85] 2014-09-30
[86] 2013-03-15 (PCT/US2013/032692)
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[51] **Int.Cl. H01M 12/06 (2006.01) B60L 50/70 (2019.01)**
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[54] **ELECTROLYTE SYSTEM AND METHOD OF PREPARATION THEREOF**
[54] **SYSTEME D'ELECTROLYTE ET SON PROCEDE DE PREPARATION**
[72] TZIDON, DEKEL, IL
[72] MELMAN, AVRAHAM, IL
[73] PHINERGY LTD., IL
[85] 2014-10-02
[86] 2013-03-15 (PCT/IL2013/050249)
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[25] EN
[54] **A FOAM DISPENSER**
[54] **DISTRIBUTEUR DE MOUSSE**
[72] BANKS, STEWART, PT
[72] LANG, CHRISTOPHER JAMES, GB
[72] LIMBERT, DEAN, GB
[72] CREAGHAN, DAVID MICHAEL ROSS, GB
[73] DEB IP LIMITED, GB
[85] 2014-10-16
[86] 2013-04-02 (PCT/EP2013/056901)
[87] (WO2013/160071)
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[25] EN
[54] **TURBINE WHEEL CATCHER**
[54] **PIEGE DE ROUE DE TURBINE**
[72] ALEXANDER, ERIC, J., US
[72] HAGSHENAS, BEHZAD, US
[72] ELGIN, RICHARD L., US
[73] UNITED TECHNOLOGIES CORPORATION, US
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[25] EN
[54] **IMPROVED CATALYST AND PROCESS FOR HYDROCONVERSION OF A HEAVY FEEDSTOCK**
[54] **CATALYSEUR AMELIORE ET PROCEDE D'HYDROCONVERSION D'UNE CHARGE D'ALIMENTATION LOURDE**
[72] KESTER, JOHN GEORGE, US
[72] KOMAR, DAVID ANDREW, US
[72] SHERWOOD, DAVID EDWARD, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[51] **Int.Cl. F02C 7/14 (2006.01) F01D 25/20 (2006.01) F02C 7/224 (2006.01)**
[25] FR
[54] **FLUID CIRCUIT IN A TURBINE ENGINE**
[54] **CIRCUIT DE FLUIDE DANS UNE TURBOMACHINE**
[72] MOTTET, LAURANNE SOPHIE, FR
[72] POTEL, NICOLAS, FR
[72] VERTENOEUIL, PHILIPPE, FR
[73] SNECMA, FR
[85] 2014-11-18
[86] 2013-05-30 (PCT/FR2013/051221)
[87] (WO2013/178956)
[30] FR (1255129) 2012-06-01

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[51] **Int.Cl. F41A 33/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FIREARM RECOIL SIMULATION**
[54] **PROCEDE ET APPAREIL POUR SIMULATION DE RECUL D'ARMES A FEU**
[72] MONTI, KYLE, US
[72] MARSE, DARYL, US
[73] HAPTECH, INC., US
[85] 2014-11-20
[86] 2013-05-22 (PCT/US2013/042142)
[87] (WO2014/028086)
[30] US (61/650,006) 2012-05-22
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[51] **Int.Cl. C07K 14/195 (2006.01) C07K 14/00 (2006.01) C07K 14/315 (2006.01) C07K 14/335 (2006.01) C07K 19/00 (2006.01) C12N 15/31 (2006.01) C07K 14/76 (2006.01)**
[25] EN
[54] **NON-NATURAL CONSENSUS ALBUMIN BINDING DOMAINS**
[54] **DOMAINES CONSENSUS NON ENDOGENES DE LIAISON A L'ALBUMINE**
[72] JACOBS, STEVEN, US
[73] JANSSEN BIOTECH, INC., US
[85] 2014-11-24
[86] 2013-05-23 (PCT/US2013/042429)
[87] (WO2013/177398)
[30] US (61/651,642) 2012-05-25
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[51] **Int.Cl. B08B 1/02 (2006.01) B08B 13/00 (2006.01)**
[25] EN
[54] **CONVEYOR BELT CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE COURROIE TRANSPORTEUSE**
[72] FOLEY, SHAWN M., CA
[72] SCHAERER, ALEXANDER R., CA
[72] SATZ, DENNIS J., CA
[73] FOLEY, SHAWN M., CA
[73] SCHAERER, ALEXANDER R., CA
[73] SATZ, DENNIS J., CA
[86] (2875048)
[87] (2875048)
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[51] **Int.Cl. H01L 41/257 (2013.01) A61F 2/44 (2006.01) A61L 27/40 (2006.01)**
[25] EN
[54] **PIEZOELECTRIC COMPOSITES AND METHODS OF MAKING**
[54] **COMPOSITES PIEZOELECTRIQUES ET PROCEDES DE FABRICATION DESDITS COMPOSITES**
[72] FRIIS, ELIZABETH ANNAMARIA, US
[72] DOMANN, JOHN PATRICK, US
[73] UNIVERSITY OF KANSAS, US
[85] 2014-12-11
[86] 2013-06-11 (PCT/US2013/045147)
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[30] US (61/658,727) 2012-06-12
[30] US (61/810,458) 2013-04-10

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[51] **Int.Cl. A61K 38/57 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **THE USE OF ANTITHROMBIN IN EXTRACORPOREAL MEMBRANE OXYGENATION**
[54] **UTILISATION D'ANTITHROMBINE DANS L'OXYGENATION DE MEMBRANE EXTRACORPORELLE**
[72] LOWRY, SIMON, US
[72] FRIELING, JOHAN, US
[73] LFB USA, INC., US
[85] 2015-01-21
[86] 2013-08-02 (PCT/US2013/053365)
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[54] **NOZZLE ARRANGEMENT**
[54] **ENSEMBLE BUSE**
[72] BARTELS, FRANK, DE
[72] RAWERT, JURGEN, DE
[73] SOFTHALE NV, BE
[85] 2015-01-29
[86] 2013-07-24 (PCT/DE2013/000406)
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[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/11 (2006.01) A61L 17/14 (2006.01)**
[25] EN
[54] **TISSUE FIXATION DEVICE**
[54] **DISPOSITIF DE FIXATION DE TISSU**
[72] BROOM, DANIEL, US
[72] STOPEK, JOSHUA, US
[72] SARGEANT, TIMOTHY, US
[72] MAIORINO, NICHOLAS, US
[72] DESAI, ARPAN, US
[72] BANERJEE, SAUMYA, US
[72] FLAVIN, TIMOTHY, US
[73] COVIDIEN LP, US
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[86] 2013-08-20 (PCT/US2013/055723)
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[30] US (61/692,351) 2012-08-23

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING SENSITIVE AND SPECIFIC ALARMS**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'ALARMES SENSIBLES ET SPECIFIQUES**
[72] BHAVARAJU, NARESH C., US
[72] COBELLI, CLAUDIO, IT
[72] FACCHINETTI, ANDREA, IT
[72] HAMPAPURAM, HARI, US
[72] KAMATH, APURV ULLAS, US
[72] RACK-GOMER, ANNA LEIGH, US
[72] SPARACINO, GIOVANNI, IT
[72] ZECCHIN, CHIARA, IT
[73] DEXCOM, INC., US
[85] 2015-02-13
[86] 2013-10-16 (PCT/US2013/065244)
[87] (WO2014/070456)
[30] US (61/720,286) 2012-10-30
[30] US (13/742,841) 2013-01-16
[30] US (13/742,694) 2013-01-16

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[13] C
[51] **Int.Cl. B65G 21/22 (2006.01) B65G 47/04 (2006.01) B67C 3/24 (2006.01)**
[25] EN
[54] **GUIDE RAIL SYSTEM WITH COVER ELEMENT**
[54] **SYSTEME DE RAIL-GUIDE COMPORTANT UN ELEMENT DE COUVERCLE**
[72] BELL, GLEN ALBERT, CA
[72] EAGLE, ALEX ESTEN, CA
[73] SEPTIMATECH GROUP INC., CA
[86] (2882922)
[87] (2882922)
[22] 2015-02-23
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[25] EN
[54] **COMPOSITION COMPRISING SCIRPUSIN A AND SCIRPUSIN B AND ANTI-OBESITY POTENTIAL THEREOF**
[54] **COMPOSITION COMPRENANT DE LA SCIRPUSINE A ET DE LA SCIRPUSINE B ET SON POTENTIEL ANTI-OBESITE**
[72] MAJEED, MUHAMMED, US
[72] KALYANAM, NAGABHUSHANAM, US
[72] KALMAN, DOUGLAS, US
[72] BHAT, BEENA, IN
[72] VAIDYANATHAN, PRITI, IN
[72] BANI, SARANG, IN
[72] PANDEY, ANJALI, IN
[73] MAJEED, MUHAMMED, US
[85] 2015-02-25
[86] 2013-07-17 (PCT/US2013/050940)
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[30] US (61/672,849) 2012-07-18

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[51] **Int.Cl. H04M 7/12 (2006.01) H04M 15/00 (2006.01) H04Q 11/04 (2006.01)**
[25] EN
[54] **CENTRAL SERVICES HUB FOR A TELECOMMUNICATIONS NETWORK**
[54] **CONCENTRATEUR DE SERVICES CENTRAL DESTINE A UN RESEAU DE TELECOMMUNICATIONS**
[72] TERPSTRA, RICHARD DEAN, US
[72] TSCHIRHART, DAVID ALLEN, US
[72] KARP, MATTHEW ABRAM, US
[72] OFFICER, MICHAEL JARED, US
[73] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2015-03-02
[86] 2013-09-13 (PCT/US2013/059785)
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[30] US (13/619,532) 2012-09-14

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[51] **Int.Cl. A61K 31/202 (2006.01) A61K 31/232 (2006.01) A61P 3/08 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION FOR REDUCING NEW-ONSET DIABETES**
[54] **COMPOSITION POUR REDUIRE DE NOUVELLES APPARITIONS DE DIABETE**
[72] OHTA, MASAHIKO, JP
[72] OIKAWA, SHINICHI, JP
[72] YOKOYAMA, MITSUHIRO, JP
[72] ORIGASA, HIDEKI, JP
[72] MATSUZAKI, MASUNORI, JP
[72] MATSUZAWA, YUJI, JP
[72] SAITO, YASUSHI, JP
[73] MOCHIDA PHARMACEUTICAL CO., LTD., JP
[85] 2015-03-25
[86] 2013-09-19 (PCT/JP2013/075287)
[87] (WO2014/050692)
[30] JP (2012-217553) 2012-09-28

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[13] C
[51] **Int.Cl. F23R 3/54 (2006.01)**
[25] EN
[54] **FLAMESHEET COMBUSTOR DOME**
[54] **DOME DE CHAMBRE DE COMBUSTION A FLAMME MINCE**
[72] STUTTAFORD, PETER JOHN, US
[72] JORGENSEN, STEPHEN, US
[72] HUI, TIMOTHY, US
[72] CHEN, YAN, US
[72] RIZKALLA, HANY, US
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[72] CHODACKI, THOMAS ANTHONY, US
[72] LANZONE, VINCENT, US
[72] LUSIGNAN, BRIAN MICHAEL, US
[72] TANGUAY, MICHAEL WILFRED, US
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[54] **TRAITEMENT DU CANCER AVEC DES INHIBITEURS DE KINASE TOR**
[72] MORTENSEN, DEBORAH, US
[72] RAYMON, HEATHER, US
[72] NARLA, RAMA K., US
[72] HEGE, KRISTEN MAE, US
[72] FULTZ, KIMBERLY ELIZABETH, US
[72] TSUJI, TOSHIYA, US
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[54] **DISPOSITIF A INFRAROUGE POUR CHAUFFAGE FOCALISE**
[72] ABILDGAARD, SOREN STIG, DK
[73] IR FOCUS APS, DK
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[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
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[54] **AIR EXHAUST TUBE HOLDER IN A TURBOMACHINE**
[54] **SUPPORT DE TUBE D'EVACUATION D'AIR DANS UNE TURBOMACHINE**
[72] SULTANA, PATRICK, FR
[72] BENSALAH, BOUCIF, FR
[72] DURAND, YANNICK, FR
[72] RENON, OLIVIER, FR
[73] SNECMA, FR
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[54] **4-(ORTHO)-FLUOROPHENYL)-5-FLUOROPYRIMIDIN-2-YL AMINES CONTENANT UN GROUPE SULFOXIMINE**
[72] LUCKING, ULRICH, DE
[72] KOSEMUND, DIRK, DE
[72] BOHLMANN, ROLF, DE
[72] SCHOLZ, ARNE, DE
[72] LIENAU, PHILIP, DE
[72] SIEMEISTER, GERHARD, DE
[72] BOMER, ULF, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **SYSTEM AND METHOD FOR PRODUCING TUBULAR CONCRETE PRODUCTS**
[54] **SYSTEME ET PROCEDE DE FABRICATION DE PRODUITS TUBULAIRES EN BETON**
[72] SCHLUSSELBAUER, JOHANN, AT
[72] SCHLUSSELBAUER, ULRICH, AU
[73] SCHLUSSELBAUER, JOHANN, AT
[73] SCHLUSSELBAUER, ULRICH, AT
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[54] **MECANISME DE SERRAGE DE CASSETTE**
[72] BAXTER, VINCENT A., US
[72] WILSON, DANIEL J., US
[73] ALCON INC., US
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[54] **SYSTEME DE PESEE POUR CHARGES MANIPULEES PAR UN EQUIPEMENT DE LEVAGE**
[72] OBERG, KARL, SE
[73] KOMATSU FOREST AB, SE
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[25] EN
[54] **ZINC AMINO ACID HALIDE COMPLEX WITH CYSTEINE**
[54] **COMPLEXE D'HALOGENURE D'ACIDE AMINE DE ZINC AVEC DE LA CYSTEINE**
[72] YUAN, SHAOTANG, US
[72] PAN, LONG, US
[72] DU-THUMM, LAURENCE D., US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2015-05-20
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[54] **STABLE AQUEOUS DISPERSION OF PARTICLE POLYMERS CONTAINING STRUCTURAL UNITS OF 2-(METHACRYLOYLOXY)ETHYL PHOSPHONIC ACID AND COMPOSITES THEREOF**
[54] **DISPERSION AQUEUSE STABLE DE POLYMERES PARTICULAIRES CONTENANT DES UNITES STRUCTURELLES D'ACIDE 2-(METHACRYLOYLOXY)ETHYL PHOSPHONIQUE ET COMPOSITES ASSOCIES**
[72] BOHLING, JAMES CHARLES, US
[72] BROWNELL, ARNOLD S., US
[72] SATHIOSATHAM, MUHUNTHAN, US
[73] ROHM AND HAAS COMPANY, US
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[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCTION RESERVOIR AND WELL MANAGEMENT USING CONTINUOUS CHEMICAL MEASUREMENT**
[54] **SYSTEME ET PROCEDE DE GESTION DE PUITS ET DE RESERVOIR DE PRODUCTION AU MOYEN DE MESURE CHIMIQUE CONTINUE**
[72] WEINER, DOUGLAS B., US
[72] PETRO, MIROSLAV, US
[72] DE BRUYKER, DIRK, US
[72] PIOTTI, MARCELO, US
[73] NEOTEK ENERGY, INC., US
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[54] **OUTIL DE COUPE ET PROCEDE DE GREFFAGE SUR VEGETAUX**
[72] MARCELLINO, FILIPPO, IT
[73] CENTRO SEIA S.R.L. SOCIETA' AGRICOLA, IT
[85] 2015-06-18
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[54] **INSTRUMENT MEDICAL PORTATIF ET SYSTEME D'ANALYSE D'UN LIQUIDE ORGANIQUE**
[72] CHEN, MING-WEN, TW
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-06-26
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[54] **METHODS AND COMPOSITIONS FOR RADIOHALOGEN PROTEIN LABELING**
[54] **PROCEDES ET COMPOSITIONS POUR LE MARQUAGE DE PROTEINE PAR UN RADIOHALOGENE**
[72] BOSWELL, CHARLES ANDREW, US
[72] KHAWLI, LESLIE, US
[72] MARIK, JAN, US
[72] WILLIAMS, SIMON, US
[73] GENENTECH, INC., US
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[54] **METHOD FOR SANITIZING FRESH PRODUCE**
[54] **PROCEDE DE DESINFECTION DE FRUITS ET LEGUMES FRAIS**
[72] DULL, BOB J., US
[72] BILLINGSLEY, ROGER DALE, US
[72] KHAIRULLAH, ABIZER MOIZ, US
[72] DEERING, AMANDA JANE, US
[72] KAWABATA, JESSICA OKANE, US
[72] THOMAS, JONNA MARIE, US
[73] DOLE FRESH VEGETABLES, INC., US
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[54] **METHOD FOR CHARACTERIZING THE CATALYST STRUCTURE IN A FUEL CELL AND FUEL CELL DESIGN SUITABLE THEREFOR**
[54] **PROCEDE DE CARACTERISATION DE LA STRUCTURE DU CATALYSEUR DANS UNE PILE A COMBUSTIBLE ET CONCEPTION DE PILE A COMBUSTIBLE APPROPRIEE POUR CELA**
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[73] FORSCHUNGSZENTRUM JULICH GMBH, DE
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[54] **ENVELOPPE D'EQUIPEMENT POUR WAGONNET A TREMIE**
[72] GIBNEY, RICHARD PETER, GB
[72] TURNER, DAVID THOMAS, GB
[72] HODGKINSON, PAUL, GB
[73] DRAX POWER LIMITED, GB
[85] 2015-08-07
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[54] **DISPOSITIF DE DEVITALISATION DE GRAINES DE MAUVAISES HERBES**
[72] BERRY, NICHOLAS KANE, AU
[72] SAUNDERS, CHRIS, AU
[73] GRAINS RESEARCH & DEVELOPMENT CORPORATION, AU
[73] UNIVERSITY OF SOUTH AUSTRALIA, AU
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[54] **SYSTEME DE TRANSPORT FLEXIBLE**
[72] LAURENCE, KEVIN J., US
[72] LAROSE, MICHAEL P., US
[73] KUKA SYSTEMS NORTH AMERICA LLC, US
[85] 2015-08-17
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[25] EN
[54] **AUSTENITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING HIGH ELASTIC LIMIT NONMAGNETIC STEEL MATERIAL USING THE SAME**
[54] **TOLE D'ACIER INOXYDABLE AUSTENITIQUE ET PROCEDE PERMETTANT DE PRODUIRE UN MATERIAU A BASE D'ACIER NON MAGNETIQUE A LIMITE D'ELASTICITE ELEVEE A PARTIR DE CETTE DERNIERE**
[72] MATSUBAYASHI, HIROYASU, JP
[72] NAKAMURA, SADAYUKI, JP
[72] HIROTA, RYOJI, JP
[73] NIPPON STEEL STAINLESS STEEL CORPORATION, JP
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[54] **METHOD AND APPARATUS FOR MEASURING RMS VALUES OF BURST-FIRED CURRENTS**
[54] **PROCEDE ET APPAREIL DE MESURE DE VALEURS QUADRATIQUES MOYENNES (RMS) DE COURANTS A DECLENCHEMENT EN SALVE**
[72] NGUYEN, HUY D., US
[72] LEE, TOM LIK-CHUNG, US
[73] NEILSEN-KULJIAN, INC., US
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[54] **UNDERDRAIN AND METHOD FOR TRANSFERRING FORCES AND DIRECTING FLOW**
[54] **DRAIN SOUTERRAIN, PROCEDE DE TRANSFERT DE FORCES ET GUIDAGE DE FLUX**
[72] BALL, CHRISTOPHER J., US
[72] BATES, BRIAN J., US
[72] SWEENEY, HOWARD J., US
[73] XYLEM WATER SOLUTIONS ZELIENOPLE LLC, US
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[54] **COMPACT DOSING DEVICE FOR AN INJECTOR WITH TWO FUEL CIRCUITS FOR AN AIRCRAFT TURBOMACHINE**
[54] **DISPOSITIF DE DOSAGE COMPACT POUR INJECTEUR A DEUX CIRCUITS DE CARBURANT POUR UNE TURBOMACHINE D'AERONEF**
[72] CHABAILLE, CHRISTOPHE, FR
[72] LOVAL, SEBASTIEN, FR
[73] SNECMA, FR
[85] 2015-08-31
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[30] FR (13 51946) 2013-03-05
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[54] **POLYESTER POLYOLS IMPARTING IMPROVED FLAMMABILITY PROPERTIES**
[54] **POLYOLS DE POLYESTER CONFERANT DES PROPRIETES D'INFLAMMABILITE AMELIOREES**
[72] WOLEK, SARAH, US
[72] KAPLAN, WARREN A., US
[72] SCHREINER, LAURA, US
[72] YAO, CHUNHUA, US
[72] NORBERG, DAVID J., US
[73] STEPAN COMPANY, US
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[25] EN
[54] **SLIDE SWITCH FOR A POWER TOOL**
[54] **INTERRUPTEUR A GLISSIERE POUR OUTIL ELECTRIQUE**
[72] OGLE, STUART, US
[72] LIAO, HSIU-KAI, US
[73] ROBERT BOSCH GMBH, DE
[73] ROBERT BOSCH TOOL CORPORATION, US
[85] 2015-09-14
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[51] **Int.Cl. H04L 12/16 (2006.01) G06F 16/951 (2019.01) H04L 9/32 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADDING FUNCTIONALITY TO WEB-BASED APPLICATIONS HAVING NO EXTENSIBILITY FEATURES**
[54] **SYSTEME ET METHODE D'AJOUT DE FONCTIONNALITE AUX APPLICATIONS FONDEES SUR LE WEB NE COMPORTANT PAS DE FONCTIONNALITES D'EXTENSIBILITE**
[72] KIMBER, RYAN DONALD, CA
[72] MUKHI, SAURABH, CA
[72] WONG, ALFRED KUO HUI, CA
[73] THINK RESEARCH CORPORATION, CA
[86] (2906649)
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[25] EN
[54] **ATTACHMENT MEANS FOR MOUNTING A BUMPER CROSS-BEAM ONTO A VEHICLE STRUCTURE**
[54] **MOYEN DE FIXATION A DES FINS DE MONTAGE D'UNE POUTRE TRANSVERSALE DE PARE-CHOCS SUR UNE STRUCTURE DE VEHICULE**
[72] KUTSCHER, MATTHIAS, DE
[72] SPAELTE, THOMAS, DE
[73] CONSTELLIUM SINGEN GMBH, DE
[85] 2015-09-23
[86] 2014-04-02 (PCT/EP2014/000875)
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[25] FR
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[54] **CAGOULE DE PROTECTION RESPIRATOIRE**
[72] MAKHLOUCHE, RACHID, FR
[72] CAZENAVE, JEAN-MICHEL, FR
[72] DUMONT, FREDDY, FR
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[72] ROSSIGNOL, BENOIT, FR
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[54] **PROCEDE ET APPAREIL PERMETTANT DE BORDER UN PANNEAU PLASTIQUE ONDULE, ET PANNEAU AINSI OBTENU**
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[73] K-HOLDING S.P.A., IT
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[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[72] JI, TINGFANG, US
[73] QUALCOMM INCORPORATED, US
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[54] **ENGRENAGE INTERIEUR CONIQUE**
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[72] STADTFELD, HERMANN J., US
[73] THE GLEASON WORKS, US
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[54] **METHODS AND SYSTEMS FOR DETERMINING BREAST DENSITY**
[54] **METHODES ET SYSTEMES DE DETERMINATION DE DENSITE MAMMAIRE**
[72] ABDOLELL, MOHAMED, CA
[72] HOPE, TYNA, CA
[72] ZABOLI, SHIVA, CA
[72] TSURUDA, KAITLYN, CA
[73] DENSITAS INCORPORATED, CA
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[73] HEADBANGER LURE AB, SE
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[54] **ENCODING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE CODAGE**
[72] LIU, ZEXIN, CN
[72] WANG, BIN, CN
[72] MIAO, LEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **FAUX CADRE ET PROCEDE DE RENFORCEMENT ASSOCIE**
[72] FENG, QING, CN
[72] ZHANG, JINGFEN, CN
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[54] **SERRURE A CYLINDRE ET CLE ASSOCIEE**
[72] FUSTINI, FAUSTO, IT
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[73] CISA S.P.A., IT
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[54] **AGENCEMENT DE SUPPORT DE CABLES ELECTRIQUES**
[72] O'REGAN, TIMOTHY M., US
[72] O'REGAN, TIMOTHY J., US
[72] WOLFARD, FRANK J., US
[72] O'REGAN, MICHAEL F., US
[73] ELECTRICAL MATERIALS COMPANY, US
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[54] **ENSEMBLE DE RACCORD RAPIDE**
[72] GOCHA, KENNETH, US
[72] KLINGER, GARY, US
[72] FREDERIKSEN, STEVE, US
[73] COOPER-STANDARD AUTOMOTIVE INC., US
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[54] **PRODUCTION D'UN PIGMENT ROUGE A BASE D'OXYDE DE FER**
[72] CZAPLIK, WALDEMAR, DE
[72] KISCHKEWITZ, JURGEN, DE
[72] OEHLERT, WOLFGANG, CN
[72] LI, HUAJUN, CN
[72] HOLTMANN, UDO, DE
[72] BLANKENMEYER-MENGE, BIRGIT, DE
[72] KETTELER, GUIDO, DE
[72] BARDOUN, ALFRED, DE
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[54] **DATA CONVERSION AND DISTRIBUTION SYSTEMS**
[54] **SYSTEMES DE CONVERSION ET DISTRIBUTION DE DONNEES**
[72] HADDAD, ROBERT NAJA, US
[73] INTERACTIVE DATA PRICING AND REFERENCE DATA LLC, US
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[54] **SERVING GATEWAY RELOCATION AND SECONDARY NODE ELIGIBILITY FOR DUAL CONNECTIVITY**
[54] **REAFFECTATION A UNE PASSERELLE DE DESSERTE ET POSSIBILITE POUR UN N□UD SECONDAIRE D'UTILISER UNE DOUBLE CONNECTIVITE**
[72] HORN, GAVIN BERNARD, US
[72] OZTURK, OZCAN, US
[73] QUALCOMM INCORPORATED, US
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[54] **FATTY ACID DERIVATIVES OF DIMERIC PEPTIDE LIGANDS OF PSD-95 AND USE THEREOF FOR TREATING EXCITOTOXIC DISEASE**
[54] **DERIVES D'ACIDES GRAS DE LIGANDS PEPTIDIQUES DIMERES DE PSD-95, ET L'UTILISATION DE CEUX-CI POUR LE TRAITEMENT DE MALADIES EXCITOTOXIQUES**
[72] STROMGAARD, KRISTIAN, DK
[72] BACH, ANDERS, DK
[72] NISSEN, KLAUS BERTRAM, DK
[73] UNIVERSITY OF COPENHAGEN, DK
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[54] **CONTROLE DE LA FORMATION DE CORPS DE COULEUR DANS UNE ESTERIFICATION D'ISOHEXIDE**
[72] STENSRUD, KENNETH, US
[72] HAGBERG, ERIK, US
[72] ROCKAFELLOW, ERIN, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
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[54] **SYSTEME ET PROCECE D'AIDE AU DIAGNOSTIC DE L'ETAT DE FONCTIONNEMENT D'UNE MACHINE TOURNANTE**
[72] SIVO, MICHEL, FR
[72] LOUISOT, ALAIN BERNARD DOMINIQUE, FR
[72] AMOR, DIDIER FRANCOIS HUGUES, FR
[73] HOWDEN SOLYVENT-VENTEC, FR
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[72] JENNINGS, CHRISTOPHER, US
[72] PELKA, KEVIN, US
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[54] **COMPOSITION AGROCHIMIQUE POUR LE TRAITEMENT DU FEUILLAGE**
[72] ARAI, HIROKAZU, JP
[72] NAKAJIMA, YUKIKO, JP
[72] IKEUCHI, TOSHIHIRO, JP
[72] SATO, ATSUSHI, JP
[73] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP
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[54] **A METHOD FOR THE TREATMENT OF CANCER BASED ON METALLOFULLERENE MONOCRYSTALLINE NANOPARTICLES SPECIFICALLY DISRUPTING TUMOR VESSELS**
[54] **PROCEDE DE TRAITEMENT D'UN CANCER SUR LA BASE DE NANOPARTICULES MONOCRYSTALLINES DE METALLOFULLERENE QUI BLOQUEENT SPECIFIQUEMENT LES VAISSEAUX SANGUINS TUMORAUX**
[72] WANG, CHUNRU, CN
[72] ZHEN, MINGMING, CN
[72] WANG, TAISHAN, CN
[72] SHU, CHUNYING, CN
[72] ZHANG, GUOQIANG, CN
[72] LI, JIE, CN
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[54] **CREME D'ESTRADIOL A FAIBLE DOSE**
[72] DEVRIES, TINA M., US
[72] ELLMAN, HERMAN, US
[73] ALLERGAN THERAPEUTICS LLC, US
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[54] **PROCEDE DE SOUDAGE DE CONDUITS FAITS DE TUBES A HAUTE RESISTANCE AVEC APPORT DE CHALEUR CONTROLE**
[72] REVEL-MUROZ, PAVEL ALEKSANDROVICH, RU
[72] CHENTSOV, ALEXANDER NIKOLAEVICH, RU
[72] KOLESNIKOV, OLEG IGOREVICH, RU
[72] GONCHAROV, NIKOLAY GEORGIEVICH, RU
[72] ZOTOV, MIKHAIL YUREVICH, RU
[72] SHOTER, PAVEL IVANOVICH, RU
[73] PUBLIC JOINT STOCK COMPANY "TRANSNEFT", RU
[73] JOINT-STOCK COMPANY "TRANSNEFT SIBERIA", RU
[73] LIMITED LIABILITY COMPANY "TRANSNEFT RESEARCH AND DEVELOPMENT INSTITUTE FOR OIL AND OIL PRODUCTS TRANSPORTATION", RU
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[54] **APPAREIL DE SOUDAGE**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[73] AOYAMA, SHOJI, JP
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[54] **ELIMINATION DES SULFURES PRESENTS DANS UN FLUX CAUSTIQUE USE PAR PASSAGE SUR DES CATALYSEURS ACTIFS EN PHASE SOLIDE**
[72] KANAPARTHI, RAMESH, IN
[72] RAO, PEDDY VENKATA CHALAPATHI, IN
[72] VENKATESWARLU, CHOUDARY NETTEM, IN
[72] GANDHAM, SRIGANESH, IN
[73] HINDUSTAN PETROLEUM CORPORATION LTD., IN
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[54] **MODULAR SYSTEM FOR DISTRIBUTING ELECTRICAL POWER AND DATA BETWEEN STRUCTURES**
[54] **SYSTEME MODULAIRE SERVANT A DISTRIBUER L'ALIMENTATION ELECTRIQUE ET LES DONNEES AUX STRUCTURES**
[72] SILVA, JAMES E., US
[72] TOFFLEMIRE, ANDREW JOHN, US
[72] JOHNSON, MICHAEL A., US
[72] ELLIOTT, SAMUEL J., US
[72] LEE, DAVID E., US
[73] THE BOEING COMPANY, US
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[87] (2949149)
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[54] **BAGUE DE RENFORT POUR CAPSULES POUR OBTENIR DES BOISSONS**
[72] RAPPARINI, GINO, IT
[73] RAPPARINI, GINO, IT
[85] 2016-11-29
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[25] EN
[54] **SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE SURFACE**
[72] THORNE, JASON, US
[73] SHARKNINJA OPERATING LLC, US
[85] 2016-12-05
[86] 2015-06-05 (PCT/US2015/034506)
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[54] **DEVICES AND METHODS FOR FACILITATING NON-ORTHOGONAL WIRELESS COMMUNICATIONS**
[54] **DISPOSITIFS ET PROCEDES POUR FACILITER LES COMMUNICATIONS SANS FIL NON ORTHOGONALES**
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] JI, TINGFANG, US
[72] SMEE, JOHN EDWARD, US
[72] BHUSHAN, NAGA, US
[72] MUKKAVILLI, KRISHNA KIRAN, US
[72] GOROKHOV, ALEXEI YURIEVITCH, US
[73] QUALCOMM INCORPORATED, US
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[30] US (62/010,122) 2014-06-10
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[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/55 (2013.01) G06F 16/903 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTI-STAGE IDENTITY AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION D'IDENTITE A PLUSIEURS ETAPES**
[72] LITTLE, KIMBERLY, US
[72] AMIN, MINOTI, US
[73] LEXISNEXIS RISK SOLUTIONS INC., US
[85] 2016-12-15
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[54] **UN DISPOSITIF D'IRRIGATION**
[72] KENDALL, JOHN W., CA
[73] KENDALL, JOHN W., CA
[86] (2956044)
[87] (2956044)
[22] 2017-01-25
[30] NZ (719443) 2016-04-27
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[54] **ORGANOSILICON-CONTAINING ELECTROLYTE COMPOSITIONS HAVING ENHANCED ELECTROCHEMICAL AND THERMAL STABILITY**
[54] **COMPOSITIONS D'ELECTROLYTE CONTENANT UN ORGANOSILICIUM A STABILITE ELECTROCHIMIQUE ET THERMIQUE AMELIOREE**
[72] DU, PENG, US
[72] POLLINA, MICHAEL, US
[72] USREY, MONICA, US
[72] GILBERT, DEBORAH, US
[72] ZHOU, LIU, US
[72] JOHNSON, TOBIAS, US
[73] SILATRONIX, INC., US
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[54] **MINERAL BASED COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS A BASE DE MINERAUX ET LEUR UTILISATION**
[72] RONEN, RAZIEL, IL
[73] ANJON BIOLOGICS, INC., US
[85] 2017-03-09
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[87] (WO2016/046726)
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[72] WANG, MIN MA, US
[72] SUNGAIL, CRAIG MICHAEL, US
[72] CHEN, XIN, US
[72] KAUFMAN, JONATHAN HARRY, US
[73] CRODA, INC., US
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[54] **COUVERCLES AMOVIBLES POUR DISPOSITIFS MEDICAUX A ELUTION DE MEDICAMENT**
[72] CULLY, EDWARD H., US
[72] DUNCAN, JEFFREY B., US
[72] HEICKSEN, PETER, US
[72] KOENIG, JOSEPH B., US
[72] KUSTUSCH, JEFFREY J., US
[73] W. L. GORE & ASSOCIATES, INC., US
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[54] **SUPPORT DE DONNEES AVEC SOURCE DE LUMIERE PLANE**
[72] KLUGE, STEFAN, DE
[73] GIESECKE+DEVRIENT MOBILE SECURITY GMBH, DE
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[54] **SEPARATOR PLATE AND ELECTROCHEMICAL SYSTEM**
[54] **PLAQUE DE SEPARATEUR ET SYSTEME ELECTROCHIMIQUE**
[72] STOHR, THOMAS, DE
[72] KUNZ, CLAUDIA, DE
[72] WENZEL, STEPHAN, DE
[73] REINZ-DICHTUNGS-GMBH, DE
[85] 2017-04-13
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[54] **KNOT FOR SUTURING AND SUTURING DEVICE**
[54] **N□UD POUR SUTURE ET DISPOSITIF DE SUTURE**
[72] YUK, SANG SOO, KR
[72] BAIK, EUN YOUNG, KR
[72] YUK, MIN SOO, KR
[72] YUK, GEUN JI, KR
[73] YUK, SANG SOO, KR
[73] BAIK, EUN YOUNG, KR
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[72] HUCK, KENNETH W., US
[73] TRINITY NORTH AMERICAN FREIGHT CAR, INC., US
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[54] **CHECKING DEVICE AND METHOD FOR CHECKING THE QUALITY OF FOLDABLE BOXES, AND MANUFACTURING INSTALLATION COMPRISING THIS CHECKING DEVICE**
[54] **DISPOSITIF ET PROCEDE DE CONTROLE DE LA QUALITE DE BOITES PLIABLES ET INSTALLATION DE FABRICATION COMPRENANT UN TEL DISPOSITIF DE CONTROLE**
[72] AMOROS, ROBERT, FR
[72] ROSSET, BENOIT, FR
[73] BOBST LYON, FR
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[54] **MOTOR OIL BLEND FOR MODIFYING THE PLASTIC RESPONSE OF STEEL**
[54] **MELANGE D'HUILE A MOTEUR SERVANT A MODIFIER LA REPONSE PLASTIQUE DE L'ACIER**
[72] SLOAN, RONALD J., US
[73] BESTLINE INTERNATIONAL RESEARCH, INC., US
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[54] **DISPOSITIF DE READAPTATION DE MEMBRE**
[72] TURNER, PETER ANTHONY, CA
[72] GRADILONE, DINO, CA
[73] KUSU INC., CA
[85] 2017-07-28
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[25] EN
[54] **DEVICE AND METHOD FOR FORMING AND DIVIDING OF AT LEAST ONE STRING-SHAPED PASTY FOODSTUFF INTO SLICE-SHAPED PRODUCTS**
[54] **APPAREIL ET METHODE DE FORMATION ET DIVISION D'AU MOINS UN PRODUIT ALIMENTAIRE DE PATISSERIE EN FORME DE FICELLE EN PRODUITS EN FORME DE TRANCHE**
[72] BACHTLE, MANFRED, DE
[72] REUTTER, SIEGFRIED, DE
[72] CRET, CLAUDIU, DE
[72] TEUFEL, DANIEL, DE
[72] WERNER, ACHIM, DE
[72] WILLBURGER, PETER, DE
[72] HAID, SIMON, DE
[73] ALBERT HANDTMANN MASCHINENFABRIK GMBH & CO. KG, DE
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[54] **IMPROVED BANDING DEVICE FOR TREATING HEMMORRHOIDS AND RELOADING DEVICE**
[54] **DISPOSITIF DE BANDAGE PERFECTIONNE POUR TRAITEMENT DES HEMORROIDES ET DISPOSITIF DE RECHARGEMENT**
[72] NAYAR, DEVJIT S., US
[73] SPACEBANDER CORPORATION, US
[85] 2017-08-15
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[25] EN
[54] **REFLECTOR HAVING AN ELECTRONIC CIRCUIT AND ANTENNA DEVICE HAVING A REFLECTOR**
[54] **REFLECTEUR DOTE D'UN CIRCUIT ELECTRONIQUE ET SYSTEME D'ANTENNE DOTE D'UN REFLECTEUR**
[72] VISENTIN, TRISTAN, DE
[72] KEUSGEN, WILHELM, DE
[72] WEILER, RICHARD JURGEN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD FOR PACKAGES OF SHUFFLED PLAYING CARDS**
[54] **SYSTEME DE GESTION ET METHODE DE GESTION DE PAQUETS DE CARTES A JOUER BATTUES**
[72] SHIGETA, YASUSHI, JP
[73] ANGEL PLAYING CARDS CO., LTD., JP
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[25] EN
[54] **MODULAR TESTING DEVICE FOR ANALYZING BIOLOGICAL SAMPLES**
[54] **DISPOSITIF D'ESSAI MODULAIRE POUR ANALYSER DES ECHANTILLONS BIOLOGIQUES**
[72] MISCHE, HANS, US
[72] PEXSA, GRANT, US
[72] BAUMGARTNER, MARK, US
[72] HODGSON, CORY, US
[72] BRISTOW, ANDREW, US
[72] STECKELBERG, JOHN, US
[72] PATTERSON, JARED, US
[73] AGDIA INC., US
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[86] 2016-03-25 (PCT/US2016/024260)
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[51] **Int.Cl. H01S 5/024 (2006.01) H01S 5/022 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR LASER LIGHT SOURCE DEVICE, SEMICONDUCTOR LASER LIGHT SOURCE SYSTEM, AND IMAGE DISPLAY APARATUS**
[54] **DISPOSITIF DE TRANSMISSION DE LA LUMIERE LASER A SEMICONDUCTEUR, SYSTEMEDE TRANSMISSION DE LA LUMIERE LASER A SEMICONDUCTEUR ET APPAREIL D'AFFICHAGE D'IMAGES**
[72] MURAI, HIDEYUKI, JP
[72] HIROSE, TATSURO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2017-09-12
[86] 2015-11-27 (PCT/JP2015/083458)
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[51] **Int.Cl. C11D 1/04 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **SOIL RELEASE POLYMER IN A SOLID SOUR**
[54] **POLYMERE FACILITANT LE LAVAGE DANS UN ACIDE SOLIDE**
[72] LUNDBERG, STEVEN, US
[72] FAST, JONATHAN P., US
[72] HEI, ROBERT D. P., US
[73] ECOLAB USA INC., US
[85] 2017-09-14
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[25] EN
[54] **STRUCTURE MANUFACTURING DEVICE AND STRUCTURE MANUFACTURING METHOD**
[54] **APPAREIL DE FABRICATION DE STRUCTURE ET METHODE DE FABRICATION DE STRUCTURE**
[72] KAMIHARA, NOBUYUKI, JP
[72] ABE, TOSHIO, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-09-22
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[54] **CELL SELECTION PROCEDURES FOR MACHINE TYPE COMMUNICATION DEVICES SUPPORTING COVERAGE ENHANCEMENT**
[54] **PROCEDURES DE SELECTION DE CELLULE POUR DISPOSITIFS DE COMMUNICATION DE TYPE MACHINE PRENANT EN CHARGE UNE AMELIORATION DE COUVERTURE**
[72] WANG, RENQIU, US
[72] VAJAPEYAM, MADHAVAN SRINIVASAN, US
[72] XU, HAO, US
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[73] QUALCOMM INCORPORATED, US
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[51] **Int.Cl. B60Q 3/51 (2017.01) B60Q 3/20 (2017.01) B60Q 3/62 (2017.01)**
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[54] **OVERHEAD CONSOLE AND VEHICLE-BODY UPPER STRUCTURE**
[54] **CONSOLE EN SURPLOMB ET STRUCTURE SUPERIEURE DE CORPS DE VEHICULE**
[72] SATO, HARUKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2981804)
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[22] 2017-10-06
[30] JP (2016-215423) 2016-11-02

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[51] **Int.Cl. B01D 61/42 (2006.01) C01D 15/00 (2006.01) C01D 15/02 (2006.01) C01D 15/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING LITHIUM HYDROXIDE AND LITHIUM CARBONATE, AND DEVICE THEREFOR**
[54] **PROCEDE DE FABRICATION D'HYDROXYDE DE LITHIUM ET DE CARBONATE DE LITHIUM, ET DISPOSITIF CORRESPONDANT**
[72] PARK, SUNG KOOK, KR
[72] PARK, KWANG SEOK, KR
[72] LEE, SANG GIL, KR
[72] JUNG, WOO CHUL, KR
[72] KIM, KI YOUNG, KR
[72] LEE, HYUN WOO, KR
[73] RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY, KR
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[30] KR (10-2015-0061914) 2015-04-30
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[51] **Int.Cl. D21C 11/12 (2006.01) F22B 19/00 (2006.01) F22G 3/00 (2006.01)**
[25] EN
[54] **CHEMICAL RECOVERY BOILER**
[54] **CHAUDIERE DE RECUPERATION DE PRODUIT CHIMIQUE**
[72] NYMAN, JUSSI, FI
[72] RAJALA, TAISTO, FI
[72] SAARELA, ARI, FI
[73] VALMET TECHNOLOGIES OY, FI
[86] (2986328)
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[25] EN
[54] **SURFACE IMMOBILIZATION OF AN ANALYTE-RECOGNIZING MOLECULE**
[54] **IMMOBILISATION EN SURFACE D'UNE MOLECULE DE RECONNAISSANCE D'ANALYTE**
[72] VOS, RITA, BE
[72] JANS, KAROLIEN, BE
[72] STAKENBORG, TIM, BE
[73] IMEC VZW, BE
[85] 2017-12-11
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[54] **HEATABLE WEAR DEVICE**
[54] **DISPOSITIF D'USURE CHAUFFANT**
[72] CHUNG, KUO-HUA, CN
[73] CARMMING INTERNATIONAL, CN
[86] (2991514)
[87] (2991514)
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[54] **SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER**
[54] **EMETTEUR-RECEPTEUR BRANCHABLE A PETIT FACTEUR**
[72] CHEN, YI-MING, CN
[73] AXCEN PHOTONICS CORP., TW
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[54] **A DIFFERENTIAL CHAOS SHIFT KEYING (DCSK) BASED ON HYBRID CHAOTIC SYSTEM**
[54] **PROCEDE DE COMMUNICATION A MODULATION PAR DEPLACEMENT DE CHAOS DIFFERENTIELLE BASE SUR UN SYSTEME HYBRIDE**
[72] REN, HAIPENG, CN
[73] XI'AN UNIVERSITY OF TECHNOLOGY, CN
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[54] **PHOTODETECTOR USING GERMANIUM ON A SILICON SUBSTRATE**
[54] **PHOTODETECTEUR EMPLOYANT DU GERMANIUM SUR UN SUBSTRAT DE SILICIUM**
[72] FUKUDA, HIROSHI, JP
[72] KAMEI, SHIN, JP
[72] TSUZUKI, KEN, JP
[72] JIZODO, MAKOTO, JP
[72] KIKUCHI, KIYOFUMI, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
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[25] EN
[54] **METHOD FOR MANUFACTURING A FERMENTATION PRODUCT CONTAINING PROPIONATE AND ACETATE COMPRISING A STEP OF REMOVING CARBONATE-DERIVED COMPOUNDS**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT DE FERMENTATION CONTENANT DU PROPION ATE ET DE L'ACETATE COMPRENANT UNEETAPE D'ELIMINATION DE COMPOSES DERIV ES DE**
[72] VISSER, DIANA, NL
[72] SLIEKERS, ARNE OLAV, NL
[72] KON, ADRIAAN DIRK, NL
[73] PURAC BIOCHEM BV, NL
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[25] EN
[54] **AGONISTS THAT ENHANCE BINDING OF INTEGRIN-EXPRESSING CELLS TO INTEGRIN RECEPTORS**
[54] **AGONISTES AMELIORANT LA LIAISON DE CELLULES EXPRIMANT DES INTEGRINES A DES RECEPTEURS D'INTEGRINES**
[72] BIEDIGER, RONALD J., US
[72] GUNDLACH, C. WILLIAM, IV, US
[72] MARKET, ROBERT V., US
[72] SAVAGE, MICHAEL M., US
[72] VANDERSLICE, PETER, US
[73] TEXAS HEART INSTITUTE, US
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[25] EN
[54] **DIFFERENTIAL OUTPUT OF ANALOG MEMORIES STORING NANOPORE MEASUREMENT SAMPLES**
[54] **SORTIE DIFFERENTIELLE DE MEMOIRES ANALOGIQUES STOCKANT DES ECHANTILLONS DE MESURE DE NANOPORE**
[72] MANEY, BILL, US
[72] FERNANDEZ-GOMEZ, SANTIAGO, US
[72] TIAN, HUI, US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **APPLICATEURS POUR SAISIR DES CATHETERS URINAIRES ET ENSEMBLES CATHETERS COMPRENANT CEUX-CI**
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[72] CREAVEN, MARTIN P., IE
[72] KNAUZ, DAVID A., US
[72] MARCH, DANIEL A., US
[73] HOLLISTER INCORPORATED, US
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[54] **PROCEDE INDUSTRIEL DE PREPARATION DE GRAPHENE DE GRANDE TAILLE**
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[72] XU, DONGCHUN, CN
[73] SU-ZHOU CSTAR MATERIAL TECHNOLOGY CO., LTD, CN
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[54] **COMMUNICATIONS DEVICE WITH ANTENNA ELEMENT LAYOUT RELATIVE TO CHAMFERED VERTEX OF MOUNTING PLANE**
[54] **DISPOSITIF DE COMMUNICATION COMPORTANT UNE DISPOSITION D'ELEMENT D'ANTENNE PAR RAPPORT A L'ARRETE CHANFREINEE D'UNE PLAQUE D'INSTALLATION**
[72] DENG, CHANGSHUN, CN
[72] LIU, CHUAN, CN
[72] LONG, KE, CN
[72] ZHAO, SHUCHEN, CN
[72] YAN, JI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **COMMANDE D'ASSECHEUR D'AIR UTILISANT L'HUMIDITE**
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[73] NEW YORK AIR BRAKE LLC, US
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[54] **METHOD FOR PRODUCING A WORKPIECE THROUGH GENERATIVE MANUFACTURING, AND CORRESPONDING WORKPIECE**
[54] **PROCEDE DE FABRICATION D'UNE PIECE PAR FABRICATION ADDITIVE, ET PIECE CORRESPONDANTE**
[72] BRUNHUBER, CHRISTIAN, DE
[72] DENNELER, STEFAN, DE
[72] FISCHLE, MORITZ, DE
[72] HANEBUTH, HENNING, DE
[72] WALTER, STEFFEN, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **CONVERTISSEUR MULTI-NIVEAUX HYBRIDE A MOYENNE TENSION ET PROCEDE DE COMMANDE DE CONVERTISSEUR MULTI-NIVEAUX HYBRIDE A MOYENNE TENSION**
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[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[73] ROWE HOLDING GMBH, DE
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[54] **SYSTEME ET METHODE D'APPLICATION D'UNE CONTRAINTE A UN ELEMENT DE RENFORT**
[72] LEESMAN, JOHN H., US
[72] MORRIS, GRAHAM C. G., US
[72] MOORE, TRACY S., US
[73] MORTON BUILDINGS, INC., US
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[54] **CIRCUIT OPTIQUE EN SILICIUM POUR DETECTER DES DEFAUTS DANS UN ELEMENT DECIRCUIT OPTIQUE POSSEDANT DES CARACTERISTIQUES DE TRANSMITTANCE**
[72] KAMEI, SHIN, JP
[72] JIZODO, MAKOTO, JP
[72] TAKEDA, KOTARO, JP
[72] FUKUDA, HIROSHI, JP
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[54] **SYSTEME ET PROCEDE POUR UNE MOBILITE SANS DISCONTINUITE DE SESSIONS D'UTILISATEUR AVEC CONNECTIVITE A ACCES MULTIPLES**
[72] KOODLI, RAJEEV, US
[72] SIPRA, HASSAN, US
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[73] GOOGLE LLC, US
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[54] **DISPOSITIF A PRESSION EXPIRATOIRE POSITIVE OSCILLANTE**
[72] MEYER, ADAM, CA
[72] ENGELBRETH, DAN, CA
[73] TRUDELL MEDICAL INTERNATIONAL, CA
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[54] **GENERATION ET ENVOI DE DONNEES DE PAIEMENT CHIFFREES ENTRE DES DISPOSITIFS INFORMATIQUES POUR EFFECTUER UN TRANSFERT DE FONDS**
[72] FOUREZ, PABLO, US
[72] MILLER, MATTHEW JAMES, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **ENSEMBLE MOTEUR PIEZOELECTRIQUE**
[72] HARTMAN, NICHOLAS GERARD, CA
[72] DIETRICH, JENNIFER MICHELE, CA
[72] BARBERI, ENZO ANTONIO, CA
[72] MILLER, DAVID JOHN MUNRO, CA
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[54] **PROCEDE PERMETTANT D'OBTENIR UN RESEAU WI-FI VIRTUEL COMPORTANT UN TUNNEL SECURISE**
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[73] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
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[54] **APPAREIL DE REGULATION DE FERMENTATION D'UNE MATIERE NATURELLE**
[72] PESONEN, NADINE, FI
[72] GUERRE, ROLAND, FI
[73] QUANTURI OY, FI
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[54] **APPAREIL POUR ISOLER UN PROTECTEUR DE RESEAU DANS UN RESEAU DE DISTRIBUTION D'ENERGIE ELECTRIQUE**
[72] O'REGAN, TIMOTHY M., US
[72] O'REGAN, TIMOTHY J., US
[73] ELECTRICAL MATERIALS COMPANY, US
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[54] **FILM DE RECOUVREMENT DANS LE DUODENUM**
[72] WAN, PING, CN
[73] WAN, PING, CN
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[54] **METHOD AND APPARATUS FOR APPLYING LIQUID NUTRIENTS BETWEEN PARALLEL ROWS OF STANDING CROPS**
[54] **METHODE ET APPAREIL D'APPLICATION DE NUTRIMENTS LIQUIDES ENTRE LES RANGEES PARALLELES DE CULTURES SUR PIED**
[72] ALIG, DAVID DALE, US
[72] ALIG, GREGORY K., US
[72] ALIG, RICK E., US
[73] ALIG ENVIRONMENTAL SOLUTIONS, LLC, US
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[54] **ROUE A AUBES POUR ANGLES DE PALE DE VENTILATEUR**
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[72] LIU, YI, CN
[72] ZHOU, JIAJIE, CN
[72] MAO, ZHONGQUN, CN
[72] ZHU, YONGDING, CN
[72] LIU, GE, CN
[73] NINGBO FOTILE KITCHEN WARE CO., LTD, CN
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[54] **PROCESS OF MANUFACTURING A STABLE, READY TO USE INFUSION BAG FOR AN OXIDATION SENSITIVE FORMULATION**
[54] **PROCEDE DE FABRICATION D'UNE POCHE POUR PERFUSION INTRAVEINEUSE STABLE ET PRETE A L'EMPLOI POUR UNE FORMULATION SENSIBLE A L'OXYDATION**
[72] HINGORANI, TUSHAR, US
[72] KUNADHARAJU, SASANK CHAITANYA, US
[72] MALKAN, TUSHAR, US
[72] PEJAVER, SATISH, US
[73] INNOPHARMA, INC., US
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[54] **RELIABILITY EVALUATION METHOD FOR HOIST MAIN SHAFT OF KILOMETER-DEEP MINE CONSIDERING MULTIPLE FAILURE MODES**
[54] **METHODE D'EVALUATION DE LA FIABILITE DESTINEE A UN ARBRE PRINCIPAL DE TREUIL D'UNE MINE AYANT UNE PROFONDEUR EN KILOMETRE TENANT COMPTE DE PLUSIEURS MODES D'ECHEC**
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[72] ZHU, ZHENCAI, CN
[72] CAO, GUOHUA, CN
[72] ZHOU, GONGBO, CN
[72] LI, WEI, CN
[72] PENG, YUXING, CN
[72] SHEN, GANG, CN
[72] WANG, DAGANG, CN
[72] JIANG, FAN, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] XUZHOU COAL MINE SAFETY EQUIPMENT MANUFACTURE CO., LTD., CN
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[54] **CASQUE DE HOCKEY AJUSTABLE**
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[73] BAUER HOCKEY LTD., CA
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[54] **AGREGATS OPACIFIANTS DESTINES A ETRE UTILISES DANS DES COMPOSITIONS DE PEINTURE**
[72] REUTER, JAMES M., US
[72] WALKER, JOSEPH K., JR., US
[72] BANYOTS, CHASE, US
[73] THE SHERWIN-WILLIAMS COMPANY, US
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[54] **PROCEDE DE PRODUCTION D'UNE BOISSON ET PROCEDE D'AMELIORATION DE L'AROME D'UNE BOISSON**
[72] MORITA, SUSUMU, JP
[72] TAKAOKA, TOMOKAZU, JP
[72] HARADA, HIDEO, JP
[72] ISHIBASHI, NOBUCHIKA, JP
[72] KANDA, HAJIME, JP
[72] IKUTANI, RYUMA, JP
[73] SAPPORO BREWERIES LIMITED, JP
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[54] **STRUCTURAL INSULATED PANEL FRAMING SYSTEM WITH A RADIANT BARRIER**
[54] **SYSTEME DE CADRAGE DE PANNEAU ISOLE STRUCTURAL COMPORTANT UNE BARRIERE RAYONNANTE**
[72] CARLSON, CARL ARTHUR, US
[73] CARLSON, CARL ARTHUR, US
[86] (3017865)
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[54] **TUYAU D'EAU A MULTICOUCHE RETRACTABLE SIMULTANEMENT**
[72] DAI, SONGLIN, CN
[73] ZHEJIANG HELEN PLASTIC CO., LTD., CN
[86] (3018228)
[87] (3018228)
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[54] **TUYAU D'EAU RETRACTABLE MULTICOUCHE ETANCHE**
[72] DAI, SONGLIN, CN
[73] ZHEJIANG HELEN PLASTIC CO., LTD., CN
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[54] **AIGUILLE JETABLE AMELIOREE DE PRISE DE SANG SANS DANGER A PROFONDEUR DE PERFORATION REGLABLE**
[72] SHI, GUOPING, CN
[73] STERILANCE MEDICAL (SUZHOU) INC., CN
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[86] 2017-03-21 (PCT/CN2017/077518)
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[54] **ISOLANT DE BLOC DE BETON**
[72] PORTER, RICHARD AYERS, US
[73] CFI FOAM, INC., US
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[54] **MESURE D'IMPEDANCE DE MASSE D'UN SYSTEME DE CONDUITE**
[72] FREER, BENJAMIN AVERY, US
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **PROCEDES DE TRAITEMENT THERMIQUE EN VOL DE POUDRES METALLIQUES REACTIVES**
[72] LAROUCHE, FREDERIC, CA
[72] MARION, FREDERIC, CA
[72] BALMAYER, MATTHIEU, CA
[73] AP&C ADVANCED POWDERS & COATINGS INC., CA
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[25] EN
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[54] **SYSTEMES DE MODIFICATEURS POLAIRES POUR COPOLYMERISATION DE SEQUENCES A TENEUR ELEVEE EN VINYLE**
[72] ELIZARRARAS MAYA, DANIEL ABRAHAM, MX
[72] HARDIMAN, CHRISTOPHER J., US
[72] CORONA GALVAN, SERGIO, ES
[72] MOCTEZUMA ESPIRICUETO, SERGIO ALBERTO, MX
[72] RODRIGUEZ GUADARRAMA, LUIS ANTONIO, ES
[73] DYNASOL ELASTOMEROS, S.A. DE C.V., MX
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[54] **GATEWAY POLICY ENFORCEMENT AND SERVICE METADATA BINDING**
[54] **APPLICATION DE POLITIQUE DE PASSERELLE ET ASSOCIATION DE METADONNEES DE SERVICE**
[72] WEBB, JASON MICHAEL, US
[72] JERE, AMIT RAMCHANDRA, US
[72] BARNES, THOMAS, US
[72] BOUSSAROV, MIROSLAV SVETOSLAVOV, US
[72] KULKARNI, VIRAJ RAGHUNATH, US
[72] SAWANT, SHAILESH SHAMARAO, US
[72] SHENOY, SANTOSH, US
[72] OBENDORF, MICHAEL SCOTT, US
[73] INTUIT INC., US
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[54] **STATION DE DISTRIBUTION MOBILE COMPORTANT UN INJECTEUR ADDITIF**
[72] SHOCK, RICKY DEAN, US
[73] FUEL AUTOMATION STATION, LLC, US
[86] (3022380)
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[54] **ELECTRICAL EQUIPMENT WITH RUPTURE OIL DEFLECTOR**
[54] **MATERIEL ELECTRIQUE AVEC DEFLECTEUR D'HUILE DE RUPTURE**
[72] BRODEUR, SAMUEL, CA
[72] LAMOTHE, PATRICE, CA
[72] COTE, ALEXANDRE, CA
[72] LAMBERT, CLAUDE, CA
[73] ABB SCHWEIZ AG, CH
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[54] **ROASTING AND GLAZING APPARATUS, ROASTING AND GLAZING METHOD, AND METHOD FOR CLEANING A ROASTING AND GLAZING APPARATUS**
[54] **APPAREIL DE TORREFACTION ET DE GLACAGE, PROCEDE DE TORREFACTION ET DE GLACAGE, ET PROCEDE DE NETTOYAGE D'APPAREIL DE TORREFACTION ET DE GLACAGE**
[72] MONTOYA, THOMAS, US
[72] WURZEL, MARK, US
[72] SANK, DAVID, US
[72] WURZEL, LAWRENCE, US
[72] NAGLE, STEVEN, US
[72] DELAURO, ROBERT, US
[72] RIORDAN, BARBARA, US
[72] CHUNG-YING, HANIF, US
[72] LEVIN, JUDITH, US
[72] HARRISON, CHRISTA, US
[72] IRWIN, ANDREW, US
[72] SAXTON, DUANE, US
[72] BLAKELOCK, KEVIN, US
[72] ANTES, KENNETH, US
[72] WHATLEY, MARK, US
[72] BEILIN, RONALD, US
[72] TESSLER, BARNETT, US
[73] CALICO COTTAGE, INC., US
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[54] **METHODS, SYSTEMS AND DEVICES FOR HUMIDIFYING A RESPIRATORY TRACT**
[54] **PROCEDES, SYSTEMES ET DISPOSITIFS D'HUMIDIFICATION DE VOIES RESPIRATOIRES**
[72] WONDKA, ANTHONY D., US
[72] CIPOLLONE, JOSEPH, US
[72] KASSANIS, GEORGE A., US
[72] ALLUM, TODD W., US
[72] BRAMBILLA, ENRICO, US
[73] BREATHE TECHNOLOGIES, INC., US
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[54] **MULTI-PART SYMMETRICAL FUSE ASSEMBLY**
[54] **ASSEMBLAGE DE FUSIBLE SYMETRIQUE MULTIPIECE**
[72] SIEGWALD, NATHAN C., US
[72] KURTZ, DUSTIN, US
[73] LITTELFUSE, INC., US
[86] (3028663)
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[54] **METHOD AND UNIT FOR HARVESTING AND PROCESSING WATER HYACINTHS**
[54] **PROCEDE ET UNITE DE RECOLTE ET DE TRAITEMENT DES JACINTHES D'EAU**
[72] BAHADORANI, REBEKA, BE
[72] BONO, PIERRE, FR
[73] IN-BETWEEN SA, BE
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[54] **PONDING WATER DETECTION ON SATELLITE IMAGERY**
[54] **DETECTION D'ACCUMULATION D'EAU SUR UNE IMAGERIE SATELLITE**
[72] WEI, GUAN, US
[72] KHADKA, PRAMITHUS, US
[73] THE CLIMATE CORPORATION, US
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[54] **MAGNETIC STRUT CHANNEL FITTING**
[54] **RACCORD DE CANAL D'ENTRETOISE MAGNETIQUE**
[72] EDWARDS, DANIEL P., US
[72] BRANNEN, SHAUN M., US
[73] THOMAS & BETTS INTERNATIONAL LLC, US
[85] 2018-12-21
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[54] **VERIFICATION OF SENSOR DATA**
[54] **VERIFICATION DE DONNEES DE CAPTEUR**
[72] ASCHAUER, HANS, DE
[72] FEIST, CHRISTIAN PETER, DE
[72] PFAU, AXEL, DE
[72] SCHNEIDER, DANIEL, DE
[72] FALK, RAINER, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **FUEL CELL DEVICE AND VEHICLE WITH THE SAME MOUNTED THEREON**
[54] **DISPOSITIF DE PILE A COMBUSTIBLE ET VEHICULE EQUIPE DUDIT DISPOSITIF INSTALLE**
[72] HAMADA, HITOSHI, JP
[72] KANAZAWA, HIDEYUKI, JP
[72] KOBAYASHI, TERUFUMI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[54] **ASSEMBLY DEVICE FOR STACKING A FUEL CELL STACK**
[54] **DISPOSITIF DE MONTAGE POUR FORMER UN EMPILEMENT DE CELLULES DE PILE A COMBUSTIBLE**
[72] WALTER, ANDREAS, DE
[73] THYSSENKRUPP SYSTEM ENGINEERING GMBH, DE
[73] THYSSENKRUPP AG, DE
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[54] **METHOD AND SYSTEM FOR THE GENERATION OF USER-INITIATED FEDERATED IDENTITIES**
[54] **METHODE ET SYSTEME DE GENERATION D'IDENTITES FEDEREES DEMANDEES PAR L'UTILISATEUR**
[72] MARCHETTO, JARNO, CH
[73] CORNER BANCA SA, CH
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[54] **STACKABLE AND NESTABLE COOKWARE HAVING A STABLE CONFIGURATION**
[54] **BATTERIE DE CUISINE EMPILABLE ET EMBOITABLE AYANT UNE CONFIGURATION STABLE**
[72] HOLLINGER, FRED, US
[73] E. MISHAN & SONS, INC., US
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[54] **A TECHNIQUE FOR BALANCING OF A ROTOR OF A COMPRESSOR FOR A GAS TURBINE**
[54] **TECHNIQUE D'EQUILIBRAGE D'UN ROTOR DE COMPRESSEUR POUR UNE TURBINE A GAZ**
[72] MENG, ZHIQIANG, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **WOOD MATERIAL PANEL PRESSING DEVICE AND METHOD FOR OPERATING A WOOD MATERIAL PANEL PRESSING DEVICE**
[54] **DISPOSITIF DE PRESSAGE DE PANNEAUX EN MATERIAUX DERIVES DU BOIS ET PROCEDE DE SURVEILLANCE D'UN DISPOSITIF DE PRESSAGE DE PANNEAUX EN MATERIAUX DERIVES DU BOIS**
[72] SPERLICH, DANIEL, DE
[73] SWISS KRONO TEC AG, CH
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[54] **ROBINET GIGOGNE A DOUBLE TUBE**
[72] HUANG, WEIXIN, CN
[73] FLOWTECH KITCHEN & BATHROOM TECHNOLOGY CO., LTD, CN
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[54] **EPISSURE ORTHOPEDIQUE AUTO-DURCISSANTE ET METHODE D'APPLICATION ASSOCIEE**
[72] TERMANINI, ZAFER, US
[73] JOINT INNOVATION TECHNOLOGY, LLC, US
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[54] **HYBRIDES DE BUTYLPHTALIDE-TELMISARTAN, LEUR PROCEDE DE PREPARATION ET LEUR APPLICATION**
[72] HUANG, ZHANGJIAN, CN
[72] PANG, TAO, CN
[72] WANG, CUNFANG, CN
[72] ZENG, WENBIN, CN
[72] DENG, JINXIANG, CN
[72] WU, WEIJIE, CN
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[54] **LUBRICANTS WITH CALCIUM-CONTAINING DETERGENTS AND THEIR USE FOR IMPROVING LOW-SPEED PRE-IGNITION**
[54] **LUBRIFIANTS COMPRENANT DES DETERGENTS CONTENANT DU CALCIUM ET UTILISATION DE CES DERNIERS POUR AMELIORER UN PRE-ALLUMAGE A FAIBLE VITESSE**
[72] CARPENTIER, GUILLAUME, GB
[72] RANSOM, PAUL, GB
[72] FLETCHER, KRISTIN, US
[73] AFTON CHEMICAL CORPORATION, US
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[54] **TRI-CYCLE COMPOUND AND APPLICATIONS THEREOF**
[54] **COMPOSE A TROIS CYCLES ET SES APPLICATIONS**
[72] HE, HAIYING, CN
[72] WANG, JING, CN
[72] JIANG, ZHIGAN, CN
[72] YANG, YAXUN, CN
[72] SHAO, PENG, CN
[72] ZHANG, CHEN, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] FUJIAN COSUNTER PHARMACEUTICAL CO., LTD., CN
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[54] **SYSTEM AND METHOD FOR CONTINUOUS CASTING**
[54] **SYSTEME ET PROCEDE DE COULEE CONTINUE**
[72] DYKES, CHARLES, US
[72] KAGAN, VALERY, US
[72] HAMILTON, DOUGLAS, US
[72] DAVIS, CASEY, US
[72] PENNUCCI, JOHN, US
[73] HAZELETT STRIP-CASTING CORPORATION, US
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[25] EN
[54] **LASER GUIDED BOMB WITH PROXIMITY SENSOR**
[54] **BOMBE GUIDEE PAR LASER AVEC CAPTEUR DE PROXIMITE**
[72] MAXWELL, BARRY A., US
[73] KAMAN PRECISION PRODUCTS, INC., US
[85] 2019-12-05
[86] 2018-06-08 (PCT/US2018/036645)
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[54] **END-TO-END SPEAKER RECOGNITION USING DEEP NEURAL NETWORK**
[54] **RECONNAISSANCE DE LOCUTEUR DE BOUT EN BOUT A L'AIDE D'UN RESEAU NEURONAL PROFOND**
[72] KHOURY, ELIE, US
[72] GARLAND, MATTHEW, US
[73] PINDROP SECURITY, INC., US
[86] (3075049)
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[54] **MOBILE CEMENT MIXING AND DELIVERY SYSTEM FOR DOWNHOLE WELLS**
[54] **MELANGE DE CIMENT MOBILE ET SYSTEME DE DISTRIBUTION POUR PUITS DE FOND DE TROU**
[72] MARTIN, MYLES, CA
[72] MARTIN, RANDY, CA
[73] T-ROCK CT SERVICES LTD., CA
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[71] ABDELHAQ, BELMKADDEM, CA
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[54] **TUYAU DE DEGAGEMENT D`AIR**
[72] SMITH, MURRAY LLOYD, CA
[71] SMITH, MURRAY LLOYD, CA
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[54] **DRONE WEAPON SYSTEM**
[54] **SYSTEME D`ARMES DOTE D`UN VEHICULE AERIEN SANS PILOTE**
[72] BURTON, MICHAEL N., CA
[71] BURTON, MICHAEL N., CA
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[25] FR
[54] **PROCESS FOR SHAPING A LAYER OF ALUMINA ON THE SURFACE OF A METALLIC SUBSTRATE**
[54] **PROCEDE DE FORMATION D'UNE COUCHE D'ALUMINE A LA SURFACE D'UN SUBSTRAT METALLIQUE**
[72] CAVARROC, MARJORIE CHRISTINE, FR
[72] KNITTEL, STEPHANE, FR
[72] SAPIEHA, JOLENTA, CA
[72] MARTINU, LUDVIK, CA
[72] BERGERON, FLORENCE, CA
[72] LOQUAI, SIMON, CA
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[54] **ANTIMICROBIAL GAS RELEASING AGENTS AND SYSTEMS AND METHODS FOR USING THE SAME**
[54] **AGENTS ET SYSTEMES DE LIBERATION DE GAZ ANTIMICROBIENS ET LEURS PROCEDES D`UTILISATION**
[72] FREEDMAN, JONATHAN R., US
[72] GUPTA, DEEPTI S., US
[72] JOHNSTON, MICHAEL A., US
[72] BELFANCE, JOHN, US
[72] PRATT, JASON, US
[72] SPANO, WILLIAM, US
[71] CSP TECHNOLOGIES, INC., US
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[54] **DUCT AIR FRESHENER**
[54] **ASSAINISSEUR D`AIR DES CONDUITS**
[72] IGWEMEZIE, JUDE, CA
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[54] **PROTECTOR FOR PROTECTING A SKATE AND A USER'S FOOT**
[54] **NAVIGATION ROBOTIQUE UTILISANT UNE TRANSCRIPTION SEMANTIQUE**
[72] CHAMPAGNE, GAETAN, CA
[72] CORBEIL, JEAN-FRANCOIS, CA
[71] BAUER HOCKEY LTD., CA
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[51] **Int.Cl. E04G 21/32 (2006.01) E06B 5/10 (2006.01)**
[25] EN
[54] **SAFETY BARRIER AND METHOD OF USE THEREOF**
[54] **BARRIERE DE SECURITE ET SA METHODE D`UTILISATION**
[72] PIERRI, ALFIE, CA
[72] PIERRI, JOHN, CA
[72] FIDANI, CARLO, CA
[72] BRINE, DAVID, GB
[71] RAPID EPS LTD, GB
[22] 2019-05-17
[41] 2020-11-17

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[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A62C 3/00 (2006.01) H05B 3/36 (2006.01)**
[25] EN
[54] **ELECTRIC BLANKET ENCLOSURE**
[54] **CONTENANT POUR COUVERTURE ELECTRIQUE**
[72] LAFLEUR, MIRANDA, CA
[72] COLES-OUELLETTE, ELIZABETH, CA
[71] LAFLEUR, MIRANDA, CA
[71] COLES-OUELLETTE, ELIZABETH, CA
[22] 2019-05-17
[41] 2020-11-16
[30] US (16/413,995) 2019-05-16

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[51] **Int.Cl. B65B 55/12 (2006.01) A23L 5/40 (2016.01) A23B 4/00 (2006.01) A23B 4/14 (2006.01) A23B 4/16 (2006.01) A23B 4/24 (2006.01) A23L 3/3436 (2006.01) B65B 25/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EXTENDING SHELF LIFE AND PREVENTION OF DISCOLORATION OF MEAT**
[54] **APPAREIL ET PROCEDE POUR PROLONGER LA DUREE DE CONSERVATION ET EVITER LA DECOLORATION DE LA VIANDE**
[72] TEWARI, GAURAV, CA
[71] TEWARI, GAURAV, CA
[22] 2019-05-17
[41] 2020-11-17

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[13] A1
[51] **Int.Cl. F04B 9/04 (2006.01) E21B 21/08 (2006.01) F04B 15/02 (2006.01) F04B 17/03 (2006.01) F04B 53/14 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **MUD PUMP**
[54] **POMPE A BOUE**
[72] LESKO, GERALD, CA
[71] LESKO, GERALD, CA
[22] 2019-05-17
[41] 2020-11-17

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[13] A1
[51] **Int.Cl. H02G 1/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING TEMPORARY SUPPORT AND A MEANS FOR RELOCATING ENERGIZED ELECTRICAL CONDUCTORS**
[54] **PROCEDE ET APPAREIL DESTINES A FOURNIR UN SOUTIEN TEMPORAIRE ET MOYEN DE REPOSITIONNEMENT DE CONDUCTEURS ELECTRIQUES SOUS TENSION**
[72] WABNEGGER, DAVID K., CA
[72] O'CONNELL, DANIEL N., CA
[72] TRIP, IAN E., CA
[71] QUANTA ASSOCIATES, L.P., US
[22] 2019-05-17
[41] 2020-11-17

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[13] A1
[51] **Int.Cl. C09K 17/06 (2006.01) B01D 21/01 (2006.01)**
[25] EN
[54] **REMEDIATION AND STABILIZATION OF THIXOTROPIC AND/ OR COLLOIDAL MINES TAILINGS USING PULVERIZED ANHYDRITE (NATURALLY OCCURRING ANHYDROUS CALCIUM SULPHATE (CASO4))**
[54] **ASSAINISSEMENT ET STABILISATION DE RESIDUS D`EXTRACTION MINIERE THIXOTROPES ET/OU COLLOIDALES A L`AIDE D`ANHYDRITE PULVERISEE [SULFATE DE CALCIUM ANHYDRE D`ORIGINE NATURELLE (CASO4)]**
[72] MANN, ADRIAN G., CA
[71] MANN, ADRIAN G., CA
[22] 2019-05-21
[41] 2020-11-21

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[13] A1
[51] **Int.Cl. E21C 25/60 (2006.01) E02B 1/00 (2006.01) E02F 3/88 (2006.01) E02F 5/16 (2006.01)**
[25] EN
[54] **HYDROVAC EXCAVATION SYSTEM HAVING OBJECT DETECTION**
[54] **SYSTEME D`EXCAVATION HYDRAULIQUE AVEC DETECTION D`OBJETS**
[72] AUCLAIR, WILLIAM, CA
[71] AUCLAIR, WILLIAM, CA
[22] 2019-05-21
[41] 2020-11-17
[30] US (18415842) 2019-05-17

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[13] A1
[51] **Int.Cl. B01D 53/32 (2006.01)**
[25] EN
[54] **A NOVEL SOLUTION TO IMPROVE THE WATER-ENERGY NEXUS IN THERMO-ELECTRIC POWER PLANTS VIA AN ELECTROSTATICALLY ASSISTED TECHNIQUE**
[54] **NOUVELLE SOLUTION POUR AMELIORER L`INTERACTION EAU-ENERGIE DANS DES CENTRALES THERMOELECTRIQUES AU MOYEN D`UNE TECHNIQUE ASSISTEE ELECTROSTATIQUEMENT**
[72] CHONG, CHRISTOPHER S.S., CA
[71] CHONG, CHRISTOPHER S.S., CA
[22] 2019-05-21
[41] 2020-11-21

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[51] **Int.Cl. G06F 15/00 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **ATMOSGRID**
[54] **ATMOSGRID**
[72] SAYED, AHMAD A.S., CA
[72] URADI, SNEHAL S.U., CA
[71] SAYED, AHMAD A.S., CA
[71] URADI, SNEHAL S.U., CA
[22] 2019-05-21
[41] 2020-11-21

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[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01)**
[25] EN
[54] **INTEGRATION OF WORKFLOW WITH DIGITAL ID**
[54] **INTEGRATION DE FLUX DE TRAVAIL AVEC IDENTIFICATION NUMERIQUE**
[72] BLOY, ADRIAN, CA
[72] MULLENAX, DANIELLE MARIE, CA
[72] YUEN, KEVIN, CA
[72] CHEUNG, DANIEL LAM TIN, CA
[72] MALEKI, ASGAR, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-05-21
[41] 2020-11-20
[30] US (16/416,698) 2019-05-20

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[51] **Int.Cl. B60B 19/00 (2006.01) B60B 19/12 (2006.01)**
[25] EN
[54] **SHOCK-TOLERANT OMNI WHEEL**
[54] **ROUE HOLONOME TOLERANT LES CHOCS**
[72] SUTHERLAND, STEPHEN, CA
[72] GUILLAUMONT, PHILIPPE, CA
[72] SUTHERLAND, DANIEL, CA
[71] CROSSWING INC., CA
[22] 2019-05-21
[41] 2020-11-21

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[51] **Int.Cl. G01S 15/89 (2006.01) A61B 8/00 (2006.01) A61B 8/14 (2006.01)**
[25] EN
[54] **DEEP TISSUE SUPER-RESOLUTION ULTRASOUND IMAGING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D`IMAGERIE ULTRASONIQUE A SUPER-RESOLUTION POUR TISSUS PROFONDS**
[72] GEORGE, SWETHA S., US
[72] IGNJATOVIC, ZELJKO, US
[71] UNIVERSITY OF ROCHESTER, US
[22] 2019-05-22
[41] 2020-11-16
[30] US (16/414,229) 2019-05-16

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[51] **Int.Cl. A47J 42/24 (2006.01) A24B 3/18 (2006.01) A47J 42/28 (2006.01) B02C 19/20 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GRINDING**
[54] **APPAREIL ET PROCEDE DE BROYAGE**
[72] GRIMWOOD, RYAN WALTER, CA
[71] JMJ MACHINE WORKS INC., CA
[22] 2019-05-23
[41] 2020-11-16
[30] US (62/848,665) 2019-05-16

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[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **PET GARMENT**
[54] **VETEMENT POUR ANIMAL DE COMPAGNIE**
[72] ZARRAS, KRISTINE, CA
[71] ZARRAS, KRISTINE, CA
[22] 2019-05-29
[41] 2020-11-21
[30] US (16418941) 2019-05-21

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[51] **Int.Cl. A01D 90/10 (2006.01) A01F 25/20 (2006.01) B60P 1/40 (2006.01) B65G 65/46 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **CONVERTIBLE DUAL-SIDED AUGER SYSTEM FOR A FARM IMPLEMENT**
[54] **SYSTEME A LA TARIERE DOUBLE FACE CONVERTIBLE POUR INSTRUMENTS ARATOIRES**
[72] SCHLIMGEN, RONALD J., US
[72] VAN MILL, MICHAEL D., US
[71] UNVERFERTH MANUFACTURING COMPANY, INC., US
[22] 2019-05-30
[41] 2020-11-15
[30] US (16/412,896) 2019-05-15

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **DISPOSABLE ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE JETABLE**
[72] CHENG, YANNI, CN
[71] SHENZHEN ACEVAPE TECHNOLOGY CO. LTD., CN
[22] 2019-07-02
[41] 2020-11-15
[30] US (16/412,442) 2019-05-15

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[13] A1
[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/24 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **RETROREFLECTIVE JOIN GRAPH GENERATION FOR RELATIONAL DATABASE QUERIES**
[54] **GENERATION DE GRAPHIQUES A LIAISONS RETROREFLECHISSANTS POUR REQUETES DE BASE DE DONNEES RELATIONNELLES**
[72] HYDE, JULIAN, US
[72] SWENSON, JONATHAN, US
[71] LOOKER DATA SCIENCES, INC., US
[22] 2019-07-09
[41] 2020-11-20
[30] US (16/417,630) 2019-05-20

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[51] **Int.Cl. E05B 63/00 (2006.01) E06B 3/70 (2006.01)**
[25] EN
[54] **DOOR LOCK**
[54] **SERRURE DE PORTE**
[72] HALL, JULIAN, GB
[71] KINGSWAY ENTERPRISES (UK) LIMITED, GB
[22] 2019-10-29
[41] 2020-11-17
[30] GB (1907005.1) 2019-05-17

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[13] A1
[51] **Int.Cl. G01L 9/06 (2006.01) G01L 13/02 (2006.01) G01L 27/00 (2006.01)**
[25] EN
[54] **MICROMECHANICAL REDUNDANT PIEZORESISTIVE ARRAY PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION SUR RESEAU PIEZORESISTIF REDONDANT MICROMECANIQUE**
[72] DAUP, MICHAEL ROBERT, US
[72] POTASEK, DAVID P., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-11-25
[41] 2020-11-21
[30] US (16/418,719) 2019-05-21

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[51] **Int.Cl. G01S 17/88 (2006.01) G01S 17/86 (2020.01) G01S 17/875 (2020.01) G01C 5/06 (2006.01) G01S 17/87 (2020.01) G01S 17/95 (2006.01)**
[25] EN
[54] **AIR DATA SYSTEM ARCHITECTURES INCLUDING LASER AIR DATA AND ACOUSTIC AIR DATA SENSORS**
[54] **ARCHITECTURES DE SYSTEME DE DONNEES AERODYNAMIQUES COMPRENANT DES DONNEES AERODYNAMIQUES A LASER ET CAPTEURS DE DONNEES AERODYNAMIQUES ACOUSTIQUES**
[72] SLY, JAIME, US
[72] MILLER, MARK SHERWOOD, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-11-28
[41] 2020-11-15
[30] US (16/413,077) 2019-05-15

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[51] **Int.Cl. G01M 17/00 (2006.01) G01S 19/23 (2010.01) B64F 5/60 (2017.01) B64D 43/00 (2006.01) G01C 25/00 (2006.01) G01K 15/00 (2006.01) G01L 27/00 (2006.01) G01P 21/00 (2006.01)**
[25] EN
[54] **PROGNOSTIC MONITORING OF COMPLEMENTARY AIR DATA SYSTEM SENSORS**
[54] **SURVEILLANCE PRONOSTIQUE DES CAPTEURS DE SYSTEMES DE DONNEES AERODYNAMIQUES COMPLEMENTAIRES**
[72] NASLUND, BRIAN BRENT, US
[72] WINTER, JOHN D., US
[72] BOELKE, JOEL, US
[72] SCHWARTZ, WESLEY J., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-04
[41] 2020-11-16
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[51] **Int.Cl. B64D 15/16 (2006.01)**
[25] EN
[54] **PNEUMATIC DEICER WITH RUNBACK CHANNELS**
[54] **DEGIVREUR PNEUMATIQUE AVEC CANAUX DE RUISSELLEMENT**
[72] GIAMATI, MICHAEL J., US
[71] GOODRICH CORPORATION, US
[22] 2019-12-05
[41] 2020-11-16
[30] US (16/413,994) 2019-05-16

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[51] **Int.Cl. F16K 11/10 (2006.01) E03C 1/22 (2006.01) F16K 15/03 (2006.01) F16K 15/04 (2006.01) F16K 24/00 (2006.01)**
[25] EN
[54] **VACUUM BREAKER WITH BACK FLOW PREVENTER**
[54] **RENIFLARD AVEC DISPOSITIF ANTI-REFOULEMENT**
[72] LEI, MARTIN, US
[72] ROACH, KEVIN EDWARD, US
[72] ZISKA, MICHAEL ANTHONY, US
[71] GOODRICH CORPORATION, US
[22] 2019-12-05
[41] 2020-11-15
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[51] **Int.Cl. G01D 18/00 (2006.01) B64F 5/60 (2017.01) B64D 15/12 (2006.01) G01P 21/00 (2006.01) G01K 7/01 (2006.01)**
[25] EN
[54] **PITOT HEATER HEALTH MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE L`ETAT DU RECHAUFFEUR PITOT**
[72] KHAN, SHOYEB, IN
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-06
[41] 2020-11-17
[30] IN (20191109523) 2019-05-17

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[51] **Int.Cl. H01H 85/046 (2006.01) H01L 49/02 (2006.01)**
[25] EN
[54] **THIN-FILM MICRO-FUSE ASSEMBLY**
[54] **ENSEMBLE MICRO-FUSIBLE A COUCHES MINCES**
[72] FOK, BEN PING-TAO, US
[72] BACKMAN, ROGER ALAN, US
[72] POTASEK, DAVID P., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-11
[41] 2020-11-21
[30] US (16/418,332) 2019-05-21

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[51] **Int.Cl. H03H 1/00 (2006.01)**
[25] EN
[54] **REDUNDANT RESISTOR NETWORK**
[54] **RESEAU DE RESISTANCES REDONDANT**
[72] POTASEK, DAVID P., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-11
[41] 2020-11-20
[30] US (16/416,541) 2019-05-20

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[13] A1
[51] **Int.Cl. F01D 9/04 (2006.01) F01D 25/04 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **DIFFUSER PIPE WITH EXIT SCALLOPS**
[54] **CONDUIT DIFFUSEUR AVEC CORNES DE SORTIE**
[72] DUONG, HIEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-09
[41] 2020-11-21
[30] US (16/418,263) 2019-05-21

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[51] **Int.Cl. B65B 55/12 (2006.01) A23L 5/40 (2016.01) A23B 4/00 (2006.01) A23B 4/14 (2006.01) A23B 4/24 (2006.01) A23L 3/3436 (2006.01) B65B 31/04 (2006.01) C12N 9/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRESERVATION OF ENZYMES IN THE PROTEIN MUSCLE AND ITS APPLICATIONS**
[54] **PROCEDE DE CONSERVATION D`ENZYMES DANS LE MUSCLE PROTEIQUE ET SES APPLICATIONS**
[72] TEWARI, GAURAV, CA
[71] TEWARI, GAURAV, CA
[22] 2020-04-06
[41] 2020-11-17
[30] US (38892768) 2020-03-17
[30] CA (3043728) 2019-05-17

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[51] **Int.Cl. G01N 37/00 (2006.01) B33Y 50/02 (2015.01) B33Y 80/00 (2015.01) B33Y 40/20 (2020.01) G01N 3/00 (2006.01)**
[25] EN
[54] **METHOD OF TESTING ADDITIVE MANUFACTURED MATERIAL AND ADDITIVE MANUFACTURED PARTS**
[54] **METHODE D`ESSAI DE MATERIAU OBTENU PAR FABRICATION ADDITIVE ET DE PIECES OBTENUES PAR FABRICATION ADDITIVE**
[72] MEIER, STEFANIE ANITA, US
[72] RODRIGUEZ, ROGIE I., US
[72] PARK, CHUL YOUNG, US
[72] HAWORTH, TROY ALLAN, US
[71] THE BOEING COMPANY, US
[22] 2020-04-09
[41] 2020-11-16
[30] US (16/413752) 2019-05-16

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[51] **Int.Cl. B62J 9/00 (2020.01)**
[25] EN
[54] **A BICYCLE PANNIER MOUNTING ARRANGEMENT**
[54] **DISPOSITIF DE FIXATION POUR SACOCHE DE VELO**
[72] ADLER, JAN, SE
[72] ARDMAR, DAVID, SE
[71] THULE SWEDEN AB, SE
[22] 2020-04-15
[41] 2020-11-21
[30] EP (19175748.3) 2019-05-21

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[51] **Int.Cl. G06Q 50/30 (2012.01) B60S 5/00 (2006.01)**
[25] EN
[54] **ROADSIDE ASSISTANCE SYSTEM**
[54] **SYSTEME D`ASSISTANCE ROUTIERE**
[72] BARTH, KIM, US
[72] ADCOCK, CHRISTOPHER, US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2020-04-16
[41] 2020-11-16
[30] US (16/414,175) 2019-05-16

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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPERATING AN AIRCRAFT POWERPLANT**
[54] **PROCEDE ET SYSTEME DE FONCTIONNEMENT DU GROUPE MOTOPROPULSEUR POUR AERONEF**
[72] BREGANI, BENJAMIN, CA
[72] MCCARTHY, SEAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-23
[41] 2020-11-21
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[51] **Int.Cl. B65B 25/08 (2006.01) A23L 5/00 (2016.01) A22C 17/00 (2006.01) B65G 57/00 (2006.01) G05B 19/045 (2006.01)**
[25] EN
[54] **VALUE ADDED SUBSTRATE INTERLEAVING SYSTEM**
[54] **SYSTEME D`ENTRELACEMENT DE SUBSTRAT A VALEUR AJOUTEE**
[72] WARD, ANDREW, US
[71] PACKAGING PROGRESSIONS, INC., US
[22] 2020-04-23
[41] 2020-11-20
[30] US (62/850.208) 2019-05-20

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[13] A1
[51] **Int.Cl. B65D 55/14 (2006.01) E05G 1/04 (2006.01) H02B 7/06 (2006.01)**
[25] EN
[54] **HIGH SECURITY MULTI-TIERED LOCKING SYSTEM FOR UTILITY VAULTS**
[54] **SYSTEME DE VERROUILLAGE A PLUSIEURS NIVEAUX DE HAUTE SECURITE POUR SALLE D`EQUIPEMENTS**
[72] GWILLIM, ROBERT H., US
[72] BURKE, EDWARD J., US
[71] CHANNELL COMMERCIAL CORPORATION, US
[22] 2020-04-28
[41] 2020-11-16
[30] US (62/848,756) 2019-05-16
[30] US (16/844,874) 2020-04-09

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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/12 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING MULTI-ENGINE ROTORCRAFT**
[54] **SYSTEME ET PROCEDE POUR FAIRE FONCTIONNER UN GIRAVION MULTIMOTEUR**
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[72] MAH, STEPHEN, CA
[72] MORGAN, KEITH, CA
[72] MANOUKIAN, PATRICK, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-24
[41] 2020-11-15
[30] US (62/848,237) 2019-05-15
[30] US (62/848,699) 2019-05-16
[30] US (62/852,428) 2019-05-24
[30] US (16/671,070) 2019-10-31

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[13] A1
[51] **Int.Cl. C09J 9/00 (2006.01) C09J 11/06 (2006.01) C09J 129/14 (2006.01)**
[25] EN
[54] **SOLID ADHESIVE**
[54] **ADHESIF SOLIDE**
[72] SAKATO, MOTOYA, JP
[72] SAKAMOTO, AKIHIRO, JP
[72] AOKI, KAZUHISA, JP
[72] KISHI, HAJIME, JP
[71] TOMBOW PENCIL CO., LTD., JP
[71] UNIVERSITY OF HYOGO, JP
[22] 2020-04-30
[41] 2020-11-17
[30] JP (JP2019-093554) 2019-05-17

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[13] A1
[51] **Int.Cl. F02C 9/26 (2006.01) F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/42 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPERATING AN ENGINE**
[54] **METHODE ET SYSTEME DE FONCTIONNEMENT D`UN MOTEUR**
[72] JARVO, JAMES, CA
[72] MANOUKIAN, PATRICK, CA
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-28
[41] 2020-11-15
[30] US (62/848,146) 2019-05-15

[21] **3,080,088**
[13] A1
[51] **Int.Cl. E04D 1/30 (2006.01) E04D 1/12 (2006.01)**
[25] EN
[54] **ROLLED HIP AND RIDGE SHINGLE**
[54] **BARDEAU D`ARETIER ET BARDEAU DE FAITE LAMINES**
[72] NICOLS, PATRICIA, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2020-05-01
[41] 2020-11-16
[30] US (62/848,746) 2019-05-16

[21] **3,080,163**
[13] A1
[51] **Int.Cl. A47B 73/00 (2006.01) A47F 3/08 (2006.01) F25D 25/00 (2006.01)**
[25] EN
[54] **WINE CABINET**
[54] **ARMOIRE A VIN**
[72] PANG, PETER WAI TUNG, HK
[71] COOGAN COMPANY LIMITED, HK
[22] 2020-05-04
[41] 2020-11-15
[30] HK (19123854.2) 2019-05-15

[21] **3,080,208**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/12 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING A ROTORCRAFT**
[54] **SYSTEME ET PROCEDE POUR FAIRE FONCTIONNER UN GIRAVION**
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[72] MANOUKIAN, PATRICK, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-29
[41] 2020-11-15
[30] US (62/848,237) 2019-05-15
[30] US (62/848,699) 2019-05-16
[30] US (62/852,428) 2019-05-24
[30] US (16/670,607) 2019-10-31

[21] **3,080,212**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/12 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING A MULTI-ENGINE AIRCRAFT**
[54] **SYSTEME ET PROCEDE POUR FAIRE FONCTIONNER UN AERONEF MULTIMOTEUR**
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[72] MANOUKIAN, PATRICK, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-29
[41] 2020-11-15
[30] US (16/670,582) 2019-10-31
[30] US (62/848,237) 2019-05-15
[30] US (62/848,699) 2019-05-16
[30] US (62/852,428) 2019-05-24

[21] **3,080,290**
[13] A1
[51] **Int.Cl. B64C 11/38 (2006.01) B64D 31/00 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING A PROPELLER WITH TWO-POSITION SOLENOID**
[54] **PROCEDE DE COMMANDE D`UNE HELICE DOTEE D`UNE VANNE ELECTROMAGNETIQUE A DEUX POSITIONS**
[72] DES ROCHES-DIONNE, NICOLAS, CA
[72] MEUNIER, GABRIEL, CA
[72] LAMARRE, SYLVAIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-28
[41] 2020-11-21
[30] US (16/418,467) 2019-05-21

[21] **3,080,297**
[13] A1
[51] **Int.Cl. B64D 47/02 (2006.01) B64D 11/00 (2006.01) H04R 27/00 (2006.01)**
[25] EN
[54] **AUTOMATIC ANNOUNCEMENT IN A PASSENGER AIRCRAFT**
[54] **MESSAGE AUTOMATIQUE DANS UN AERONEF DE PASSAGERS**
[72] TRUNK, LOTHAR, DE
[71] DIEHL AEROSPACE GMBH, DE
[22] 2020-05-05
[41] 2020-11-21
[30] DE (10 2019 003 553.4) 2019-05-21

[21] **3,080,347**
[13] A1
[51] **Int.Cl. G01N 7/00 (2006.01)**
[25] EN
[54] **PROCESS FOR DETERMINING A COMPOSITION OF A HYDROCARBON SAMPLE OBTAINED FROM A SUBTERRANEAN RESERVOIR**
[54] **PROCEDE PERMETTANT DE DETERMINER LA COMPOSITION D`UN ECHANTILLON D`HYDROCARBURE OBTENU A PARTIR D`UN RESERVOIR SOUTERRAIN**
[72] AVILA, NATASHA, CA
[72] MACDONALD, ERIC, CA
[71] CENOVUS ENERGY INC., CA
[22] 2020-05-01
[41] 2020-11-15
[30] US (62/848,028) 2019-05-15

[21] **3,080,371**
[13] A1
[51] **Int.Cl. A23F 5/36 (2006.01) A23F 5/00 (2006.01) A23F 5/38 (2006.01) A23F 5/40 (2006.01) A23F 5/46 (2006.01)**
[25] EN
[54] **BEVERAGE PRECURSOR, METHOD OF MAKING BEVERAGE PRECURSOR, BEVERAGE, AND METHOD OF MAKING BEVERAGE**
[54] **PRECURSEUR DE BOISSONS ET PROCEDE DE PRODUCTION DE PRECURSEURS DE BOISSONS, BOISSON ET PROCEDE DE PRODUCTION DE BOISSONS**
[72] GROVER, JULIE ANNE, US
[72] MOCA, JUDITH GULTEN, US
[71] KRAFT FOODS GROUP BRANDS LLC, US
[22] 2020-05-07
[41] 2020-11-17
[30] US (16/415776) 2019-05-17

[21] **3,080,448**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 17/00 (2019.01)**
[25] EN
[54] **DEVICES AND METHODS OF MANAGING DATA**
[54] **APPAREILS ET METHODES DE GESTION DES DONNEES**
[72] WHITE, JOHNATHAN GEORGE, CA
[72] BROWN, DANIEL RICHARD L., CA
[71] BLACKBERRY LIMITED, CA
[22] 2020-05-06
[41] 2020-11-16
[30] US (16/413,773) 2019-05-16

[21] **3,080,450**
[13] A1
[51] **Int.Cl. A47D 13/00 (2006.01) A63B 22/00 (2006.01) A63B 23/035 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS USING BALLAST FILLED WATER BOTTLE FOR AIDED MOTOR SKILL DEVELOPMENT**
[54] **DISPOSITIFS ET PROCEDES UTILISANT UNE BOUTEILLE D`EAU REMPLIE DE BALLAST POUR LE DEVELOPPEMENT ASSISTE DES CAPACITES MOTRICES**
[72] OGILVIE, DANIEL R., CA
[71] ONE EYED JACK HOLDINGS INC., CA
[22] 2020-05-08
[41] 2020-11-16
[30] US (62848832) 2019-05-16

[21] **3,080,549**
[13] A1
[51] **Int.Cl. A01G 24/22 (2018.01) A01G 24/00 (2018.01) A01H 5/00 (2018.01)**
[25] EN
[54] **CELLULOSE FILAMENT MEDIUM FOR GROWING PLANT SEEDLINGS**
[54] **MILIEU DE FILAMENTS DE CELLULOSE POUR LA CULTURE DE SEMIS**
[72] BRASSARD, ROBERT, CA
[72] BERTHIER, JOELLE, CA
[72] COSETTE, MAXIME, CA
[72] LENTZAKIS, HELEN, CA
[71] KRUGER INC., CA
[22] 2020-05-09
[41] 2020-11-21
[30] US (62/966,269) 2020-01-27

[21] **3,080,595**
[13] A1
[51] **Int.Cl. E04G 5/14 (2006.01) F16B 2/14 (2006.01) F16B 5/06 (2006.01)**
[25] EN
[54] **WEDGE CLAMP FOR SECURING SAFETY GUARDS AROUND INDUSTRIAL EQUIPMENT**
[54] **PRESSE DE SERRAGE A COINS POUR FIXER DES DISPOSITIFS DE SECURITE AUTOUR DE L`EQUIPEMENT INDUSTRIEL**
[72] VANDERGEEST, PAUL, CA
[72] VANDERGEEST, KAREN, CA
[71] VANDERGEEST INC., CA
[22] 2020-05-12
[41] 2020-11-17
[30] US (16/415,975) 2019-05-17

[21] **3,080,605**
[13] A1
[51] **Int.Cl. B66C 17/26 (2006.01) B63B 21/00 (2006.01) B65G 67/60 (2006.01) H02G 11/00 (2006.01) H02G 11/02 (2006.01) H02J 4/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SUPPLYING WATERCRAFTS, IN PARTICULAR SHIPS, IN A PORT WITH ELECTRICAL POWER AND LOADING AND UNLOADING DEVICE FOR A SYSTEM AND METHOD OF THIS TYPE**
[54] **SYSTEME ET PROCEDE POUR ALIMENTER DES EMBARCATIONS, EN PARTICULIER DES NAVIRES, DANS UN PORT EN ELECTRICITE ET DISPOSITIF DE CHARGEMENT ET DE DECHARGEMENT POUR UN SYSTEME ET UN PROCEDE DE CE GENRE**
[72] LEHMANN, DIRK, DE
[72] RAVENS, LARS JUSTUS, DE
[71] HPE HYBRID PORT ENERGY GMBH & CO.KG, DE
[22] 2020-05-08
[41] 2020-11-20
[30] EP (19175328.4) 2019-05-20

[21] **3,080,612**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G16H 10/40 (2018.01)**
[25] EN
[54] **METHODS FOR PREDICTING IMMUNOTHERAPY RESPONSE OF SUBJECT HAVING CANCER**
[54] **PROCEDES PERMETTANT DE PREDIRE LA REPONSE A UNE IMMUNOTHERAPIE D`UN SUJET ATTEINT D`UN CANCER**
[72] LEE, CHIA-YING, TW
[72] TSENG, JU-YU, TW
[72] WANG, HONG-LING, TW
[72] WANG, SHIN-HANG, TW
[72] CHEN, JUI-LIN, TW
[71] MICAREO TAIWAN CO., LTD., TW
[22] 2020-05-15
[41] 2020-11-15
[30] US (62/847,960) 2019-05-15

[21] **3,080,641**
[13] A1
[51] **Int.Cl. E04H 7/22 (2006.01) A01F 25/00 (2006.01) B65D 88/26 (2006.01)**
[25] EN
[54] **COMMERCIAL HOPPER GRAIN BIN ASSEMBLY METHOD**
[54] **PROCEDE D`ASSEMBLAGE DE CELLULE A GRAINS COMMERCIALE**
[72] DINGELDEIN, MARK S., US
[72] SMALLEGAN, CRAIG P., US
[72] BUTLER, DAVID A., US
[71] CTB, INC., US
[22] 2020-05-07
[41] 2020-11-20
[30] US (62/850,082) 2019-05-20
[30] US (16/866,069) 2020-05-04

[21] **3,080,645**
[13] A1
[51] **Int.Cl. F16D 27/112 (2006.01) F02C 7/36 (2006.01) F16D 7/02 (2006.01) F16D 13/60 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC CLUTCH FOR GAS TURBINE ACCESSORIES**
[54] **EMBRAYAGE ELECTROMAGNETIQUE POUR ACCESSOIRES DE TURBINE A GAZ**
[72] KLEMEN, DONALD, US
[72] MANERS, BRIAN S., US
[72] MUNEVAR, ERIK A., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2020-05-12
[41] 2020-11-17
[30] US (16/415,580) 2019-05-17

[21] **3,080,668**
[13] A1
[51] **Int.Cl. B01D 53/86 (2006.01) B01D 53/56 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE REMOVAL OF DINITROGEN OXIDE IN PROCESS OFF-GAS**
[54] **PROCEDE POUR SUPPRIMER L`OXYDE DE DIAZOTE DANS LE PROCEDE DE DEGAGEMENT GAZEUX**
[72] MUNSTER-SWENDSEN, JANUS EMIL, DK
[72] JAKOBSSON, NIKLAS BENGT, SE
[71] HALDOR TOPSOE A/S, DK
[22] 2020-05-12
[41] 2020-11-21
[30] DK (PA 2019 00611) 2019-05-21

[21] **3,080,696**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/0408 (2017.01) H04B 1/04 (2006.01)**
[25] EN
[54] **SATELLITE TELECOMMUNICATION SYSTEM WITH TRANSPARENT DIGITAL PROCESSOR AND BEAM HOPPING**
[54] **SYSTEME DE TELECOMMUNICATION PAR SATELLITE AVEC PROCESSEUR NUMERIQUE TRANSPARENT ET COMMUTATION DE FAISCEAU**
[72] CHARRAT, BERNARD, FR
[72] VOISIN, PHILIPPE, FR
[72] DERVIN, MATHIEU, FR
[71] THALES, FR
[22] 2020-05-14
[41] 2020-11-16
[30] FR (1905026) 2019-05-16

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[21] **3,080,736**
[13] A1
[51] **Int.Cl. B60Q 1/26 (2006.01) B60Q 1/30 (2006.01) B60Q 1/32 (2006.01) B60Q 1/50 (2006.01)**
[25] EN
[54] **BUS WITH A VARIABLE HEIGHT WARNING SIGNAL**
[54] **BUS AVEC SIGNAL D`AVERTISSEMENT DE HAUTEUR VARIABLE**
[72] HALLUNDBAEK, JORGEN, LU
[71] ALPHA EC INDUSTRIES 2018 S.A.R.L., LU
[22] 2020-05-14
[41] 2020-11-15
[30] LU (LU101213) 2019-05-15

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[21] **3,080,755**
[13] A1
[51] **Int.Cl. B60Q 1/26 (2006.01)**
[25] EN
[54] **BUS WITH SAFETY LIGHTING SYSTEM FOR ROAD USERS**
[54] **BUS AVEC SYSTEME LUMINEUX DE SECURITE POUR LES USAGERS DE LA ROUTE**
[72] HALLUNDBAEK, JORGEN, LU
[71] ALPHA EC INDUSTRIES 2018 S.A.R.L., LU
[22] 2020-05-14
[41] 2020-11-15
[30] LU (LU101212) 2019-05-15

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[21] **3,080,758**
[13] A1
[51] **Int.Cl. A01B 19/02 (2006.01) A01B 35/06 (2006.01) A01B 35/24 (2006.01) A01B 39/22 (2006.01)**
[25] EN
[54] **SOIL CULTIVATION DEVICE**
[54] **MACHINE DE TRAVAIL DU SOL**
[72] LEOPOLD, JUERGEN, AT
[72] KOGLEK, DANIEL, AT
[72] HATZENBICHLER, THOMAS, AT
[71] THOMAS HATZENBICHLER AGRO-TECHNIK GMBH, AT
[22] 2020-05-14
[41] 2020-11-16
[30] AT (A 184/2019) 2019-05-16

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[21] **3,080,760**
[13] A1
[51] **Int.Cl. A01N 43/16 (2006.01) C05G 3/60 (2020.01) A01G 7/00 (2006.01) A01N 25/02 (2006.01) A01N 59/00 (2006.01) A01P 15/00 (2006.01) C05G 1/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR STIMULATING IMMUNE RESPONSES IN PLANTS**
[54] **COMPOSITION POUR STIMULER LES REACTIONS IMMUNITAIRES DES PLANTES**
[72] HEBBELINCK, SEBASTIEN, US
[71] ILICITOR LLC, US
[22] 2020-05-14
[41] 2020-11-15
[30] US (62/848,256) 2019-05-15

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[21] **3,080,774**
[13] A1
[51] **Int.Cl. F02C 9/42 (2006.01) F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/26 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PURGING A FUEL MANIFOLD OF A GAS TURBINE ENGINE USING A FLOW DIVIDER ASSEMBLY**
[54] **SYSTEME ET PROCEDE POUR PURGER UN COLLECTEUR DE CARBURANT D`UNE TURBINE A GAZ UTILISANT UN ENSEMBLE DE REPARTITEUR DE DEBIT**
[72] SAINTIGNAN, CEDRIC, US
[72] CIRTWILL, JOSEPH, CA
[72] MCCALDON, KIAN, CA
[72] TREMBLAY, MARC-ANDRE, CA
[72] WADDLETON, DAVID, CA
[72] BROCCOLINI, IGNAZIO, CA
[72] TARLING, STEPHEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-13
[41] 2020-11-15
[30] US (62/848,231) 2019-05-15
[30] US (62/848,223) 2019-05-15
[30] US (62/848,196) 2019-05-15
[30] US (62/849,428) 2019-05-17
[30] US (62/850,809) 2019-05-21
[30] US (62/848,187) 2019-05-15
[30] US (16/871,136) 2020-05-11

[21] **3,080,778**
[13] A1
[51] **Int.Cl. F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/26 (2006.01) F02C 9/42 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PURGING A FUEL MANIFOLD OF A GAS TURBINE ENGINE THROUGH A FLOW DIVIDER VALVE**
[54] **SYSTEME ET PROCEDE POUR PURGER UN COLLECTEUR DE CARBURANT D`UNE TURBINE A GAZ AU TRAVERS D`UNE SOUPAPE DISTRIBUTRICE**
[72] JARVO, JAMES ROBERT, CA
[72] SAINTIGNAN, CEDRIC, US
[72] TREMBLAY, MARC-ANDRE, CA
[72] WADDLETON, DAVID, CA
[72] CIRTWILL, JOSEPH, CA
[72] MCCALDON, KIAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-13
[41] 2020-11-15
[30] US (62/848,223) 2019-05-15
[30] US (62/848,196) 2019-05-15
[30] US (62/849,428) 2019-05-17
[30] US (62/850,809) 2019-05-21
[30] US (62/848,231) 2019-05-15
[30] US (62/848,187) 2019-05-15
[30] US (16/871,130) 2020-05-11

[21] **3,080,780**
[13] A1
[51] **Int.Cl. F02C 9/42 (2006.01) F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/26 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PURGING A FUEL MANIFOLD OF A GAS TURBINE ENGINE USING A PUMP**
[54] **SYSTEME ET PROCEDE POUR PURGER UN COLLECTEUR DE CARBURANT D`UNE TURBINE A GAZ UTILISANT UNE POMPE**
[72] SHENOUDA, ANTWAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-13
[41] 2020-11-15
[30] US (62/848,196) 2019-05-15
[30] US (62/849,428) 2019-05-17
[30] US (62/850,809) 2019-05-21
[30] US (62/848,231) 2019-05-15
[30] US (62/848,223) 2019-05-15
[30] US (62,848,187) 2019-05-15
[30] US (16/871,127) 2020-05-11

[21] **3,080,783**
[13] A1
[51] **Int.Cl. B60D 1/24 (2006.01) B60D 1/42 (2006.01)**
[25] EN
[54] **HIGH ARTICULATING IMPLEMENT HITCH**
[54] **ATTELAGE DE GRANDE ARTICULATION**
[72] HELMECZI, RAYMOND, CA
[72] KOWCH, JAMES, CA
[71] BRIDGEVIEW MFG. INC., CA
[22] 2020-05-14
[41] 2020-11-15
[30] US (62/848,105) 2019-05-15

[21] **3,080,784**
[13] A1
[51] **Int.Cl. F02C 9/42 (2006.01) B64D 37/00 (2006.01) F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/26 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PURGING A FUEL MANIFOLD OF A GAS TURBINE ENGINE USING AN ACCUMULATOR**
[54] **SYSTEME ET PROCEDE POUR PURGER UN COLLECTEUR DE CARBURANT D`UNE TURBINE A GAZ UTILISANT UN ACCUMULATEUR**
[72] MORENKO, OLEG, CA
[72] TARLING, STEPHEN, CA
[72] BROCCOLINI, IAN, CA
[72] KOJOVIC, ALEKSANDAR, CA
[72] VERHIEL, JEFFREY RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-13
[41] 2020-11-15
[30] US (62/848,187) 2019-05-15
[30] US (62/849,428) 2019-05-17
[30] US (62/850,809) 2019-05-21
[30] US (62/848,231) 2019-05-15
[30] US (62/848,223) 2019-05-15
[30] US (62/848,196) 2019-05-15
[30] US (16/871,124) 2020-05-11

[21] **3,080,786**
[13] A1
[51] **Int.Cl. B01D 25/26 (2006.01) B01D 63/08 (2006.01)**
[25] EN
[54] **FILTERING AND SEPARATING DEVICE FOR LIQUID MIXTURES UNDER PRESSURE BY MEANS OF MEMBRANES**
[54] **APPAREIL DE FILTRATION ET DE SEPARATION DES MELANGES DE LIQUIDE SOUS PRESSION AU MOYEN DE MEMBRANES**
[72] FAIGA, RALF, DE
[71] R.T.S. ROCHEM TECHNICAL SERVICES GMBH, DE
[22] 2020-05-14
[41] 2020-11-15
[30] EP (EP19000237.8) 2019-05-15

[21] **3,080,791**
[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **POWER RUNNING BOARD WITH SEALED BUSHINGS**
[54] **MARCHEPIED ELECTRIQUE AVEC TRAVERSEES ETANCHES**
[72] PANTEA, SORIN OVIDIU, CA
[72] MOLLIGODA, KEVIN C., CA
[72] D'ANTIMO, JASON, CA
[72] BRIMM, ROBERT DALE, US
[71] MAGNA EXTERIORS INC., CA
[22] 2020-05-19
[41] 2020-11-20
[30] US (62/850,067) 2019-05-20

[21] **3,080,792**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6804 (2018.01) C12Q 1/689 (2018.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **DNAZYME-BASED SENSOR FOR HELICOBACTER PYLORI**
[54] **CAPTEUR BASE SUR DES DNAZYMES POUR DETECTER LA BACTERIE HELICOBACTER PYLORI**
[72] BRENNAN, JOHN D., CA
[72] LI, YINGFU, CA
[72] ALI, MONSUR, CA
[72] FILIPE, CARLOS, CA
[72] WOLFE, MICHAEL GREGORY, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2020-05-15
[41] 2020-11-15
[30] US (62/848,240) 2019-05-15

[21] **3,080,825**
[13] A1
[51] **Int.Cl. F04B 49/06 (2006.01) G05B 17/02 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **DYNAMIC COMPRESSOR CONTROLS**
[54] **COMMANDES DE COMPRESSEUR DYNAMIQUE**
[72] COWAN, ADRIAN, AU
[71] DETECHTION USA INC., US
[22] 2020-05-19
[41] 2020-11-21
[30] US (62/850,763) 2019-05-21
[30] US (16/869,772) 2020-05-08

[21] **3,080,834**
[13] A1
[51] **Int.Cl. B25F 5/02 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **ROTARY TOOL**
[54] **OUTIL ROTATIF**
[72] GADDIS, BENJAMIN A., US
[72] JERABEK, JESSE J., US
[72] THACKERY, CLINTON C., US
[72] MERTEL, BRIAN D., US
[72] JACOWAY, M. GRAYSON, US
[72] BUCK, WILLIAM C., US
[72] FRAZIER, ERIK K., US
[72] CREASMAN, JACOB F., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2020-05-19
[41] 2020-11-20
[30] US (16/417,228) 2019-05-20

[21] **3,080,840**
[13] A1
[51] **Int.Cl. G06F 16/24 (2019.01) G06F 16/28 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIACHRONIC MACHINE LEARNING ARCHITECTURE**
[54]
[72] KAZEMI, SEYED MEHRAN, CA
[72] GOEL, RISHAB, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2020-05-15
[41] 2020-11-16
[30] US (62/849,023) 2019-05-16

[21] **3,080,841**
[13] A1
[51] **Int.Cl. B27C 1/10 (2006.01)**
[25] EN
[54] **PLANER ATTACHMENT FOR A ROTARY POWER TOOL**
[54] **ACCESSOIRE DE RABOTEUSE POUR UN OUTIL ELECTRIQUE ROTATIF**
[72] EVATT, THOMAS, US
[72] DAHILL, DREW A., US
[72] TENNANT, CHRISTOPHER S., US
[71] TECHTRONIC CORDLESS GP, US
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[30] US (62/850,169) 2019-05-20

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[51] **Int.Cl. C12Q 1/04 (2006.01) C12M 1/22 (2006.01) C12M 1/34 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **KIT AND METHOD FOR ANTIBIOTICS SUSCEPTIBILITY TESTING WITH THE AGAR DILUTION METHOD**
[54] **TROUSSE ET PROCEDE D`EPREUVES DE SENSIBILITE AUX ANTIBIOTIQUES AVEC LA TECHNIQUE DE DILUTION EN GELOSE**
[72] BROCCO, SILVIO, IT
[71] LIOFILCHEM S.R.L., IT
[22] 2020-05-19
[41] 2020-11-20
[30] IT (102019000007007) 2019-05-20

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[13] A1
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[25] EN
[54] **SUPPRESSION OF FIRE**
[54] **EXTINCTION DES INCENDIES**
[72] HODGEN, ZACKERY MICHAEL, CA
[72] EMMONS, QUINCY ANDREW, CA
[72] HYNDMAN, DAVID JOHN, CA
[71] FIREREIN INC., CA
[22] 2020-05-15
[41] 2020-11-21
[30] US (62/850828) 2019-05-21

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[51] **Int.Cl. F16C 33/58 (2006.01) F16C 43/04 (2006.01)**
[25] EN
[54] **BEARING ASSEMBLY WITH INNER RINGS AND METHOD OF ALIGNMENT**
[54] **MONTAGE A ROULEMENT AVEC BAGUES INTERIEURES ET PROCEDE D`ALIGNEMENT**
[72] POIRIER, CEDRIC, CA
[72] PELLETIER, MARC-ANDRE, CA
[72] JEAN, MICHEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-19
[41] 2020-11-17
[30] US (16/415,381) 2019-05-17

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[13] A1
[51] **Int.Cl. B64C 7/00 (2006.01) B64C 5/12 (2006.01)**
[25] EN
[54] **AIRCRAFT NACELLES HAVING ADJUSTABLE CHINES**
[54] **NACELLES POUR AVIONS MUNIES DE QUILLES D`ANGLE REGLABLES**
[72] CLARK, ADAM M., US
[72] BAYS-MUCHMORE, C. BYRAM, US
[72] KONINGS, CHRISTOPHER ANDREW, US
[72] PHUNG, CONNIE, US
[72] GOERING, DANIEL JOSEPH, US
[72] ROBINSON, MILES ANTHONY, US
[72] VIJGEN, PAUL M., US
[72] PHILIPP, PAUL BRIAN, US
[72] DODT, THOMAS K., US
[71] THE BOEING COMPANY, US
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[30] US (16/417039) 2019-05-20

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[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **DEEP-LEARNING-BASED SYSTEM AND PROCESS FOR IMAGE RECOGNITION**
[54] **SYSTEME ET PROCEDE D`APPRENTISSAGE APPROFONDI POUR LA RECONNAISSANCE D`IMAGE**
[72] WU, BO, CA
[72] WAN, CHING LEONG, CA
[72] ZHU, YUEFEI, CA
[72] WAN, BO, CA
[72] SHAHIR, SEYED HAMED YAGHOUBI, CA
[71] BANK OF MONTREAL, CA
[22] 2020-05-14
[41] 2020-11-16
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[51] **Int.Cl. H02H 3/027 (2006.01) H01H 71/44 (2006.01)**
[25] EN
[54] **CONTROLLED SWITCHING OF A CIRCUIT BREAKER**
[54] **INTERRUPTEUR DE COMMANDE D`UN COUPE-CIRCUIT**
[72] STANEK, MICHAEL, CH
[72] PARIKH, URMIL, IN
[71] ABB SCHWEIZ AG, CH
[22] 2020-05-14
[41] 2020-11-16
[30] EP (19174889.6) 2019-05-16

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[51] **Int.Cl. A62C 33/00 (2006.01) A62C 33/04 (2006.01)**
[25] EN
[54] **FIRE HOSE HANDLING AND RE-LOADING DEVICE**
[54] **APPAREIL DE MANUTENTION ET DE RECHARGEMENT D`UN BOYAU D`INCENDIE**
[72] WARD, JAMES OWEN, US
[71] WARD, JAMES OWEN, US
[22] 2020-05-15
[41] 2020-11-16
[30] US (62/920,787) 2019-05-16
[30] US (16/599,498) 2019-10-11

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[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**
[25] EN
[54] **MULTI-HINGE TONNEAU COVER**
[54] **COUVRE-HABITACLE A CHARNIERES MULTIPLES**
[72] FACCHINELLO, JEROME, US
[72] CARTER, CHAD, US
[72] GERMANO, DAVID, US
[72] MOSINGO, ROBBIE, US
[72] DELONG, RYAN, US
[71] TECTUM HOLDINGS, INC., US
[22] 2020-05-14
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[51] **Int.Cl. H04R 25/00 (2006.01) H04N 21/84 (2011.01) G10L 13/00 (2006.01) H04N 21/436 (2011.01)**
[25] EN
[54] **AUDIO IMPROVEMENT USING CLOSED CAPTION DATA**
[54] **AMELIORATION DU SON A L`AIDE DE DONNEES AVEC SOUS-TITRES CODES**
[72] CALKINS, JEFF, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-05-15
[41] 2020-11-17
[30] US (16/415,730) 2019-05-17

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[51] **Int.Cl. B29C 45/18 (2006.01) B29C 45/20 (2006.01)**
[25] EN
[54] **INJECTION MOLDING APPARATUS WITH HOT RUNNERS**
[54] **DISPOSITIF DE MOULAGE PAR INJECTION A CANAUX CHAUFFANTS**
[72] SANGIORGI, GABRIELE, IT
[72] FINI, MARCO, IT
[72] PENAZZI, DAVIDE, IT
[71] SACMI IMOLA S.C., IT
[22] 2020-05-15
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[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **DISINFECTION SYSTEM FOR REUSABLE MEDICAL INSTRUMENTS**
[54] **SYSTEME DE DESINFECTANT POUR INSTRUMENTS MEDICAUX REUTILISABLES**
[72] NEVEU, CEDRIC, FR
[72] LEPINE, FREDERIC, FR
[72] DESHAYS, CLEMENT, FR
[71] GERMITEC, FR
[22] 2020-05-15
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[51] **Int.Cl. H04B 7/155 (2006.01) H04B 1/38 (2015.01)**
[25] EN
[54] **MULTI-USE BOOSTER**
[54] **SURAMPLIFICATEUR MULTIUTILISATEUR**
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] GUDEWICZ, JEFFREY THOMAS, US
[72] COOK, PATRICK LEE, US
[71] WILSON ELECTRONICS, LLC, US
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[51] **Int.Cl. F16L 37/32 (2006.01) B29C 33/04 (2006.01)**
[25] FR
[54] **FLUIDIC CONNECTOR FEMALE ELEMENT, CONNECTION SUBSET AND CONNECTOR COMPRISING SUCH A FEMALE ELEMENT**
[54] **ELEMENT FEMELLE DE RACCORD FLUIDIQUE, SOUS-ENSEMBLE DE RACCORDEMENT ET RACCORD COMPRENANT UN TEL ELEMENT FEMELLE**
[72] TIBERGHIEN, ALAIN-CHRISTOPHE, FR
[72] DURIEUX, CHRISTOPHE, FR
[72] MARQUES-BARROCA, SERAFIM, FR
[71] STAUBLI FAVERGES, FR
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[25] EN
[54] **FIRE-RATED JOINT COMPONENT AND WALL ASSEMBLY**
[54] **COMPOSANT DE JOINT COUPE-FEU ET CLOISON**
[72] PILZ, DONALD ANTHONY, US
[72] ELLIOTT, TYLER, US
[71] CALIFORNIA EXPANDED METAL PRODUCTS COMPANY, US
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[41] 2020-11-21
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[51] **Int.Cl. B60D 1/62 (2006.01) B60D 1/64 (2006.01) B60R 16/02 (2006.01)**
[25] EN
[54] **NOSE BOX INSERT FOR MONITORING AND FAULT DETECTION IN A TRUCK TRAILER**
[54] **INSERT DE BOITE DE NEZ POUR SURVEILLANCE ET DETECTION DE DEFAILLANCE DANS UNE REMORQUE DE CAMION**
[72] SLADE, ADAM, US
[72] CORNELIUS, KEVIN, US
[71] GROTE INDUSTRIES, INC., US
[22] 2020-05-14
[41] 2020-11-15
[30] US (16/412876) 2019-05-15

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[51] **Int.Cl. B01D 61/14 (2006.01)**
[25] EN
[54] **FILTERING AND SEPARATING DEVICE FOR LIQUID MIXTURES UNDER PRESSURE BY MEANS OF MEMBRANES**
[54] **APPAREIL DE FILTRATION ET DE SEPARATION DES MELANGES DE LIQUIDE SOUS PRESSION AU MOYEN DE MEMBRANES**
[72] FAIGA, RALF, DE
[71] R.T.S. ROCHEM TECHNICAL SERVICES GMBH, DE
[22] 2020-05-14
[41] 2020-11-15
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[25] EN
[54] **JOINT LOCK**
[54] **BLOCAGE D`ARTICULATION**
[72] DRECHSEL, CHRISTIAN, DE
[72] LIND, THOMAS, DE
[71] ABUS AUGUST BREMICKER SOHNE KG, DE
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[30] DE (DE 102019113378.5) 2019-05-20

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[25] EN
[54] **FEED OPTIMIZATION TECHNOLOGY**
[54] **TECHNOLOGIE D`OPTIMISATION DE L`ALIMENTATION**
[72] GALLOP, CHARLES C., US
[72] TJADEN, KEITH, US
[72] COOPER, THERON JAMES, US
[72] GERKEN, CHRISTOPHER RILEY WILLIAM, US
[72] JAVERS, JEREMY EDWARD, US
[72] EMME, BRANDON, US
[71] ICM, INC., US
[22] 2020-05-15
[41] 2020-11-17
[30] US (62/849,554) 2019-05-17

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[13] A1
[51] **Int.Cl. G01S 19/24 (2010.01)**
[25] EN
[54] **METHODS AND DEVICES FOR GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) SIGNAL ACQUISITION**
[54] **PROCEDES ET APPAREILS POUR L`ACQUISITION DE SIGNAUX DU SYSTEME MONDIAL DE NAVIGATION PAR SATELLITES (GNSS)**
[72] YU, WEI, US
[72] KEEGAN, RICHARD G., US
[72] KAPLAN, MARK P., US
[71] DEERE & COMPANY, US
[22] 2020-05-20
[41] 2020-11-21
[30] US (62/851,004) 2019-05-21
[30] US (16/862,360) 2020-04-29

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[13] A1
[51] **Int.Cl. C08F 4/14 (2006.01) C08F 210/10 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR FORMING HIGHLY REACTIVE OLEFIN FUNCTIONAL POLYMERS**
[54] **PROCEDE AMELIORE POUR FORMER DES POLYMERES FONCTIONNELS D`OLEFINES HAUTEMENT REACTIFS**
[72] DIMITROV, PHILIP A., US
[72] SEVERT, RICHARD J., US
[72] HOBIN, PETER J., GB
[72] NESTI, KYLE, GB
[71] INFINEUM INTERNATIONAL LIMITED, GB
[22] 2020-05-20
[41] 2020-11-21
[30] US (16/418,229) 2019-05-21

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[13] A1
[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/26 (2006.01) C22B 3/46 (2006.01) C25C 1/12 (2006.01) C25C 1/16 (2006.01) C22B 11/00 (2006.01) C22B 13/00 (2006.01) C22B 15/00 (2006.01) C22B 19/20 (2006.01)**
[25] EN
[54] **METHOD OF EXTRACTING METALS FROM POLYMETALLIC SULPHIDE ORES OR CONCENTRATES**
[54] **PROCEDE POUR EXTRAIRE LES METAUX DES CONCENTRES OU DES MINERAIS DE SULFURES POLYMETALLIQUES**
[72] FRIAS GOMEZ, CARLOS, ES
[72] SANCHEZ RUIZ, FRANCISCO, ES
[72] BLANCO AVILES, JORGE ANTONIO, ES
[71] COBRE LAS CRUCES, S.A.U., ES
[22] 2020-05-12
[41] 2020-11-17
[30] ES (P201930435) 2019-05-17

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[13] A1
[51] **Int.Cl. F16B 17/00 (2006.01)**
[25] EN
[54] **FASTENER SYSTEMS AND ASSEMBLIES FOR COUPLING A PART TO A COMPOSITE STRUCTURE, AND RELATED METHODS**
[54] **ENSEMBLES ET SYSTEMES DE FIXATION POUR COUPLER UNE PIECE A UNE STRUCTURE DE COMPOSITE, ET PROCEDES CONNEXES**
[72] ROHLINGER, PAUL L., US
[71] THE BOEING COMPANY, US
[22] 2020-05-20
[41] 2020-11-20
[30] US (16/417475) 2019-05-20

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[13] A1
[51] **Int.Cl. G06T 7/30 (2017.01) G06T 7/70 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGE REGISTRATION AND CAMERA CALIBRATION USING LEARNED ERROR FUNCTIONS**
[54] **SYSTEME ET PROCEDE POUR LA SUPERPOSITION D`IMAGES ET LE CALIBRAGE DE LA CAMERA AU MOYEN DE FONCTIONS D`ERREURS APPRISES**
[72] JAVAN ROSHTKHARI, MEHRSAN, CA
[72] JIANG, WEI, CA
[72] GAMBOA HIGUERA, JUAN CAMILO, CA
[72] YI, KWANG MOO, CA
[71] SPORTLOGIQ INC., CA
[22] 2020-05-20
[41] 2020-11-21
[30] US (62/850,910) 2019-05-21

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[13] A1
[51] **Int.Cl. H01M 10/637 (2014.01) H01M 10/615 (2014.01) H01M 10/6571 (2014.01) H01M 2/10 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **ELECTRICAL ENERGY STORAGE SYSTEM, DEVICE AND METHOD**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DE STOCKAGE D`ENERGIE ELECTRIQUE**
[72] VIDRICAIRE, MAXIME, CA
[72] DOS SANTOS, JONATHON, CA
[71] STROMCORE ENERGY INC., CA
[22] 2020-05-15
[41] 2020-11-15
[30] US (62/848,383) 2019-05-15

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[13] A1
[51] **Int.Cl. B08B 9/023 (2006.01)**
[25] EN
[54] **IN-PROCESS CLEANING OF THE EXTERNAL SURFACES OF HEAT-TRANSFER TUBES USING A DRY MIXTURE OF SOLID POWDER AND GASES**
[54] **NETTOYAGE EN COURS DES SURFACES EXTERNES DES TUBES DE TRANSFERT DE CHALEUR AU MOYEN D`UN MELANGE SEC DE POUDRE SOLIDE ET DE GAZ**
[72] SUCHARD, TALMOR, US
[71] SENTRO TECHNOLOGIES USA, LLC, US
[22] 2020-05-20
[41] 2020-11-20
[30] US (62/850,066) 2019-05-20

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04B 5/00 (2006.01)**
[25] EN
[54] **TILE AND SUPPORT STRUCTURE**
[54] **CARREAU ET STRUCTURE DE SOUTIEN**
[72] MCMANUS, MARK A., US
[72] MCMANUS, JASON, US
[72] MCMANUS, NICHOLAS, US
[71] MBRICO, LLC, US
[22] 2020-05-19
[41] 2020-11-17
[30] US (62/849545) 2019-05-17
[30] US (62/884964) 2019-08-09

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[13] A1
[51] **Int.Cl. A01G 18/60 (2018.01) A01G 18/00 (2018.01)**
[25] EN
[54] **DEVICE FOR GROWING MUSHROOMS**
[54] **DISPOSITIF POUR LA CULTURE DES CHAMPIGNONS**
[72] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[72] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[71] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[71] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[22] 2020-05-19
[41] 2020-11-20
[30] NL (2023168) 2019-05-20
[30] NL (2024382) 2019-12-04

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[51] **Int.Cl. E04F 10/08 (2006.01) E04D 13/00 (2006.01) E04D 13/04 (2006.01)**
[25] EN
[54] **LOUVER CANOPY**
[54] **AUVENT DE PERSIENNE**
[72] SHAN, CAIHUA, CN
[72] XU, GAOYANG, CN
[72] SHAN, YUCHENG, CN
[72] HAN, CHAO, CN
[72] DING, JIE, CN
[72] YIN, RUZHONG, CN
[72] LIANG, RIXIN, CN
[72] ZHOU, ZHENG, CN
[72] HAN, YONGNA, CN
[72] ZHOU, JI, CN
[72] NI, KAIYU, CN
[71] ZHEJIANG DOSOLY MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD., CN
[22] 2020-05-20
[41] 2020-11-21
[30] CN (CN201910423880.6) 2019-05-21

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[13] A1
[51] **Int.Cl. A01D 34/73 (2006.01)**
[25] EN
[54] **AGRICULTURAL KNIFE WITH PRIMARY AND SECONDARY SERRATIONS**
[54] **COUTEAU AGRICOLE MUNI DE STRIATIONS PRINCIPALES ET SECONDAIRES**
[72] KOOIMA, PHIL, US
[72] DEN BOER, NOLAN, US
[72] PRAMANN, ZACHARY T., US
[71] KOOIMA AG, INC., US
[22] 2020-05-21
[41] 2020-11-21
[30] US (16/417,806) 2019-05-21

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 40/12 (2020.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINE LEARNING ARCHITECTURE WITH VARIATIONAL AUTOENCODER POOLING**
[54] **SYSTEME ET METHODE POUR L`ARCHITECTURE D`APPRENTISSAGE AUTOMATIQUE AVEC REGROUPEMENT D`AUTO-ENCODEUR DES VARIATIONS**
[72] LONG, TENG, CA
[72] CAO, YANSHUAI, CA
[72] CHEUNG, JACKIE C. K., CA
[71] ROYAL BANK OF CANADA, CA
[22] 2020-05-21
[41] 2020-11-21
[30] US (62/850,902) 2019-05-21

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[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01) B60P 3/36 (2006.01)**
[25] EN
[54] **RETRACTABLE STAIR SYSTEM**
[54] **SYSTEME D`ESCALIER RETRACTABLE**
[72] KAY, JACK, US
[72] WINSLOW, CHAD A., US
[71] TORKLIFT INTERNATIONAL, INC., US
[22] 2020-05-19
[41] 2020-11-20
[30] US (62/850,531) 2019-05-20
[30] US (62/910,628) 2019-10-04

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[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01) B60P 3/37 (2006.01) B62D 25/22 (2006.01) E04F 11/06 (2006.01) E06C 5/28 (2006.01)**
[25] EN
[54] **QUICK DISCONNECT FOR DETACHABLE STAIR SYSTEM**
[54] **DECONNEXION RAPIDE POUR LE SYSTEME D`ESCALIER RETRACTABLE**
[72] KAY, JACK, US
[72] WINSLOW, CHAD A., US
[71] TORKLIFT INTERNATIONAL, INC., US
[22] 2020-05-19
[41] 2020-11-20
[30] US (62/850,531) 2019-05-20
[30] US (62/910,628) 2019-10-04

[21] **3,081,247**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01)**
[25] EN
[54] **AIRCRAFT WITH CREW QUARTERS**
[54] **AERONEF MUNI DE LOCAUX RESERVES A L`EQUIPAGE**
[72] GALIN, ALEXANDRE, CA
[72] FERNELEY, JOHN, CA
[72] AHN, THOMAS, CA
[72] BANERJEE, SIDDHARTHO KONSTANTIN, CA
[71] BOMBARDIER INC., CA
[22] 2020-05-20
[41] 2020-11-21
[30] US (62/850,632) 2019-05-21
[30] US (62/949,674) 2019-12-18

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[13] A1
[51] **Int.Cl. F41B 11/52 (2013.01) A63B 67/00 (2006.01)**
[25] EN
[54] **LATCHING LOADER MECHANISM WITH GATED FEED**
[54] **MECANISME DE CHARGEUR D`ENCLENCHEMENT**
[72] WOOD, JACK KINGSLEY, GB
[71] PLANET ECLIPSE UK LIMITED, GB
[22] 2020-05-21
[41] 2020-11-21
[30] US (62/850732) 2019-05-21
[30] US (16/877659) 2020-05-19

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[13] A1
[51] **Int.Cl. E05D 3/02 (2006.01) E05D 7/00 (2006.01)**
[25] EN
[54] **HINGE**
[54] **CHARNIERE**
[72] WINDMANN, FRANK, DE
[71] BOHLE AG, DE
[22] 2020-05-20
[41] 2020-11-21
[30] DE (102019113555.9) 2019-05-21

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[13] A1
[51] **Int.Cl. B64D 27/26 (2006.01)**
[25] EN
[54] **MOUNT ARRANGEMENT FOR TORQUE ROLL VIBRATION ISOLATION**
[54] **DISPOSITIF DE MONTAGE POUR L`ISOLATION DES VIBRATIONS DU ROULEAU DE COUPLE**
[72] TOMES, NATHAN, CA
[72] GAGNON-MARTIN, DAVID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-05-06
[41] 2020-11-17
[30] US (16/415,308) 2019-05-17

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[54] **SYSTEME DE SUIVI DE LA TROUSSE D`INSTRUMENT**
[72] NUNES, VICTOR M., US
[71] Q MED INNOVATIONS, INC., US
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[54] **METHODS TO MIMIC TARGET FOOD ITEMS USING ARTIFICIAL INTELLIGENCE**
[54] **PROCEDES POUR RECREER DES ALIMENTS CIBLES AU MOYEN DE L`INTELLIGENCE ARTIFICIELLE**
[72] PICHARA, KARIM, CL
[72] ZAMORA, PABLO, CL
[72] MUCHNICK, MATIAS, CL
[72] VASQUEZ, ORLANDO, CL
[71] NOTCO DELAWARE, LLC, CL
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[54] **COLLECTEURS, CONTREFORTS ET COLONNES EN BOIS A RUPTURE THERMIQUE DOTES D`UNE ISOLATION RIGIDE**
[72] IVERSON, BRIAN, US
[71] IVERSON, BRIAN, US
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[54] **RAPIDLY DEPLOYABLE FLOOD DEFENCE SYSTEM**
[54] **SYSTEME DE DEFENSE CONTRE LES INONDATIONS A DEPLOIEMENT RAPIDE**
[72] PARSONS, ROBERT JOHN, CA
[71] PARSONS, ROBERT JOHN, CA
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[54] **SYSTEMS AND METHODS FOR SIDE-CHANNEL MONITORING OF A LOCAL NETWORK**
[54] **SYSTEMES ET PROCEDES POUR LA SURVEILLANCE DU CANAL SECONDAIRE D`UN RESEAU LOCAL**
[72] MORENO, CARLOS, CA
[72] FISCHMEISTER, SEBASTIAN, CA
[71] MORENO, CARLOS, CA
[71] FISCHMEISTER, SEBASTIAN, CA
[22] 2020-07-16
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[25] EN
[54] **MULTI-FUNCTIONAL DEVICE FOR COMMUNICATIONS NETWORKS AND METHODS AND SYSTEMS UTILIZING SAME**
[54] **DISPOSITIF MULTIFONCTIONNEL POUR DES RESEAUX DE COMMUNICATION ET LES PROCEDES ET SYSTEMES QUI LES UTILISENT**
[72] IWASAKI, SEAN, US
[71] IWASAKI, SEAN, US
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[30] US (16/839,260) 2020-04-03
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[54] **ELEVATED STRUCTURE-MOUNTED LIGHTING SYSTEM**
[54] **SYSTEME D`ECLAIRAGE MONTE SUR UNE STRUCTURE ELEVEE**
[72] ALLISON, JOSHUA C., US
[72] HAALAND, JOSH, US
[72] IVANOFF, JESSICA, US
[71] C&M OILFIELD RENTALS, 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
[71] NORWOOD INDUSTRIES INC., CA
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[25] EN
[54] **AN AUTOMATED, CLOUD-BASED, POINT-OF-CARE (POC) PATHOGEN AND ANTIBODY ARRAY DETECTION SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE DETECTION DE RESEAU D`ANTICORPS ET D`AGENTS PATHOGENES DE POINT D`INTERVENTION AUTOMATISES ET BASES SUR L`INFONUAGIQUE**
[72] SHACHAR, JOSH, US
[72] FELGNER, PHILIP, US
[72] MADOU, MARC, US
[71] AUTONOMOUS MEDICAL DEVICES, INC., US
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[54] **TIME OFFSET BASED SYNCHRONIZATION IN MOBILE DEVICE LOCALIZATION**
[54] **SYNCHRONISATION BASEE SUR LE DECALAGE DE TEMPS DANS LA LOCALISATION D`APPAREILS MOBILES**
[72] HUBERMAN, SEAN, CA
[72] KARON, JOSHUA, CA
[71] MAPSTED CORP., CA
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[54] **HEATING CONROL METHOD, DEVICE AND ICE MAKER**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE CHAUFFAGE ET MACHINE A GLACONS**
[72] ZHANG, JINGYU, CN
[72] LI, YU, CN
[72] WEI, DEMING, CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[85] 2020-02-11
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[87] (3068643)
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[54] **WIRELESS POWER SUPPLY AND SPEED CONTROLLER FOR TATTOO MACHINE**
[54] **BLOC D'ALIMENTATION ET COMMANDE DE VITESSE SANS FIL POUR UNE MACHINE A TATOUER**
[72] LIPSCOMB, RANDY, US
[71] CRITICAL TATTOO SUPPLY, LLC, US
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[54] **PISTOLET DE CABLAGE INTEGRE ET PROCEDE**
[72] HARDESTY, JOHN THOMAS, US
[72] SALTARELLI, TERRELL, US
[72] WESSON, DAVID S., US
[71] GEODYNAMICS, INC., US
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[54] **VIBRATION BOX ON NEGATIVE PRESSURE CUP CAPABLE OF STRENGTHENING AIRTIGHTNESS FOR ACHIEVING WATERPROOF, ANTI-COLLISION AND NOISE REDUCTION FUNCTIONS**
[54] **CAISSON DE VIBRATION SUR GODET A PRESSION NEGATIVE CAPABLE DE RENFORCER L'ETANCHEITE A L'AIR POUR OBTENIR DES FONCTIONS D'IMPERMEABILITE A L'EAU, ANTI-COLLISION ET DE REDUCTION DE BRUIT**
[72] LIU, PO-CHANG, CN
[72] LIU, SHIH-TA, CN
[71] BIBOTING INTERNATIONAL CO., LTD, CN
[71] LIU, PO-CHANG, CN
[71] LIU, SHIH-TA, CN
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[51] **Int.Cl. A61K 31/472 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **USE OF BERBAMINE DIHYDROCHLORIDE IN PREPARATION OF EBOLA VIRUS INHIBITOR**
[54] **UTILISATION DE DICHLORHYDRATE DE BERBAMINE DANS LA PREPARATION D'UN INHIBITEUR DU VIRUS EBOLA**
[72] CEN, SHAN, CN
[72] LI, QUANJIE, CN
[72] YI, DONGRONG, CN
[72] SHI, YI, CN
[72] WANG, HAN, CN
[72] ZHOU, JINMING, CN
[71] INSTITUTE OF MEDICINAL BIOTECHNOLOGY, CHINESE ACADEMY OF MEDICAL SCIENCES, CN
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[54] **ACTIONNEUR DE LA VALEUR DU NIP AU QUART DE TOUR**
[72] MACDUFF, MALCOLM, CA
[71] MACDUFF, MALCOLM, CA
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[51] **Int.Cl. C07D 215/24 (2006.01) A61K 31/4704 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **SMALL MOLECULES FOR TREATING CANCER, INHIBITING CHEMOKINE ACTIVITY AND/OR INDUCING CELL DEATH**
[54] **PETITES MOLECULES POUR LE TRAITEMENT DU CANCER, L'INHIBITION DE L'ACTIVITE DE CHIMIOKINE ET/OU L'INDUCTION DE LA MORT CELLULAIRE**
[72] PELED, AMNON, IL
[72] ABRAHAM KARNI, MICHAL, IL
[72] EIZENBERG, ORLY, IL
[71] BIOKINE THERAPEUTICS LTD., IL
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[54] **MIRNAS FOR TREATMENT AND IN VITRO DIAGNOSIS OF DRUG RESISTANT TUMORS**
[54] **MIARN POUR LE TRAITEMENT ET LE DIAGNOSTIC IN VITRO DE TUMEURS PHARMACORESISTANTES**
[72] CILIBERTO, GENNARO, IT
[72] ASCIERTO, PAOLO ANTONIO, IT
[72] FATTORE, LUIGI, IT
[72] BOTTI, GERARDO, IT
[72] MANCINI, RITA, IT
[71] ISTITUTI FISIOTERAPICI OSPITALIERI, IT
[71] ISTITUTO NAZIONALE TUMORI I.R.C.C.S. "FONDAZIONE G. PASCALE", IT
[71] UNIVERSITA' DEGLI SUTDI DI ROMA "LA SAPIENZA", IT
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[25] EN
[54] **SYSTEM AND METHOD FOR MAPPING HYDROCARBON SOURCE ROCK USING SEISMIC ATTRIBUTES**
[54] **SYSTEME ET PROCEDE DE CARTOGRAPHIE DE ROCHE MERE D'HYDROCARBURES A L'AIDE D'ATTRIBUTS SISMIQUES**
[72] CHEN, MINGYA, US
[72] LIN, FANG, US
[72] SKELT, CHRISTOPHER H., US
[71] CHEVRON U.S.A. INC., US
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[72] BLACKFORD, TIMOTHY D., US
[72] KASZUBSKI, GLEN J., US
[72] FRENCH, MARIA S., US
[72] NOVITSKY, THEODORE F., JR., US
[71] PPG ARCHITECTURAL FINISHES, INC., US
[85] 2020-10-26
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[54] **BINDING MOLECULES AGAINST BCMA AND USES THEREOF**
[54] **MOLECULES DE LIAISON DIRIGEES CONTRE BCMA ET LEURS UTILISATIONS**
[72] ABUJOUB, AIDA, US
[72] BLANKENSHIP, JOHN, US
[72] FLEMING, TONY, US
[72] HOLMBERG, BRIAN, US
[72] HONG, CONNIE, US
[72] HUANG, LU, US
[72] LU, HAIHUI, US
[72] GRANDA, BRIAN WALTER, US
[71] NOVARTIS AG, CH
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[54] **ROBOT CONTEXTUALIZATION OF MAP REGIONS**
[54] **CONTEXTUALISATION ROBOTISEE DE REGIONS DE CARTE**
[72] MORONITI, DAVID, US
[72] SWEET, NICHOLAS, US
[72] GREEN, MICAH ESTIN, US
[71] MAIDBOT, INC., US
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[54] **METHOD OF MANUFACTURING A WOOD-BASED PANEL**
[54] **PROCEDE DE FABRICATION DE PANNEAU A BASE DE BOIS**
[72] DOHRING, DIETER, DE
[71] XYLO TECHNOLOGIES AG, CH
[85] 2020-10-27
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[51] **Int.Cl. G01M 5/00 (2006.01)**
[25] EN
[54] **SENSOR FOR DETECTING MECHANICAL CHANGES AT AN EARLY STAGE**
[54] **DISPOSITIF DE DETECTION POUR LA RECONNAISSANCE PRECOCE DE MODIFICATIONS MECANIQUES**
[72] FRIEDBERGER, ANDREAS, DE
[71] MACK RIDES GMBH & CO. KG, DE
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[25] FR
[54] **HEAT TREATMENT DEVICE COMPRISING A REFRACTORY ENVELOPE**
[54] **DISPOSITIF DE TRAITEMENT THERMIQUE A ENVELOPPE REFRACTAIRE**
[72] LEPEZ, OLIVIER, FR
[72] SAJET, PHILIPPE, FR
[71] E.T.I.A. - EVALUATION TECHNOLOGIQUE, INGENIERIE ET APPLICATIONS, FR
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[25] EN
[54] **MIXING AND KNEADING MACHINE**
[54] **MACHINE DE MELANGE ET DE MALAXAGE**
[72] WALTER, WOLFGANG, DE
[72] SCHOTZAU, MARTIN, CH
[71] BUSS AG, CH
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[54] **ENERGY STORAGE MODULE**
[54] **MODULE ACCUMULATEUR D'ENERGIE**
[72] LYSFJORD, IVAR HAAKON, NO
[72] SIRNES, GEIRFINN, NO
[72] SKAGA, STEINAR, NO
[72] SNILSBERG, GUNNAR, NO
[71] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **APPARATUS AND METHOD FOR PROVIDING ULTRAPURE WATER**
[54] **APPAREIL ET PROCEDE POUR FOURNIR DE L'EAU ULTRA PURE**
[72] RYCHEN, PHILIPPE, FR
[72] SALADIN, DOMINIK, CH
[72] KEAV, SYLVAIN, FR
[71] OVIVO INC., CA
[85] 2020-10-27
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[54] **PROCESS FOR PREPARING A POTENT THIAZOLE COMPOUND, PHARMACEUTICAL FORMULATION AND USES THEREOF**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE THIAZOLE PUISSANT, FORMULATION PHARMACEUTIQUE ET UTILISATIONS ASSOCIEES**
[72] GANJU, PARUL, IN
[72] PRASAD, SUDHANAND, IN
[72] VERMA, MAHESH, KUMAR, IN
[72] KOMIRISHETTY, KASHINATH, IN
[72] RICHHARIA, ANNIE, IN
[71] AHAMMUNE BIOSCIENCES PRIVATE LIMITED, IN
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[54] **ARRESTING CABLE RETRACTION SYSTEM**
[54] **SYSTEME DE RETRACTION DE CABLE D'ARRET**
[72] SCHNEIDER, KIRK F., US
[72] AGREN, JUSTIN S., US
[72] CHANEY, TRAVIS L., US
[72] LEVESQUE, CHRISTOPHER J., US
[72] SMITH, SCOTT A., US
[72] NEELD, KENNETH J., US
[72] ARROYO-MARQUEZ, ISAAC, US
[72] SCOTT, CRAIG H., US
[71] ENGINEERED ARRESTING SYSTEMS CORPORATION, US
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[54] **USE OF VIBEGRON TO TREAT PAIN ASSOCIATED WITH IRRITABLE BOWEL SYNDROME**
[54] **UTILISATION DE VIBEGRON POUR TRAITER LA DOULEUR ASSOCIEE AU SYNDROME DU COLON IRRITABLE**
[72] MUDD, PAUL N., JR., US
[72] HAAG-MOLKENTELLER, CORNELIA, US
[72] ZHOU, JIHAO, US
[72] SCHAUMBURG, CHRIS, US
[72] NICANDRO, JEAN PAUL ABRIAN, US
[71] UROVANT SCIENCES GMBH, CH
[85] 2020-10-27
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[30] US (62/675,747) 2018-05-23
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[25] EN
[54] **COMPOSITE STRUCTURAL ELEMENTS**
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[72] WEISSBERG, VICTOR, IL
[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL
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[54] **TIMING SYNCHRONIZATION OVER CABLE NETWORKS**
[54] **SYNCHRONISATION TEMPORELLE SUR DES RESEAUX DE CABLES**
[72] NEUGEBOREN, YAIR, IL
[72] BARUCH, ELIEZER, US
[72] WHEELOCK, IAN G., IE
[71] ARRIS ENTERPRISES LLC, US
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[30] US (62/663,742) 2018-04-27
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[54] **TARGETED DELIVERY OF PROGESTINS AND ESTROGENS VIA VAGINAL RING DEVICES FOR FERTILITY CONTROL AND HRT PRODUCTS**
[54] **ADMINISTRATION CIBLEE DE PROGESTINES ET D'□STROGENES PAR L'INTERMEDIAIRE DE DISPOSITIFS D'ANNEAU VAGINAL POUR DES PRODUITS DE CONTROLE DE LA FERTILITE ET DES PRODUITS HRT**
[72] LEGER, WALTER, DE
[72] NICKISCH, KLAUS, DE
[72] SHAKED, ZE'EV, US
[72] EGGENREICH, KARIN, US
[72] EDER, SIMONE, DE
[72] WITSCHNIGG, ANDREAS, DE
[71] EVESTRA, INC., US
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[54] **PAINT REMOVER HAVING REDUCED FLAMMABILITY**
[54] **DECAPANT POUR PEINTURE PRESENTANT UNE INFLAMMABILITE REDUITE**
[72] TEAGUE, TIM, US
[72] PETKUS, MATTHEW MICHAEL, US
[72] SHIREMAN, DENNIS EARL, US
[72] BYRD, ALANA, US
[71] W.M. BARR & COMPANY, INC., US
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[25] EN
[54] **RAPID RECONCILIATION OF ERRORS AND BOTTLENECKS IN DATA-DRIVEN WORKFLOWS**
[54] **RAPPROCHEMENT RAPIDE D'ERREURS ET DE GOULOTS D'ETRANGLEMENT DANS DES FLUX DE TRAVAUX DIRIGES PAR DES DONNEES**
[72] SARIPALLI, KANAKA PRASAD, US
[72] WOLCOTT, FRANK LUCAS, US
[71] EDIFECS, INC., US
[85] 2020-10-27
[86] 2019-04-24 (PCT/US2019/028988)
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[54] **METHODS FOR TREATING TESTICULAR AND OVARIAN ADRENAL REST TUMORS**
[54] **METHODES DE TRAITEMENT DE TUMEURS DES VERTIGES SURRENALIENS DES TESTICULES ET DES OVAIRES**
[72] HOWERTON, ALEXIS, US
[72] GERBER, HAL, US
[71] SPRUCE BIOSCIENCES, INC., US
[85] 2020-10-27
[86] 2019-04-26 (PCT/US2019/029486)
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[54] **SCALABLE CLARIFICATION PROCESS FOR RECOMBINANT AAV PRODUCTION**
[54] **PROCEDE DE CLARIFICATION EVOLUTIF POUR LA PRODUCTION D'AAV RECOMBINANTS**
[72] ZHANG, CLAIRE G., US
[72] WENG, SHAOJIE, US
[72] CHANG, YA-CHEN, US
[72] GERNER, FRANZ M., US
[71] REGENXBIO INC., US
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[30] US (62/664,254) 2018-04-29
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[54] **SYSTEMS AND METHODS OF SPECTROPHOTOMETRY FOR THE DETERMINATION OF GENOME CONTENT, CAPSID CONTENT AND FULL/EMPTY RATIOS OF ADENO-ASSOCIATED VIRUS PARTICLES**
[54] **SYSTEMES ET PROCEDES DE SPECTROPHOTOMETRIE POUR LA DETERMINATION DE CONTENU GENOMIQUE, DE CONTENU DE CAPSIDE ET DE RAPPORTS COMPLETS/VIDES DE PARTICULES DE VIRUS ADENO-ASSOCIES**
[72] WU, ZHUCHUN, US
[72] WEBBER, KEITH, US
[72] HOWIE, BRIAN, US
[72] ZHI, LI, US
[71] REGENXBIO INC., US
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[54] **LOW TEMPERATURE SPRAY DRYING OF CARRIER-FREE COMPOSITIONS**
[54] **SECHAGE PAR PULVERISATION A BASSE TEMPERATURE DE COMPOSITIONS SANS SUPPORT**
[72] BEETZ, CHARLES PERSHING, US
[72] BEETZ, JASON ANDREW, US
[72] SCHLIPF, DANIEL MICHAEL, US
[72] LI, JASON ZHIXIN, US
[71] ZOOMESSENCE, INC., US
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[54] **SEIZURE DETECTION USING MULTIPLE BIOMEDICAL SIGNALS**
[54] **DETECTION DE CRISE D'EPILEPSIE A L'AIDE DE MULTIPLES SIGNAUX BIOMEDICAUX**
[72] LODDENKEMPER, TOBIAS, US
[72] SALEHIZADEH, HAMED, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[71] WENTWORTH INSTITUTE OF TECHNOLOGY, US
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[54] **FLUID COLLECTION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE FLUIDE**
[72] GLITHERO, JASON IAIN, US
[71] PUREWICK CORPORATION, US
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[54] **FLUID COLLECTION DEVICES, RELATED SYSTEMS, AND RELATED METHODS**
[54] **DISPOSITIFS DE COLLECTE DE FLUIDE, SYSTEMES ASSOCIES ET PROCEDES ASSOCIES**
[72] HUGHETT, JAMES DAVID, US
[72] REHM, ERIC, US
[71] PUREWICK CORPORATION, US
[85] 2020-10-27
[86] 2019-04-29 (PCT/US2019/029609)
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[54] **FLUID COLLECTION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE FLUIDE**
[72] AUSTERMANN, NICK, US
[72] GLITHERO, JASON IAIN, US
[72] JOHANNES, ASHLEY MARIE, US
[71] PUREWICK CORPORATION, US
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[25] EN
[54] **HSV-2-DELTA-GD VACCINES AND METHODS FOR THEIR PRODUCTION AND USE**
[54] **VACCINS HSV-2-DELTA-GD, PROCEDES DE PRODUCTION ET UTILISATIONS**
[72] JACOBS, WILLIAM, US
[72] HEROLD, BETSY, US
[72] DARDICK, JOSEPH, US
[72] WEISS, KAYLA A., US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US
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[25] EN
[54] **METHODS FOR THE MANUFACTURE OF LIPOSOMAL DRUG FORMULATIONS**
[54] **PROCEDES DE FABRICATION DE FORMULATIONS DE MEDICAMENT LIPOSOMAL**
[72] WORSHAM, ROBERT, US
[71] INSMED INCORPORATED, US
[71] WORSHAM, ROBERT, US
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[54] **LOCKING CLAMP FOR A ROTATING CONTROL DEVICE**
[54] **PINCE DE VERROUILLAGE POUR UN DISPOSITIF DE COMMANDE ROTATIF**
[72] DOWNIE, RONALD JAMES, CA
[72] DUNBAR, JOEL VICTOR-DAVID, CA
[71] REFORM ENERGY SERVICES CORP., CA
[85] 2020-10-28
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[54] **POWER AND COMMUNICATION ARRANGEMENTS FOR AN ACCESS CONTROL SYSTEM**
[54] **AGENCEMENTS D'ALIMENTATION ET DE COMMUNICATION POUR UN SYSTEME DE CONTROLE D'ACCES**
[72] CARPENTER, JOHN C., US
[72] BAUMGARTE, JOSEPH W., US
[72] OEHLER, KEVIN P., US
[71] SCHLAGE LOCK COMPANY LLC, US
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[54] **CHARACTERIZING AN OPTICAL ELEMENT**
[54] **CARACTERISATION D'UN ELEMENT OPTIQUE**
[72] SCHULTZ, JONATHAN C., US
[72] LATHROP, BRITTANY, US
[72] AHMAD, FAISAL R., US
[71] QUANTUM-SI INCORPORATED, US
[85] 2020-10-28
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[54] **METHODS AND SYSTEMS FOR SELECTION AND TREATMENT OF PATIENTS WITH INFLAMMATORY DISEASES**
[54] **PROCEDES ET SYSTEMES DE SELECTION ET DE TRAITEMENT DE PATIENTS SOUFFRANT DE MALADIES INFLAMMATOIRES**
[72] BILSBOROUGH, JANINE, US
[72] MCGOVERN, DERMOT P., US
[72] TARGAN, STEPHAN, US
[72] POTDAR, ALKA, US
[72] WATKINS, JEFFRY D., US
[72] DICKERSON, CINDY T., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[71] PROMETHEUS BIOSCIENCES, INC., US
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[54] **ROTARY TO LINEAR TORQUE TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSMISSION DE COUPLE ROTATIF- LINEAIRE**
[72] KLIBER, ANTHONY WILL, US
[72] KLAEHN, ISAAC KENNETH, US
[72] BERGE, DANIEL ROBERT, US
[71] NEXEN GROUP, INC., US
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[86] 2019-04-29 (PCT/US2019/029556)
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[54] **NOVEL INTERLEUKIN-2 AND USE THEREOF**
[54] **NOUVELLE INTERLEUKINE 2 ET SON UTILISATION**
[72] KANG, LISHAN, CN
[72] FU, FENGGEN, CN
[72] ZHOU, SHUAIXIANG, CN
[72] SHI, XINZHEN, CN
[72] LIU, JUNJIAN, CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
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[54] **INDEXING AND RECOVERING ENCODED BLOCKCHAIN DATA**
[54] **INDEXATION ET RECUPERATION DE DONNEES DE CHAINE DE BLOCS CODEES**
[72] ZHUO, HAIZHEN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. H04L 29/06 (2006.01)**
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[54] **IMPLEMENTING A BLOCKCHAIN-BASED WEB SERVICE**
[54] **MISE EN □UVRE D'UN SERVICE WEB REPOSANT SUR UNE CHAINE DE BLOCS**
[72] FENG, ZHIYUAN, CN
[72] LI, YANPENG, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE FOR PERMISSIONED BLOCKCHAIN NETWORK**
[54] **STOCKAGE DE DONNEES DE CHAINE DE BLOCS SUR LA BASE D'UN CODE DE CORRECTION D'ERREUR POUR UN RESEAU DE CHAINE DE BLOCS AUTORISE**
[72] ZHUO, HAIZHEN, CN
[72] LU, ZHONGHAO, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **ASYNCHRONOUS PROCESSING OF BLOCKCHAIN BLOCKS**
[54] **TRAITEMENT ASYNCHRONE DE BLOCS DE CHAINE DE BLOCS**
[72] WANG, JIYUAN, CN
[72] YAN, XUEBING, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **PERFORMING MAP ITERATIONS IN BLOCKCHAIN-BASED SYSTEM**
[54] **REALISATION D'ITERATIONS DE CARTE DANS UN SYSTEME A CHAINE DE BLOCS**
[72] HE, JIAHUA, CN
[72] YU, BENQUAN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. G06T 7/00 (2017.01) G06T 5/00 (2006.01)**
[25] FR
[54] **METHOD OF DETECTING AND QUANTIFYING BLUR IN A DIGITAL IMAGE**
[54] **METHODE DE DETECTION ET DE QUANTIFICATION DU FLOU DANS UNE IMAGE NUMERIQUE**
[72] AMEISEN, DAVID, FR
[72] AMEISEN, EMMANUEL, US
[71] IMGINIT, FR
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[25] EN
[54] **METHOD FOR MAKING AN ARTISANAL LOOKING PIZZA DOUGH CRUST**
[54] **PROCEDE DE FABRICATION DE CROUTE DE PATE A PIZZA D'ASPECT ARTISANAL**
[72] PRINS, TIMOTHY GEORGE, US
[72] ESPOSITO, GIUSEPPE, IT
[72] SROAN, BANINDER SINGH, US
[72] BILOTTI, BRUNELLO, IT
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **POLE HANDLE AND POLE COMPRISING SAID POLE HANDLE**
[54] **POIGNEE DE BATON ET BATON EQUIPE DE CETTE DERNIERE**
[72] HEIM, EBERHARD, DE
[72] BOING, TOBIAS, DE
[72] VOCELKA, JAN, CZ
[71] LEKISPORT AG, CH
[85] 2020-10-29
[86] 2019-04-23 (PCT/EP2019/060341)
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[54] **METHOD FOR XENO-FREE GENERATION OF A POPULATION OF HMPC**
[54] **PROCEDE DE GENERATION SANS XENO D'UNE POPULATION DE HMPC**
[72] EBERLI, DANIEL, CH
[72] MOHR, DEANA, CH
[72] SALEMI, SOUZAN, CH
[72] ZOURAQ, FAHD AZZABI, CH
[71] UNIVERSITAT ZURICH, CH
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[54] **MANIPULATION DES BOISSONS**
[72] BYUN, DA MI, CH
[72] GUYON, BERTRAND, FR
[72] PIVRNEC, MICHAL, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[25] EN
[54] **A GOLD(III) COMPLEX, A CONJUGATE OF THE GOLD(III) COMPLEX, A PHARMACEUTICAL COMPOSITION COMPRISING THE GOLD(III) COMPLEX AND USES AND A PROCESS FOR PREPARING THE GOLD(III) COMPLEX**
[54] **COMPLEXE OR(III), CONJUGUE DU COMPLEXE OR(III), COMPOSITION PHARMACEUTIQUE COMPRENANT LE COMPLEXE OR(III), UTILISATIONS ET PROCEDE DE PREPARATION DU COMPLEXE OR(III)**
[72] SOTO GONZALEZ, SARA MARIA, ES
[72] RATIA LONCAN, CARLOS, ES
[72] CEPAS LOPEZ, VIRGINIO, ES
[72] LOPEZ CUBILLOS, YULY, ES
[72] LOPEZ ORTIZ, FERNANDO, ES
[72] IGLESIAS VALDES-SOLIS, MARIA JOSE, ES
[72] GONZALEZ SOENGAS, RAQUEL MARIA, ES
[71] UNIVERSIDAD DE ALMERIA, ES
[71] FUNDACION PRIVADA INSTITUTO DE SALUD GLOBAL BARCELONA, ES
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[25] EN
[54] **SYSTEM FOR ANALYSING QUANTITATIVE LATERAL FLOW CHROMATOGRAPHY**
[54] **SYSTEME D'ANALYSE PAR IMMUNOCHROMATOGRAPHIE SUR MEMBRANE QUANTITATIVE**
[72] ARMBRUSTER, FRANZ PAUL, DE
[72] WALZER, FELIX, DE
[72] JOHN, BEN, DE
[71] IMMUNDIAGNOSTIK AG, DE
[85] 2020-10-29
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[25] EN
[54] **EVALUATION OF HYDROLYZED ALLERGEN PREPARATIONS**
[54] **EVALUATION DE PREPARATIONS D'ALLERGENES HYDROLYSEES**
[72] PAQUES, CECILE, BE
[72] LEGON, THIERRY, BE
[72] PIROTTON, SABINE, BE
[72] BOVY, NICOLAS, BE
[71] ASIT BIOTECH SA, BE
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[86] 2019-04-30 (PCT/EP2019/061126)
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[25] EN
[54] **FORMULATION**
[54] **FORMULATION**
[72] ALHADEFF, PAUL, SE
[72] JOHANSSON, CHRISTINE DIETERICH, SE
[72] ZERHOUNI, PETER, SE
[72] TIAN, WEI, GB
[72] JOHNSTON, GRAEME WILLIAM ANDREW HAMILTON, GB
[71] INDEX PHARMACEUTICALS AB, SE
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[25] EN
[54] **STEAM REFORMING HEATED BY RESISTANCE HEATING**
[54] **REFORMAGE A LA VAPEUR CHAUFFE PAR CHAUFFAGE PAR RESISTANCE**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] KLEIN, ROBERT, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-10-29
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[51] **Int.Cl. A47J 31/40 (2006.01) A47J 42/50 (2006.01)**
[25] EN
[54] **DISPENSER OF BULK MATERIAL**
[54] **DISTRIBUTEUR DE MATERIAU EN VRAC**
[72] MOREND, JOEL, CH
[72] YANG, LIN, CN
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-10-29
[86] 2019-05-15 (PCT/EP2019/062435)
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[51] **Int.Cl. B61F 5/52 (2006.01)**
[25] EN
[54] **RUNNING GEAR FRAME FOR A RAIL VEHICLE**
[54] **CHASSIS DE TRAIN ROULANT POUR UN VEHICULE FERROVIAIRE**
[72] BIEKER, GUIDO, DE
[72] RACZKO, ADRIAN, DE
[72] BOTTCHER, PAUL, DE
[71] BOMBARDIER TRANSPORTATION GMBH, DE
[85] 2020-10-29
[86] 2019-05-21 (PCT/EP2019/063081)
[87] (WO2019/224191)
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[51] **Int.Cl. A23C 9/12 (2006.01) A23C 19/00 (2006.01) A23C 19/05 (2006.01)**
[25] EN
[54] **USE OF HEXOSE OXIDASE AND/OR CELLOBIOSE OXIDASE FOR REDUCTION OF MAILLARD REACTION**
[54] **UTILISATION D'HEXOSE OXYDASE ET/OU DE CELLOBIOSE OXYDASE POUR LA REDUCTION DE LA REACTION DE MAILLARD**
[72] LUND, MARTIN, DK
[72] NIKOLAJSEN, CAMILLA LUND, DK
[72] VAN DEN BRINK, JOHANNES MAARTEN, DK
[71] CHR. HANSEN A/S, DK
[85] 2020-10-29
[86] 2019-05-23 (PCT/EP2019/063291)
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[30] EP (18173976.4) 2018-05-24

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[51] **Int.Cl. C10G 3/00 (2006.01) C07C 51/00 (2006.01) C10G 1/06 (2006.01) C10G 9/36 (2006.01) C10G 31/06 (2006.01) C10G 45/58 (2006.01) C10G 47/00 (2006.01) C10G 69/06 (2006.01) C11C 1/04 (2006.01) C11C 1/08 (2006.01) C11C 3/12 (2006.01)**
[25] EN
[54] **HYDRODYNAMIC CAVITATION PROCESS TO PROTECT CATALYTIC PROCESSES USED TO DEOXYGENATE COMPLEX MIXTURES OF NATURAL OCCURRING FATS & OILS INTO OXYGEN-FREE HYDROCARBONS**
[54] **PROCEDE DE CAVITATION HYDRODYNAMIQUE POUR PROTEGER DES PROCESSUS CATALYTIQUES UTILISES POUR DESOXYGENER DES MELANGES COMPLEXES DE GRAISSES ET D'HUILES NATURELLES EN HYDROCARBURESEXEMPTS D'OXYGENE**
[72] VERMEIREN, WALTER, BE
[72] ADAM, CINDY, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2020-10-29
[86] 2019-05-28 (PCT/EP2019/063752)
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[30] EP (18175266.8) 2018-05-30

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[51] **Int.Cl. C08G 59/40 (2006.01) C08G 18/00 (2006.01) C08G 59/24 (2006.01) C08G 59/72 (2006.01)**
[25] EN
[54] **ACCELERATOR COMPOSITION FOR THE CURE OF POLYFUNCTIONAL ISOCYANATES WITH EPOXY RESINS**
[54] **COMPOSITION D'ACCELERATEUR POUR LE DURCISSEMENT D'ISOCYANATES POLYFONCTIONNELS AVEC DES RESINES EPOXY**
[72] STORZ, CHRISTOF, CH
[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH
[85] 2020-10-29
[86] 2019-05-13 (PCT/EP2019/062208)
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[25] EN
[54] **PROCESS FOR HYDROTREATING A DIESEL FUEL FEEDSTOCK WITH A FEEDSTOCK OF NATURAL OCCURRING OIL(S), HYDROTREATING UNIT FOR THE IMPLEMENTATION OF THE SAID PROCESS, AND CORRESPONDING HYDROREFINING UNIT**
[54] **PROCEDE D'HYDROTRAITEMENT D'UNE CHARGE DE CARBURANT DIESEL AVEC UNE CHARGE D'HUILE NATURELLE (S), UNITE D'HYDROTRAITEMENT POUR LA MISE EN OEUVREDUDIT PROCEDE, ET UNITE D'HYDRORAFFINAGE CORRESPONDANTE**
[72] VERMEIREN, WALTER, BE
[72] ADAM, CINDY, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2020-10-29
[86] 2019-05-28 (PCT/EP2019/063756)
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[30] EP (18175267.6) 2018-05-30

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[51] **Int.Cl. G01S 19/21 (2010.01) G01S 19/30 (2010.01) H01Q 3/30 (2006.01) H04B 7/08 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO BEAM ALIGNMENT FOR ELECTRONICALLY STEERED ANTENNAE SYSTEMS**
[54] **AMELIORATIONS APPORTEES OU SE RAPPORTANT A L'ALIGNEMENT DE FAISCEAU POUR DES SYSTEMES D'ANTENNES A ORIENTATION ELECTRONIQUE**
[72] SZCZEPANIK, JOHN-PAUL, GB
[72] SCHRYBER, PHILIP, GB
[72] MAYO, RICHARD HAMMOND, GB
[71] HANWHA PHASOR LTD., GB
[85] 2020-10-29
[86] 2019-05-03 (PCT/GB2019/051238)
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[30] GB (1807538.2) 2018-05-09

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[51] **Int.Cl. B01D 3/00 (2006.01) B01D 1/26 (2006.01) B01D 3/14 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR DEHYDRATING A PRODUCT STREAM IN ETHANOL PRODUCTION WITH MOLECULAR SIEVE AND MEMBRANES**
[54] **PROCEDE ET SYSTEME DE DESHYDRATATION D'UN FLUX DE PRODUIT DANS LA PRODUCTION D'ETHANOL A L'AIDE D'UN TAMIS MOLECULAIRE ET DE MEMBRANES**
[72] ANDRADE, VIRGINIA, GB
[72] ZHOU, JIN MING, GB
[72] BLUM, STEPHAN RUDIGER, GB
[71] WHITEFOX TECHNOLOGIES LIMITED, GB
[85] 2020-10-29
[86] 2019-05-07 (PCT/IB2019/000546)
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[30] US (62/667,933) 2018-05-07

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SAFETY AND FILLING SYSTEM FOR RETRACTABLE NEEDLES SYRINGES**
[54] **SYSTEME DE SECURITE ET DE REMPLISSAGE POUR SERINGUES A AIGUILLES RETRACTABLES**
[72] CARTIERE, CARMELO RAFFAELE, IT
[72] PROFITI, GIUSEPPE, IT
[72] VALLES, ROSARIO, IT
[72] MAURO, PANTALEO, IT
[71] P & P PATENTS AND TECHNOLOGIES S.R.L., IT
[85] 2020-10-28
[86] 2019-05-16 (PCT/IT2019/050103)
[87] (WO2019/224850)
[30] IT (102018000005604) 2018-05-22

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[13] A1
[51] **Int.Cl. C23C 2/00 (2006.01) C23C 2/06 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **METHOD FOR DIP-COATING A METAL STRIP**
[54] **PROCEDE DE DEPOT DE REVETEMENT PAR IMMERSION SUR UNE BANDE METALLIQUE**
[72] GARCIA MARTINO, ANGEL, ES
[72] GARCIA-CHAPA, INOCENCIO, ES
[71] ARCELORMITTAL, LU
[85] 2020-10-29
[86] 2019-04-03 (PCT/IB2019/052732)
[87] (WO2019/224617)
[30] IB (PCT/IB2018/053726) 2018-05-25

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[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **THREADED LOCKING STRUCTURES FOR AFFIXING BONE ANCHORS TO A BONE PLATE**
[54] **STRUCTURES DE VERROUILLAGE FILETEES POUR FIXER DES ANCRAGES OSSEUX A UNE PLAQUE OSSEUSE**
[72] BOSSHARD, SIMON M., CH
[72] ROCCI, MIRKO, CH
[72] MCGURK, MICHAEL, US
[72] DUDE, STEFAN, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-10-29
[86] 2019-04-10 (PCT/IB2019/052952)
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[30] US (15/966,047) 2018-04-30

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[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/02 (2006.01) A61K 8/36 (2006.01) A61K 8/37 (2006.01) A61K 8/81 (2006.01) A61Q 5/02 (2006.01) A61Q 19/00 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **CLEANSING COMPOSITIONS**
[54] **COMPOSITIONS NETTOYANTES**
[72] FIGUEROA, JASMIN, US
[72] JOHNSON, DIANA, US
[72] MARTINEZ, MARCEE, US
[72] EDOUARD, FARAHDIA, US
[72] BIDAYE, ABHIJIT, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2020-10-29
[86] 2019-05-03 (PCT/IB2019/053635)
[87] (WO2019/211804)
[30] US (62/667,019) 2018-05-04

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[13] A1
[51] **Int.Cl. G06F 16/14 (2019.01) G06Q 50/18 (2012.01) G06Q 50/20 (2012.01) G06F 16/20 (2019.01) G06F 16/332 (2019.01) G06F 16/338 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A CONTEXTUALLY AND CONVERSATIONALLY CORRECT RESPONSE TO A QUERY**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GENERER UNE REPONSE A UNE DEMANDE CORRECTE SUR LE PLAN CONTEXTUEL ET CONVERSATIONNEL**
[72] CUSTIS, TONYA, US
[72] SURPRENANT, MATTHEW A., US
[72] LINDBERG, ERIK, US
[72] MCELVAIN, GAYLE, US
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2020-10-29
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[87] (WO2019/211817)
[30] US (62/666,281) 2018-05-03
[30] US (16/402,100) 2019-05-02

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[13] A1
[51] **Int.Cl. B31B 70/64 (2017.01) B65D 30/20 (2006.01)**
[25] EN
[54] **METHOD AND MACHINE FOR MAKING FLEXIBLE PACKAGES WITH SIDE GUSSETS**
[54] **PROCEDE ET MACHINE POUR FABRIQUER DES EMBALLAGES SOUPLES AYANT DES SOUFFLETS LATERAUX**
[72] RAPPARINI, GINO, IT
[72] CRESCIMBENI, PIETRO, IT
[71] ICA S.P.A., IT
[85] 2020-10-29
[86] 2019-05-07 (PCT/IB2019/053734)
[87] (WO2019/215612)
[30] IT (102018000005111) 2018-05-07

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/00 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **ANTI-FAMILY WITH SEQUENCE SIMILARITY 19, MEMBER A5 ANTIBODIES AND METHOD OF USE THEREOF**
[54] **ANTICORPS ANTI-FAMILLE A SIMILARITE DE SEQUENCE 19, MEMBRE A5, ET LEUR PROCEDE D'UTILISATION**
[72] KIM, BONGCHEOL, KR
[72] KIM, WONKYUM, KR
[72] YOON, JEONGWON, KR
[72] CHUNG, JUNHO, KR
[72] JIN, JUNYEONG, KR
[72] YOU, EUNHWOI, KR
[71] NEURACLE SCIENCE CO., LTD., KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[85] 2020-10-29
[86] 2019-05-10 (PCT/IB2019/053895)
[87] (WO2019/215702)
[30] US (62/669,648) 2018-05-10
[30] US (62/838,187) 2019-04-24

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[13] A1
[51] **Int.Cl. B65D 30/20 (2006.01) B31B 70/00 (2017.01) B31B 70/26 (2017.01)**
[25] EN
[54] **PRODUCTION OF AIRTIGHT PACKAGES WITH SIDE GUSSETS**
[54] **PRODUCTION D'EMBALLAGES ETANCHES A L'AIR AVEC SOUFFLETS LATERAUX**
[72] RAPPARINI, GINO, IT
[72] CRESCIMBENI, PIETRO, IT
[71] ICA S.P.A., IT
[85] 2020-10-29
[86] 2019-05-07 (PCT/IB2019/053738)
[87] (WO2019/215615)
[30] IT (102018000005107) 2018-05-07

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 25/02 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS (AAV) DELIVERY OF ANTI-FAM19A5 ANTIBODIES**
[54] **ADMINISTRATION DE VIRUS ADENO-ASSOCIE (AAV) D'ANTICORPS ANTI-FAM19A5**
[72] KIM, JONG-MOOK, KR
[72] KIM, DONG SIK, KR
[72] SHIM, JUWON, KR
[72] KWON, SOON-GU, KR
[71] NEURACLE SCIENCE CO., LTD., KR
[71] NEURACLE GENETICS, KR
[85] 2020-10-29
[86] 2019-05-08 (PCT/IB2019/053791)
[87] (WO2019/215644)
[30] US (62/668,634) 2018-05-08

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[51] **Int.Cl. B22F 3/10 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B22F 1/00 (2006.01) B22F 3/24 (2006.01)**
[25] EN
[54] **BINDER JETTING AND SUPERSOLIDUS SINTERING OF FERROUS POWDER METAL COMPONENTS**
[54] **PROJECTION DE LIANT ET FRITTAGE SUPERSOLIDUS DE CONSTITUANTS METALLIQUES FERREUX EN POUDRE**
[72] SHIVANATH, ROHITH, CA
[72] SHEN, PENG, CA
[72] WILLIAMS, VINCENT, CA
[71] STACKPOLE INTERNATIONAL POWDER METAL ULC, CA
[85] 2020-10-29
[86] 2019-05-09 (PCT/IB2019/053831)
[87] (WO2019/215664)
[30] US (62/669,450) 2018-05-10

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[51] **Int.Cl. C02F 9/02 (2006.01) C02F 1/00 (2006.01) C02F 1/32 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HULL WASTEWATER REMEDIATION**
[54] **SYSTEMES ET PROCEDES DE REMEDIATION D'EAUX RESIDUAIRES DE COQUE**
[72] BILLINGS, JOHN, CA
[71] SINKU WATER SERVICES CORP., CA
[85] 2020-10-23
[86] 2019-04-23 (PCT/CA2019/050496)
[87] (WO2019/204909)
[30] US (62/661,371) 2018-04-23

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[13] A1
[51] **Int.Cl. B29C 45/14 (2006.01) B29C 31/00 (2006.01)**
[25] EN
[54] **SUPPORT TEMPLATE FOR MOULDS FOR SPORTS HELMETS, IN PARTICULAR CYCLING HELMETS AND MOULDING PROCESS OF A SPORTS HELMET, IN PARTICULAR A CYCLING HELMET**
[54] **MATRICE DE SUPPORT POUR MOULES POUR CASQUES DE SPORT, EN PARTICULIER POUR CASQUES DE CYCLISME ET PROCEDE DE MOULAGE D'UN CASQUE DE SPORT, EN PARTICULIER D'UN CASQUE DE CYCLISME**
[72] GOTTI, ANGELO, IT
[71] KASK S.P.A., IT
[85] 2020-10-29
[86] 2019-07-22 (PCT/IB2019/056235)
[87] (WO2020/021429)
[30] IT (102018000007587) 2018-07-27

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[13] A1
[51] **Int.Cl. B01D 67/00 (2006.01) B01D 53/22 (2006.01) B01D 69/08 (2006.01) B01D 69/10 (2006.01) B01D 69/12 (2006.01) B01D 69/14 (2006.01) B01D 71/38 (2006.01) B01D 71/40 (2006.01) B01D 71/78 (2006.01)**
[25] EN
[54] **HYBRID POLYMER MEMBRANE**
[54] **MEMBRANE A POLYMERES HYBRIDES**
[72] SANDRU, MARIUS, NO
[72] SANDRU, EUGENIA MARIANA, NO
[72] STENSTAD, PER MARTIN, NO
[71] SINTEF TTO AS, NO
[85] 2020-10-29
[86] 2019-04-30 (PCT/NO2019/050097)
[87] (WO2019/212359)
[30] NO (20180621) 2018-04-30

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[13] A1
[51] **Int.Cl. B32B 23/14 (2006.01) C08J 7/04 (2020.01) C08L 1/00 (2006.01) C08L 101/02 (2006.01)**
[25] EN
[54] **NANOCELLULOSE-CONTAINING PRODUCT AND METHOD FOR PRODUCING THE SAME**
[54] **ARTICLE MOULE CONTENANT UNE NANOCELLULOSE ET SON PROCEDE DE PRODUCTION**
[72] KINOSHITA, YUUKI, JP
[72] NAGAHAMA, HIDEAKI, JP
[72] YAMADA, TOSHIKI, JP
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2020-10-29
[86] 2019-04-26 (PCT/JP2019/017939)
[87] (WO2019/212044)
[30] JP (2018-088839) 2018-05-02

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[51] **Int.Cl. C07K 7/08 (2006.01) A61K 39/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **EPITOPE OF REGULATORY T CELL SURFACE ANTIGEN AND ANTIBODY SPECIFICALLY BINDING THERETO**
[54] **EPITOPE D'ANTIGENE DE SURFACE DE LYMPHOCYTE T REGULATEUR ET ANTICORPS SE LIANT DE MANIERE SPECIFIQUE A CELUI-CI**
[72] KIM, JUNG HO, KR
[72] KIM, BEOM SEOK, KR
[71] GOOD T CELLS, INC., KR
[85] 2020-10-29
[86] 2019-05-09 (PCT/KR2019/005592)
[87] (WO2019/216675)
[30] KR (10-2018-0053052) 2018-05-09

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[54] **DISPOSITIF DE FENETRE RESISTANT A L'EXPLOSION ET STRUCTURE POURVUE D'UN TEL DISPOSITIF DE FENETRE**
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[71] KEEP THE COMPANY AB, SE
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[54] **FERMENTEUR DE YAOURT ET PROCEDE DE COMMANDE AUTOMATIQUE DE LA TEMPERATURE D'UN FERMENTEUR DE YAOURT**
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[71] EASY YOGURT CO., LTD., KR
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[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**
[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**
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[72] LEE, SOON OK, KR
[72] KWON, YOUNG JIN, KR
[72] YUN, JEE HUN, KR
[72] CHO, NAM CHUL, KR
[72] LEE, JI EUN, KR
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[54] **PROCESS FOR THE DESULPHURIZATION OF MATERIALS AND/OR RESIDUES CONTAINING LEAD SULPHATE EMPLOYING AN AMINO COMPOUND**
[54] **PROCEDE DE DESULFURATION DE MATIERES ET/OU DE RESIDUS CONTENANT DU SULFATE DE PLOMB A L'AIDE D'UN COMPOSE AMINE**
[72] LA SALA, GIORGIO, IT
[72] SCURA, FRANCESCO, IT
[72] FUSILLO, GIANLUCA, IT
[71] STC S.R.L. SCIENCE TECHNOLOGY &CONSULTING, IT
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[54] **SERVOMOTEUR INTELLIGENT ET ACTIONNEUR MONTE UTILISANT UNE PLURALITE DE SERVOMOTEURS INTELLIGENTS**
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[71] ROBOTSHOP JAPAN CO., LTD., JP
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[54] **TAPE FOR MOTOR VEHICLE WIPERS**
[54] **RACLETTE DE BALAI D'ESSUIE-GLACE DE MOYEN DE TRANSPORT**
[72] HIRSEKORN, ARTUR ALEKSEYEVICH, RU
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[54] **DEFORMABLE SUTURE BRIDGE HAVING AN INSERT AND METHODS OF MANUFACTURING AND USING SAME**
[54] **PONT DE SUTURE DEFORMABLE AYANT UN INSERT ET PROCEDES DE FABRICATION ET D'UTILISATION DE CE DERNIER**
[72] LEAR, WILLIAM, US
[72] LADIZINSKY, DANIEL, US
[72] AKEROYD, JENNIFER, US
[71] SUTUREGARD MEDICAL INC., US
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[54] **SYSTEME DE PRODUCTION D'ENERGIE ELECTRIQUE**
[72] NAGASHIMA, KAZUHIKO, JP
[71] NAGASHIMA, KAZUHIKO, JP
[85] 2020-10-29
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[54] **TECHNOLOGIE D'AVATAR CONNECTE**
[72] WESTON, DENISE CHAPMAN, US
[71] INFINITE KINGDOMS LLC, US
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[54] **COMPACT MOTOR-DRIVEN INSULATED ELECTROSTATIC PARTICLE ACCELERATOR**
[54] **ACCELERATEUR DE PARTICULES ELECTROSTATIQUES ISOLE ENTRAINE PAR UN MOTEUR COMPACT**
[72] PARK, WILLIAM H., JR., US
[72] SMICK, THEODORE H., US
[72] RYDING, GEOFFREY, US
[72] HORNER, RONALD, US
[71] NEUTRON THERAPEUTICS, INC., US
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[54] **KEY MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE CLES**
[72] RUDZITIS, ALEKSANDRS J., US
[72] PISHARODY, SREEKUMAR MUKUNDAN, US
[72] BEER, JOHN KENNETH, US
[72] FARLEY, BENJAMIN TILLMAN, US
[71] AMAZON TECHNOLOGIES, INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR ENRICHING MODELING TOOLS AND INFRASTRUCTURE WITH SEMANTICS**
[54] **SYSTEMES ET PROCEDES POUR ENRICHIR DES OUTILS DE MODELISATION ET UNE INFRASTRUCTURE DE MODELISATION EN ELEMENTS SEMANTIQUES**
[72] MERRILL, DOUGLAS C., US
[72] DONIGIAN, ARMEN AVEDIS, US
[72] DVIR, ERAN, US
[72] KAMKAR, SEAN JAVAD, US
[72] KRIMNGER, EVAN GEORGE, US
[72] RAJIV, VISHWAESH, US
[72] RUBERRY, MICHAEL EDWARD, US
[72] SAYIN, OZAN, US
[72] YACHEN, YAN, US
[72] WILCOX, DEREK, US
[72] CANDIDO, JOHN, US
[72] SOLECKI, BENJAMIN ANTHONY, US
[72] HE, JIAHUAN, US
[72] BUDZIK, JEROME LOUIS, US
[72] HARTMAN, MICHAEL, US
[72] BEAHAN, JOHN J., JR., US
[72] MERRILL, JOHN WICKENS LAMB, US
[72] ALIZADEH, ESFANDIAR, US
[72] LI, LIUBO, US
[72] VILLEGAS, CARLOS ALBERTA HUERTAS, US
[72] LI, FENG, US
[72] SINNOTT, RANDOLPH PAUL, JR., US
[71] ZESTFINANCE, INC., US
[85] 2020-10-29
[86] 2019-04-25 (PCT/US2019/029148)
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[54] **INTERACTIVE SCHEDULER AND MONITOR**
[54] **PLANIFICATEUR ET DISPOSITIF DE SURVEILLANCE INTERACTIFS**
[72] EADES, STEPHEN, CA
[72] BIGELOW, ROSS, CA
[72] WILSON, TRISTAN, CA
[72] FLYNN, WESLEY OWEN, CA
[71] ICAN INTERACTIVE INC., CA
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[54] **DRILLING FLUIDS AND USES THEREOF**
[54] **LIQUIDES DE FORAGE ET LEURS UTILISATIONS**
[72] MOSTOFI, MASOOD, AU
[72] SAMANI, FRANK, AU
[72] WANG, YIWEN, AU
[71] MINEX CRC LIMITED, AU
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[54] **ALARM LOG COMPRESSION METHOD, APPARATUS, AND SYSTEM, AND STORAGE MEDIUM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE COMPRESSION DE JOURNAUX D'ALERTES, ET SUPPORT DE STOCKAGE**
[72] SHI, JIYUAN, CN
[72] ZHANG, LIANG, CN
[72] LI, SHIHAO, CN
[72] BAO, DEWEI, CN
[72] LI, JIAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **OPERATING MODES USING A BRAKING SYSTEM FOR AN ALL TERRAIN VEHICLE**
[54] **MODES DE FONCTIONNEMENT UTILISANT UN SYSTEME DE FREINAGE POUR UN VEHICULE TOUT TERRAIN**
[72] SCHEUERELL, ALEX R., US
[72] GRAUS, JONATHON P., US
[72] BRADY, LOUIS J., US
[71] POLARIS INDUSTRIES INC., US
[85] 2020-10-29
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[72] RODGERS, TRAFTON D., US
[71] RODGERS, TRAFTON D., US
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[54] **EMULATION OF CLOUD COMPUTING SERVICE REGIONS**
[54] **EMULATION DE REGIONS DE SERVICE INFORMATIQUE EN NUAGE**
[72] LAIBSON, BENJAMIN WILLIAM, US
[71] LAIBSON, BENJAMIN WILLIAM, US
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[54] **COMPOSITIONS AND METHODS OF PHOSPHOLIPASE A2 RECEPTOR CHIMERIC AUTOANTIBODY RECEPTOR T CELLS**
[54] **COMPOSITIONS ET METHODES DE RECEPTEURS D'AUTO-ANTICORPS CHIMERIQUES ET PROCEDES AFFERENTS**
[72] GILL, SAAR, US
[72] HOGAN, JONATHAN, US
[72] PAYNE, AIMEE S., US
[72] WANG, BAOMEI, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **VALIDATION STRUCTURALE D'ACIDES DICARBOXYLIQUES A CHAINE TRES LONGUE**
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[71] LINCOLN MEMORIAL UNIVERSITY, US
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[54] **SYSTEMS AND METHODS FOR CONNECTING PRIVATE DEVICES TO PUBLIC DEVICES ACCORDING TO CONNECTION PARAMETERS**
[54] **SYSTEMES ET PROCEDES POUR CONNECTER DES DISPOSITIFS PRIVES A DES DISPOSITIFS PUBLICS SELON DES PARAMETRES DE CONNEXION**
[72] THOMAS, WILLIAM L., US
[71] ROVI GUIDES, INC., US
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[86] 2019-05-03 (PCT/US2019/030622)
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[54] **CAROTENOID COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE CAROTENOIDES ET LEURS UTILISATIONS**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR, MANDLA, US
[72] GENG, BOLIN, US
[72] XU, ZHENGHONG, US
[72] KHALIFA, KANIZ, US
[72] KIM, GWANGSEONG, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
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[54] **SYSTEMES ET PROCEDES DE PRODUCTION DU XENON-133**
[72] BARBOSA, LUIS ANTONIO M.M., NL
[72] GERRITSEN, SVEN V., NL
[72] SCHACKMANN, MARTINUS J.A., NL
[72] GRONLAND, PAUL A., NL
[72] HIERHOLZER, BRIAN, US
[71] CURIUM US LLC, US
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[54] **POLYMER FLAKE DEGASSING SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE DEGAZAGE DE FLOCONS DE POLYMERE**
[72] DOOLEY, KENNETH A., US
[72] LOWELL, JEFFREY S., US
[72] CURREN, JOSEPH A., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
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[54] **AAV-COMPATIBLE LAMININ-LINKER POLYMERIZATION PROTEINS**
[54] **PROTEINES DE POLYMERISATION DE LIEUR-LAMININE COMPATIBLES AVEC AAV**
[72] YURCHENCO, PETER D., US
[72] MCKEE, KAREN K., US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
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[54] **SURFACES GLISSANTES SUR DES SUBSTRATS COURANTS**
[72] WONG, TAK-SING, US
[72] WANG, JING, US
[72] BOSCHITSCH, BIRGITT, US
[71] THE PENN STATE RESEARCH FOUNDATION, US
[85] 2020-10-29
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[54] **MICROPARTICULES ET NANOPARTICULES AYANT DES CHARGES DE SURFACE NEGATIVES**
[72] WU, BIN, US
[71] PHOSPHOREX, INC., US
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[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/90 (2006.01)**
[25] EN
[54] **GENE THERAPY METHODS AND COMPOSITIONS USING AUXOTROPHIC REGULATABLE CELLS**
[54] **PROCEDES ET COMPOSITIONS DE THERAPIE GENIQUE UTILISANT DES CELLULES REGULABLES AUXOTROPHES**
[72] PATTERSON, JAMES, GB
[72] PORTEUS, MATTHEW, US
[72] WIEBKING, VOLKER, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] AUXOLYTIC LTD., GB
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[54] **EMBOLIC COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS EMBOLIQUES ET PROCEDES**
[72] SAWHNEY, AMARPREET S., US
[72] CLAESSON, HANS, US
[72] LAREAU, RAYMOND, US
[72] BILLINGS, DOUGLAS, US
[71] INCEPT, LLC, US
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[30] US (62/671,836) 2018-05-15

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[51] **Int.Cl. G16B 30/20 (2019.01) G16B 40/20 (2019.01) G16B 40/30 (2019.01)**
[25] EN
[54] **MACHINE LEARNING ENABLED BIOLOGICAL POLYMER ASSEMBLY**
[54] **ENSEMBLE POLYMERE BIOLOGIQUE ACTIVE PAR APPRENTISSAGE AUTOMATIQUE**
[72] CAO, MINH DUC, US
[71] QUANTUM-SI INCORPORATED, US
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[30] US (62/671,260) 2018-05-14
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[51] **Int.Cl. F23K 3/00 (2006.01)**
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[54] **PELLET HOPPER LINER**
[54] **REVETEMENT DE TREMIE A GRANULES**
[72] COLSTON, MICHAEL, US
[72] SLUDER, DANIEL, US
[72] HOANG, PHUONG, US
[71] TRAEGER PELLET GRILLS LLC, US
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[54] **ACCESSOIRE DE PROTECTION DESTINE A UN CASQUE**
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[71] GENTEX CORPORATION, US
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[54] **VISUALLY UNDISTORTED THIN FILM ELECTRONIC DEVICES**
[54] **DISPOSITIFS ELECTRONIQUES A FILM MINCE NON DEFORMES VISUELLEMENT**
[72] HAMMOND, SCOTT R., US
[72] VAN HEST, MARINUS FRANCISCUS ANTONIUS MARIA, US
[72] CONKLIN, JOHN A., US
[71] SOLARWINDOW TECHNOLOGIES, INC., US
[71] ALLIANCE FOR SUSTAINABLE ENERGY, LLC, US
[85] 2020-10-29
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[30] US (62/673,427) 2018-05-18

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[54] **CAPSULES A LIBERATION RAPIDE**
[72] LANGER, ROBERT S., US
[72] TRAVERSO, CARLO GIOVANNI, US
[72] ABRAMSON, ALEX G., US
[72] DELLAL, DAVID, US
[72] STEIGER, CHRISTOPH WINFRIED JOHANNES, US
[72] ROXHED, NICLAS, SE
[72] CAFFAREL SALVADOR, ESTER, US
[72] SOARES, VANCE, US
[72] MINAHAN, DANIEL, US
[72] FREDERIKSEN, MORTEN REVSGAARD, DK
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] NOVO NORDISK A/S, DE
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[54] **CASQUE ET SYSTEME DE COUPLAGE DE CASQUE**
[72] BARBER, ROSS FADE, US
[72] BRUTLER, ZOLTAN S., US
[72] BLUNDELL, MICHAEL PEARSON, US
[71] GENTEX CORPORATION, US
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[54] **FLUID COLLECTION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE FLUIDE**
[72] SWEENEY, LINDSAY ALISON, US
[71] PUREWICK CORPORATION, US
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[54] **MESSAGE CORRECTION AND DYNAMIC CORRECTION ADJUSTMENT FOR COMMUNICATION SYSTEMS**
[54] **CORRECTION DE MESSAGE ET AJUSTEMENT DE CORRECTION DYNAMIQUE POUR SYSTEMES DE COMMUNICATION**
[72] VAN WYK, HARTMAN, US
[72] PICARD, GILLES, US
[71] ITRON GLOBAL SARL, US
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[54] **INHIBITEURS DE KRAS G12C ET LEURS PROCEDES D'UTILISATION**
[72] BOOKER, SHON, US
[72] ALLEN, JOHN GORDON, US
[72] LANMAN, BRIAN ALAN, US
[72] WURZ, RYAN PAUL, US
[72] CHEN, NING, US
[72] CEE, VICTOR J., US
[72] LOPEZ, PATRICIA, US
[72] SIEGMUND, AARON C., US
[72] BARTBERGER, MICHAEL D., US
[71] AMGEN INC., US
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[54] **SYSTEM AND METHOD FOR CHEMICAL CONTAMINATION DETECTION AND DECONTAMINATION CERTIFICATION**
[54] **SYSTEME ET PROCEDE DE DETECTION DE CONTAMINATION CHIMIQUE ET DE CERTIFICATION DE DECONTAMINATION**
[72] LEFILES, JAMES, US
[72] BEELAND, CLINTON, US
[72] LEVIN, RON, US
[71] SALVUS, LLC, US
[85] 2020-10-29
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[54] **HIGH-DENSITY OPTICAL WAVEGUIDE STRUCTURE AND PRINTED CIRCUIT BOARD AND PREPARATION METHOD THEREOF**
[54] **STRUCTURE DE GUIDE D'ONDES OPTIQUES HAUTE DENSITE ET CARTE DE CIRCUIT IMPRIME ET SON PROCEDE DE PREPARATION**
[72] SHI, XINHONG, US
[72] FU, HAITAO, US
[72] ZHANG, JUN, US
[72] ZHOU, HUAMEI, US
[72] ZHU, LONGXIU, US
[72] IMMONEN, MARIKA, US
[71] TTM TECHNOLOGIES, INC., US
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[54] **COUNTER MOUNT FOAM DISPENSING SYSTEMS HAVING IMPROVED FOAM QUALITY**
[54] **SYSTEMES DE DISTRIBUTION DE MOUSSE DE COMPTOIR AYANT UNE QUALITE DE MOUSSE AMELIOREE**
[72] PROPER, SCOTT T., US
[72] CIAVARELLA, NICK E., US
[72] CORNEY, RICHARD E., US
[72] MOORE, MARK W., US
[71] GOJO INDUSTRIES, INC., US
[85] 2020-10-29
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[54] **ETRANGLEUR D'UN SYSTEME DE COMMANDE POUR L'EXTRACTION DE GAZ D'ENFOUISSEMENT**
[72] HALE, MIKE, US
[72] HALE, KEITH, US
[72] SIMS, MELINDA, US
[71] LOCI CONTROLS, INC., US
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[54] **REFLECTION REFUTING LASER SCANNER**
[54] **DISPOSITIF DE BALAYAGE LASER A REJET DE REFLEXIONS**
[72] LONSBERRY, ALEXANDER JAMES, US
[72] LONSBERRY, ANDREW GORDON, US
[71] PATH ROBOTICS, INC., US
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[54] **APPARATUS AND METHOD FOR CONTROLLING FLUID FLOW**
[54] **APPAREIL ET PROCEDE DE COMMANDE D'ECOULEMENT DE FLUIDE**
[72] GALEA, ANNA, US
[72] PARSE, JOSEPH BEUFORD, US
[72] STENGEL, KYLIE, US
[72] LEROY, KRISTEN, US
[72] DUONG, MINH, US
[72] WARNER, SAMUEL HARRINGTON, US
[72] KAMHOLZ, ANDREW EVAN, US
[72] JOHNSON, BRANDON, US
[71] UNITED THERAPEUTICS CORPORATION, US
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[54] **COMPOSITION REFRIGERANTE**
[72] MINOR, BARBARA HAVILAND, US
[72] PETROV, VIACHESLAV A., US
[71] THE CHEMOURS COMPANY FC, LLC, US
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[86] 2019-07-19 (PCT/US2019/042503)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR PARAFFIN LIQUEFACTION AND ENHANCED OIL RECOVERY IN OIL WELLS AND ASSOCIATED EQUIPMENT**
[54] **COMPOSITIONS ET PROCEDES DE LIQUEFACTION DE PARAFFINE ET DE RECUPERATION AMELIOREE DE PETROLE DANS DES PUITS DE PETROLE ET EQUIPEMENT ASSOCIE**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[72] NERRIS, ANTHONY, US
[72] DIXON, TYLER, US
[72] KARATHUR, KARTHIK N., US
[71] LOCUS OIL IP COMPANY, LLC, US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029870)
[87] (WO2019/213055)
[30] US (62/664,613) 2018-04-30
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[54] **SQUEEZE ACTIVATED BLOOD COLLECTION SET**
[54] **ENSEMBLE DE COLLECTE DE SANG ACTIVE PAR PRESSION**
[72] WILKINSON, BRADLEY M., US
[72] NEWBY, C. MARK, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029938)
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[25] EN
[54] **OXYGEN DETECTION SENSOR IN CLOTHING AND RELATED APPARATUS AND METHODS**
[54] **CAPTEUR DE DETECTION D'OXYGENE DANS UN VETEMENT ET APPAREIL ET PROCEDES ASSOCIES**
[72] WIESE, DANIEL, US
[72] ANDERSON, PAMELA, G., US
[72] BABINI, ALESSANDRO, US
[71] WHOOP, INC., US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029963)
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[54] **MULTIPLE ACTIVE NETWORK WIRELESS DEVICE**
[54] **DISPOSITIF DE RESEAU SANS FIL PLURIEL ACTIF**
[72] RICE, CHARLES, US
[72] FOGEL, CHRISTOPHER, US
[71] INTERMETRO COMMUNICATIONS, INC., US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029972)
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[30] US (62/665,103) 2018-05-01
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[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/915 (2013.01)**
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[54] **EXPANSION MEMBERS FOR IMPLANTABLE DEVICES AND ASSOCIATED SYSTEMS AND METHODS**
[54] **ELEMENTS D'EXPANSION POUR DISPOSITIFS IMPLANTABLES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] IRWIN, CRAIG W., US
[72] SILVERMAN, JAMES D., US
[72] SKELTON, TYSON J., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-10-29
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[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **LASER-BASED IMPLANT ALIGNMENT AND RESECTION GUIDE SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE GUIDAGE DE RESECTION ET D'ALIGNEMENT D'IMPLANT BASE SUR LASER ET PROCEDES ASSOCIES**
[72] BARMES, FRANK D., US
[72] LEE, DANIEL J., US
[72] LATT, LEONARD DANIEL, US
[71] PARAGON 28, INC., US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029978)
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[25] EN
[54] **METHOD FOR UPGRADING LOW-VALUE AND WASTE FATS, OILS, AND GREASES**
[54] **PROCEDE DE VALORISATION DE MATIERES GRASSES, HUILES ET GRAISSES DE FAIBLE VALEUR ET USAGEES**
[72] SLADE, DAVID A., US
[72] ABHARI, RAMIN, US
[72] HAVERLY, MARTIN, US
[71] REG SYNTHETIC FUELS, LLC, US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/030034)
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[54] **PALETTES DE COMPRESSION POUR BIOPSIES MAMMAIRES**
[72] THORNTON, CYNTHIA M., US
[72] HERMOSURA, ERNESTO R., US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[86] 2019-04-30 (PCT/US2019/030051)
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[54] **MATRICE DE CROISSANCE DE PLANTES**
[72] WASKO, CHRISTOPHER, US
[71] WASKO, CHRISTOPHER, US
[85] 2020-10-29
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[54] **FAUCHEUSE ROTATIVE HORIZONTALE A FLUX CROISES**
[72] ZERBARINI, RICHARD, US
[72] ZERBARINI, PAUL, US
[72] ZERBARINI, ROBERT, US
[72] JALBERT, DAVID, US
[71] HRM ENTERPRISES, INC., US
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[86] 2019-05-01 (PCT/US2019/030231)
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[30] US (62/665,131) 2018-05-01
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[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEM FOR GENERATING SHAREABLE USER INTERFACES USING PURCHASE HISTORY DATA**
[54] **SYSTEME DE GENERATION D'INTERFACES UTILISATEUR PARTAGEABLES A L'AIDE DE DONNEES D'HISTORIQUE D'ACHAT**
[72] HAAS, WALTER A., US
[72] KHAN, SHOAIB GHOUSE MOHIDEEN, US
[71] GIST TECHNOLOGY INC., US
[85] 2020-10-29
[86] 2019-05-01 (PCT/US2019/030270)
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[30] US (62/665,871) 2018-05-02
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[54] **COUVRE-CAISSE**
[72] HAWKINS, STEPHEN JOHN, US
[71] ABC TECHNOLOGIES INC., CA
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[30] US (62/665,943) 2018-05-02
[30] US (62/790,218) 2019-01-09

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[51] **Int.Cl. B01L 3/00 (2006.01)**
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[54] **VALVELESS FLUIDIC SWITCHING FLOWCHIP AND USES THEREOF**
[54] **PUCE D'ECOULEMENT DE COMMUTATION FLUIDIQUE SANS VALVE ET SES UTILISATIONS**
[72] CROMWELL, EVAN FRANCIS, US
[72] TOY, WILSON, US
[72] HALLER, LIRAN YOSEF, US
[72] HOXHA, ORI, US
[72] DUNSTONE, BRAXTON, US
[72] JIAO, HONG, US
[71] PROTEIN FLUIDICS, INC., US
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[51] **Int.Cl. B60P 1/00 (2006.01) B60P 1/02 (2006.01) B60P 1/43 (2006.01) B60P 1/44 (2006.01) B60P 1/64 (2006.01) B60P 9/00 (2006.01) B66F 7/06 (2006.01)**
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[54] **TRUCK LOADING SYSTEM**
[54] **SYSTEME DE CHARGEMENT DE CAMION**
[72] EIDSMORE, PAUL G., US
[71] MASTERHAUL LLC, US
[85] 2020-10-27
[86] 2019-04-30 (PCT/US2019/029949)
[87] (WO2019/213104)
[30] US (62/664,918) 2018-04-30

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[25] EN
[54] **COMPOSITIONS CONTAINING GLUFOSINATE SALT AND A SYNTHETIC AUXIN HERBICIDE SALT**
[54] **COMPOSITIONS CONTENANT UN SEL DE GLUFOSINATE ET UN SEL D'HERBICIDE A BASE D'AUXINE SYNTHETIQUE**
[72] TU, FUQUAN, US
[72] LI, MEI, US
[71] DOW AGROSCIENCES LLC, US
[85] 2020-10-29
[86] 2019-04-26 (PCT/US2019/029306)
[87] (WO2019/212888)
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[51] **Int.Cl. A61F 5/455 (2006.01)**
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[54] **DISPOSITIFS DE COLLECTE DE FLUIDE ET LEURS PROCEDES D'UTILISATION**
[72] ECKERT, KATHRYNE ROSE, US
[71] PUREWICK CORPORATION, US
[85] 2020-10-29
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[30] US (62/665,317) 2018-05-01

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[25] EN
[54] **A METHOD FOR OPTIMIZING ANTIBODY EXPRESSION**
[54] **PROCEDE D'OPTIMISATION DE L'EXPRESSION D'ANTICORPS**
[72] RASHID, HARUNUR, US
[72] SHIMAZU, MARK, US
[72] TIAN, FENG, US
[71] AMBRX, INC., US
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[54] **ORIFICE DE PRESSION POUR TRANSDUCTEUR ULTRASONORE SUR CAPTEUR CMOS**
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[72] LIU, JIANWEI, US
[72] YANG, JUNGWOOK, US
[72] LUTSKY, JOSEPH, US
[71] BUTTERFLY NETWORK, INC., US
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[54] **UTILISATION ET METHODES THERAPEUTIQUES**
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[71] ANTISENSE THERAPEUTICS LTD, AU
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[54] **APPARATUS AND METHOD FOR TREATING RADIOACTIVE EMISSION**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'EMISSION RADIOACTIVE**
[72] PAALVAST, PETER, AU
[72] SCHMIDT, JUERGEN, AU
[71] PASMR TECHNOLOGY A PTY LTD (FORMERLY KNOWN AS PASMR (AU) PTY LTD), AU
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[54] **DRINKING VESSEL AND VENTILATION MEMBERS**
[54] **RECIPIENT PERMETTANT DE BOIRE ET ELEMENTS DE VENTILATION**
[72] AMATOURY, SYLVAIN JACQUES, AU
[72] TJERNBERG, LISA CHARLOTTE EDLUND, AU
[71] B.BOX FOR KIDS DEVELOPMENTS P/L, AU
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[72] SALEM, DAVID R., US
[72] CHEN, CHUNHUI, US
[72] HUSSEIN, ABDULMENAN, US
[71] SOUTH DAKOTA BOARD OF REGENTS, US
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[54] **METHOD FOR MANUFACTURING AN ALUMINUM-COPPER-LITHIUM ALLOY HAVING IMPROVED COMPRESSIVE STRENGTH AND IMPROVED TOUGHNESS**
[54] **PROCEDE DE FABRICATION D'UN ALLIAGE ALUMINIUM CUIVRE LITHIUM A RESISTANCE EN COMPRESSION ET TENACITE AMELIOREES**
[72] MAS, FANNY, FR
[72] BARBIER, DAVID, FR
[72] JUGE, SAMUEL, FR
[72] DANIELOU, ARMELLE, FR
[72] POUGET, GAELLE, FR
[72] BAYONA-CARRILLO, NICOLAS, FR
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[54] **SYSTEME VIBROCINETIQUE MULTIPLATEFORME**
[72] MENARD, JEAN-FRANCOIS, CA
[72] DESAUTELS, ROBERT, CA
[72] ROY, PHILIPPE, CA
[71] D-BOX TECHNOLOGIES INC., CA
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[54] **PRIVACY CONTROLS FOR NETWORK DATA COMMUNICATIONS**
[54] **COMMANDES DE CONFIDENTIALITE DESTINEES A DES COMMUNICATIONS DE DONNEES DE RESEAU**
[72] SWEENY, NEIL TERRANCE, CA
[72] OSBORNE, ROBERT ANTHONY, CA
[71] KILLI INC., CA
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[54] **VISCOSITY-MODIFYING, DEMULSIFYING AND FLOW-IMPROVING COMPOSITION, METHOD FOR THE PRODUCTION THEREOF, USES OF SAME, AND METHOD FOR INCREASING PRODUCTION IN HEAVY AND EXTRA-HEAVY OIL WELLS**
[54] **COMPOSITION DE MODIFICATION DE VISCOSITE, DE DESEMULSIFICATION ET D'AMELIORATION DE FLUX, SON PROCEDE DE FABRICATION, SES UTILISATIONS ET PROCEDE POUR AUGMENTER LA PRODUCTION DANSDES PUITS DE PETROLE LOURD ET ULTRA-LOURD**
[72] PARRA MANTILLA, PEDRO, CO
[72] ROCHA MELLO, MARCIO, BR
[72] PIQUET CARNEIRO PESSOA DOS SANTOS, ALVARO, BR
[72] LOURENCO FERREIRA, MARCOS JOSE, BR
[71] FMT SERVICOS INDUSTRIA E COMERCIO LTDA, BR
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[54] **METHODS, APPARATUS AND SYSTEM FOR IDENTIFICATION VERIFICATION**
[54] **PROCEDES, APPAREIL ET SYSTEME DE VERIFICATION D'IDENTITE**
[72] FORRESTER, CHRIS, CA
[72] COWARD, KRISTOFER, CA
[72] WEINBERG, JOSEPH, CA
[72] NASSIRE, FREDRICO, CA
[72] AGUINACO, JUAN AJA, CA
[71] SHYFT NETWORK INC., BB
[71] FORRESTER, CHRIS, CA
[71] COWARD, KRISTOFER, CA
[71] WEINBERG, JOSEPH, CA
[71] NASSIRE, FREDRICO, CA
[71] AGUINACO, JUAN AJA, CA
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[54] **DEVELOPPEMENT DE GRANULES A MATRICE LIPIDIQUE AVEC INCORPORATION DE POLYSACCHARIDES POUR UNE ADMINISTRATION EFFICACE D'UNE HUILE ESSENTIELLE ANTIMICROBIENNE**
[72] YANG, CHENGBO, CA
[72] LIU, SONG, CA
[72] NYACHOTI, MARTIN, CA
[71] UNIVERSITY OF MANITOBA, CA
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[72] ZHANG, WANQIN, CN
[72] LI, YINTIAN, CN
[72] JI, XUEWEN, CN
[72] ZHAO, LIMEI, CN
[71] TAIAN CITY QIHANG BIOTECHNOLOGY CO., CN
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[54] **SYSTEM FOR EJECTING TIPS OF SAMPLING PIPETTES WITH IMPROVED ERGONOMICS**
[54] **SYSTEME D'EJECTION DE CONE A ERGONOMIE AMELIOREE POUR PIPETTE DE PRELEVEMENT**
[72] MALVOISIN, HERVE, FR
[71] GILSON SAS, FR
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[54] **TECHNIQUE DE REGULATION DE LA VOIE JAK-STAT POUR PERMETTRE LA DIFFERENCIATION, LA DEDIFFERENCIATION ET LA REGENERATION CELLULAIRES, ET APPLICATIONS DE LA TECHNIQUE**
[72] HU, MIN, CN
[72] LI, YANJIAO, CN
[72] HU, JUNYUAN, CN
[71] SHENZHEN ALPHA BIOPHARMACEUTICAL CO., LTD., CN
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[54] **PROBIOTIQUE POUR VOLAILLE OU RUMINANT**
[72] AUCLAIR, ERIC, FR
[72] JULIEN, CHRISTINE, FR
[72] MARDEN, JEAN-PHILIPPE, FR
[71] LESAFFRE ET COMPAGNIE, FR
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[54] **COMPOSITE MATERIAL COMPRISING A FIBROUS REINFORCEMENT AND A POLY(PHOSPHO-SIALATE) GEOPOLYMER MATRIX - ASSOCIATED MANUFACTURING METHOD**
[54] **MATERIAU COMPOSITE COMPORTANT UN RENFORT FIBREUX ET UNE MATRICE GEOPOLYMERIQUE DE TYPE POLY(PHOSPHO-SIALATE) - PROCEDE DE FABRICATION ASSOCIE**
[72] DAVIDOVICS, MICHEL, FR
[72] DAVIDOVITS, JOSEPH, FR
[72] BATUT-ROLLIN, MAGALI, FR
[71] PYROMERAL SYSTEMS, FR
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[54] **CRYSTAL FORMS OF THIOPHENE DERIVATIVES**
[54] **FORME CRISTALLINE DE DERIVE DE THIOPHENE**
[72] ZHANG, DONGLEI, CN
[72] WANG, LIYU, CN
[72] CHANG, YUKUN, CN
[71] TIANJIN HEMAY PHARMACEUTICAL SCI-TECH CO., LTD, CN
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[54] **SYSTEMES DE POMPE DE SERVICE DE PUITS ET PROCEDES ASSOCIES**
[72] MARTIN, ERIC, US
[72] GABLE, TOM, US
[72] SMITH, GARRETT, US
[72] BURNETT, SHELTON, US
[72] MEYER, LYLE, US
[71] AMERIFORGE GROUP INC., US
[71] MARTIN, ERIC, US
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[54] **ICE-REMOVAL TOOL FOR AN ICE-REMOVAL MACHINE, AND HAND-HELD ICE-REMOVAL MACHINE**
[54] **OUTIL DE DEGLACAGE POUR MACHINE DE DEGLACAGE ET MACHINE DE DEGLACAGE PORTATIVE**
[72] WANGLER, ANATOLI, DE
[72] WINTER, FELIX, DE
[72] BAUMHACKL, MARTIN, DE
[72] ZIEGLER, PHILIP, DE
[71] ALFRED KARCHER SE & CO. KG, DE
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[54] **NOVEL INTERLEUKIN-2 AND USE THEREOF**
[54] **NOUVELLE INTERLEUKINE 2 ET UTILISATION ASSOCIEE**
[72] KANG, LISHAN, CN
[72] GU, CHUNYIN, CN
[72] FU, FENGGEN, CN
[72] ZHOU, SHUAIXIANG, CN
[72] SHI, XINZHEN, CN
[72] LIU, JUNJIAN, CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
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[54] **CRYSTAL FORMS OF THIOPHENE DERIVATIVES**
[54] **FORME CRISTALLINE DE DERIVE DE THIOPHENE**
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[72] WANG, LIYU, CN
[72] LI, XINGWEN, CN
[71] TIANJIN HEMAY PHARMACEUTICAL SCI-TECH CO., LTD, CN
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[54] **DATA SECURITY OF SHARED BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE**
[54] **SECURITE DE DONNEES D'UN STOCKAGE DE DONNEES DE CHAINE DE BLOCS PARTAGEES SUR LA BASE D'UN CODE DE CORRECTION D'ERREURS**
[72] LU, ZHONGHAO, CN
[72] ZHUO, HAIZHEN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **SYSTEME D'ALERTE DE ROBOT AUTOMATISE**
[72] MORONITI, DAVID, US
[72] SWEET, NICHOLAS, US
[72] GREEN, MICAH ESTIS, US
[71] MAIDBOT, INC., US
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[25] EN
[54] **CONSENUS OF SHARED BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE**
[54] **CONSENSUS DE STOCKAGE DE DONNEES DE CHAINE DE BLOCS PARTAGEES SUR LA BASE D'UN CODE DE CORRECTION D'ERREURS**
[72] LU, ZHONGHAO, CN
[72] ZHUO, HAIZHEN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **SYSTEM AND METHOD FOR CONSENSUS MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION DE CONSENSUS**
[72] YANG, WENLONG, CN
[72] PENG, YUJUN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **DYNAMIC BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE**
[54] **STOCKAGE DE DONNEES DE CHAINE DE BLOCS DYNAMIQUE BASE SUR UN CODE CORRECTEUR D'ERREUR**
[72] ZHUO, HAIZHEN, CN
[72] LU, ZHONGHAO, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **PREPARATION METHOD FOR REJUVENATED REGENERATIVE FIBROBLAST AND APPLICATION THEREOF**
[54] **PROCEDE DE PREPARATION DE FIBROBLASTE REGENERATEUR REGENERE ET SON APPLICATION**
[72] HU, MIN, CN
[72] LI, YANJIAO, CN
[72] HU, JUNYUAN, CN
[71] SHENZHEN ALPHA BIOPHARMACEUTICAL CO. LTD., CN
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[25] EN
[54] **TAKING SNAPSHOTS OF BLOCKCHAIN DATA**
[54] **PRISE DE COPIES INSTANTANEES DE DONNEES DE CHAINE DE BLOCS**
[72] LU, ZHONGHAO, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **ACTIVATION OF PATTERN-TRIGGERED IMMUNITY IN PLANTS BY LIPOOLIGOSACCHARID-SPECIFIC REDUCED ELICITATION (LORE) AND VARIANTS THEREOF**
[54] **ACTIVATION D'IMMUNITE DECLENCHEE PAR DES MOTIFS DANS DES PLANTES PAR ELICITATION REDUITE SPECIFIQUE DE LIPOOLIGOSACCHARIDE (LORE) ET SES VARIANTS**
[72] RANF, STEFANIE, DE
[72] HUCKELHOVEN, RALPH, DE
[72] SCHAFFER, MILENA, DE
[72] KUTSCHERA, ALEXANDER, DE
[72] RAASCH, LARS, DE
[72] DAWID, CORINNA, DE
[72] HOFMANN, THOMAS, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
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[51] **Int.Cl. G06F 16/23 (2019.01)**
[25] EN
[54] **TAKING SNAPSHOTS OF BLOCKCHAIN DATA**
[54] **PRISE D'INSTANTANES DE DONNEES DE CHAINE DE BLOCS**
[72] LU, ZHONGHAO, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-10-30
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[54] **ELEMENT COULISSANT POUR COLONNES DE LEVAGE**
[72] RANDLOV, MICHAEL LINDEKILDE, DK
[71] LINAK A/S, DK
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[54] **PURIFICATION OF HIGH PERFORMANCE EPOXY RESINS VIA MEMBRANE FILTRATION TECHNOLOGY**
[54] **PURIFICATION DE RESINES EPOXY A HAUTE PERFORMANCE PAR L'INTERMEDIAIRE D'UNE TECHNOLOGIE DE FILTRATION SUR MEMBRANE**
[72] VAN RIJN, JIMMY, BE
[72] MEGGER, NICOLE, BE
[72] JOHANNSEN, IRIS, BE
[72] EICHHOLZ, SVEN, BE
[71] HEXION INC., US
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[54] **VALVE HOUSING ASSEMBLY**
[54] **ENSEMBLE LOGEMENT DE SOUPAPE**
[72] RENNER, THOMAS, DE
[71] HUSQVARNA AB, SE
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[54] **PARAMETER DETERMINING METHOD, MONITORING METHOD, AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE DETERMINATION DE PARAMETRES, PROCEDE DE SURVEILLANCE ET APPAREIL DE COMMUNICATION**
[72] XIAO, JIEHUA, CN
[72] PENG, JINLIN, CN
[72] WANG, TING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-10-30
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[54] **REVERSIBLE HEAT PUMP ASSEMBLY AND DISTRICT THERMAL ENERGY DISTRIBUTION SYSTEM COMPRISING SUCH A REVERSIBLE HEAT PUMP ASSEMBLY**
[54] **ENSEMBLE POMPE A CHALEUR REVERSIBLE ET SYSTEME DE DISTRIBUTION D'ENERGIE THERMIQUE URBAINE COMPRENANT UN TEL ENSEMBLE POMPE A CHALEUR REVERSIBLE**
[72] LINDOFF, BENGT, SE
[72] ROSEN, PER, SE
[72] SKOGSTROM, JACOB, SE
[71] E.ON SVERIGE AB, SE
[85] 2020-10-30
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[25] EN
[54] **FILM-WRAPPING APPARATUS**
[54] **DISPOSITIF D'EMBALLAGE DANS UNE FEUILLE**
[72] FRISCH, CLEMENS, AT
[71] SPRINGER MASCHINENFABRIK GMBH, AT
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[54] **APPARATUS FOR FLY MANAGEMENT**
[54] **APPAREIL DE LUTTE CONTRE LES MOUCHES**
[72] HAMAEKERS, VEERLE, DE
[72] TORUN, NAZIM, DE
[72] BERNS, GEORG, DE
[71] BAYER ANIMAL HEALTH GMBH, DE
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[54] **DYNAMIC D FLIP-FLOP, DATA OPERATION UNIT, CHIP, HASH BOARD AND COMPUTING DEVICE**
[54] **BASCULE DYNAMIQUE D, UNITE D'EXPLOITATION DE DONNEES, PUCE, TABLE DE HACHAGE ET DISPOSITIF INFORMATIQUE**
[72] LIU, JIEYAO, CN
[72] ZHANG, NANGENG, CN
[72] WU, JINGJIE, CN
[72] MA, SHENGHOU, CN
[71] CANAAN CREATIVE CO., LTD., CN
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[54] **INTERACTIVE AROMA DISPENSING SYSTEM**
[54] **SYSTEME INTERACTIF DE DISTRIBUTION D'AROMES**
[72] SIVAGAMINATHAN, RAHUL, US
[72] XU, YONG HUA, US
[72] KAISER, JOSEPH, US
[71] GIVAUDAN SA, CH
[85] 2020-10-30
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[54] **MULTIPLE GAS FLOW IONIZER**
[54] **IONISEUR A FLUX DE GAZ MULTIPLES**
[72] KAUSHAL, FRENNY, US
[72] JAVAHERY, GHOLAMREZA, US
[72] COUSINS, LISA, US
[72] JOLLIFFE, CHARLES, US
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
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[54] **AQUEOUS CAPSULE SUSPENSION CONCENTRATES CONTAINING A HERBICIDAL SAFENER AND A PESTICIDAL ACTIVE SUBSTANCE**
[54] **SUSPENSIONS DE CAPSULES CONCENTREES AQUEUSES RENFERMANT UN PHYTOPROTECTEUR ET UNE SUBSTANCE ACTIVE PESTICIDE**
[72] KRAUSE, JENS, DE
[72] ZANTER, STEFFEN, DE
[72] RATSCHINSKI, ARNO, DE
[72] WILDE, THOMAS, DE
[72] AULER, THOMAS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **COMBINATION OF SOLID-STATE RF TECHNOLOGY WITH ANOTHER HEAT TREATMENT FOR FOOD**
[54] **COMBINAISON DE TECHNOLOGIES RF A L'ETAT SOLIDE AVEC UN AUTRE TRAITEMENT THERMIQUE POUR ALIMENTS**
[72] VAN ERP, JOOST, NL
[72] VAN GERWEN, HENDRIKUS PETRUS GERARDUS, NL
[71] GEA FOOD SOLUTIONS BAKEL B.V., NL
[85] 2020-10-30
[86] 2019-05-27 (PCT/EP2019/063616)
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[54] **EXPANSION ANCHOR WITH A NONAXISYMMETRIC RECESS**
[54] **ANCRE A EXPANSION DOTEE D'UN EVIDEMENT NON AXISYMETRIQUE**
[72] SHIMAHARA, HIDEKI, CH
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2020-10-30
[86] 2019-06-07 (PCT/EP2019/064958)
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[54] **MULTIPLE-LAYOUT GRAPPLE**
[54] **GRAPPIN A DISPOSITION MULTIPLE**
[72] LA FERLA, DANILO, IT
[72] LA FERLA, FABIO, IT
[71] IDROJET S.R.L., IT
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[54] **METHOD OF PREPARING A WELLBORE TUBULAR COMPRISING AN ELASTOMER SLEEVE**
[54] **PROCEDE DE PREPARATION D'UN ELEMENT TUBULAIRE DE PUITS DE FORAGE COMPRENANT UN MANCHON ELASTOMERE**
[72] RUCKERT, FRANK, NL
[72] STAM, WALTER, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-10-30
[86] 2019-06-07 (PCT/EP2019/064974)
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[25] EN
[54] **DIAMOND MATERIALS COMPRISING MULTIPLE CVD GROWN, SMALL GRAIN DIAMONDS, IN A SINGLE CRYSTAL DIAMOND MATRIX**
[54] **MATERIAUX EN DIAMANT COMPRENANT DE MULTIPLES DIAMANTS A PETITS GRAINS MIS EN CROISSANCE PAR DEPOT CHIMIQUE EN PHASE VAPEUR (CVD), DANS UNE MATRICE MONOCRISTALLINE DE DIAMANT**
[72] TSACH, YARDEN, US
[71] M7D CORPORATION, US
[85] 2020-10-30
[86] 2019-05-08 (PCT/IB2019/053790)
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[51] **Int.Cl. B65G 65/00 (2006.01)**
[25] EN
[54] **UNLOADING ARRANGEMENT AND UNLOADING STATION, AS WELL AS METHOD OF UNLOADING AN ITEM FROM A STORAGE CONTAINER**
[54] **AGENCEMENT DE DECHARGEMENT ET POSTE DE DECHARGEMENT, AINSI QUE PROCEDE DE DECHARGEMENT D'UN ARTICLE A PARTIR D'UN CONTENEUR DE STOCKAGE**
[72] AUSTRHEIM, TROND, NO
[72] HEGGEBO, JORGEN DJUVE, NO
[72] GRUENBECK, UWE, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-10-30
[86] 2019-06-11 (PCT/EP2019/065149)
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[30] NO (20180813) 2018-06-12
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[25] EN
[54] **SEPARATING DEVICE**
[54] **DISPOSITIF SEPARATEUR**
[72] EGGERSMANN, KARLGUNTER, DE
[71] KOMPOFERM GMBH, DE
[85] 2020-10-30
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[25] EN
[54] **MOISTURIZING CREAM AND LOTION**
[54] **CREME ET LOTION HYDRATANTES**
[72] BAILLET, HORTENSE, FR
[72] GESLIN, MARIE, FR
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2020-10-30
[86] 2019-05-14 (PCT/IB2019/053983)
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[54] **SIMULATED INTESTINAL ENVIRONMENT**
[54] **ENVIRONNEMENT INTESTINAL SIMULE**
[72] YUILLE, SAMANTHA, GB
[72] REICHARDT, NICOLE, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
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[86] 2019-05-03 (PCT/EP2019/061446)
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[54] **ANTENNA APPARATUS AND TERMINAL**
[54] **APPAREIL D'ANTENNE ET TERMINAL**
[72] DENG, SHAOGANG, CN
[72] LIU, QING, CN
[72] CHEN, WEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-10-30
[86] 2019-05-13 (PCT/CN2019/086635)
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[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] MULDER, IMKE ELISABETH, GB
[72] FOTIADOU, PARTHENA, GB
[72] HOLT, AMY BETH, GB
[72] AHMED, SUAAD, GB
[72] ETTORRE, ANNA, GB
[72] YUILLE, SAMANTHA, GB
[72] DINAN, TED, IE
[72] CRYAN, JOHN, IE
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2020-10-30
[86] 2019-05-13 (PCT/EP2019/062238)
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[30] EP (18171893.3) 2018-05-11
[30] EP (18178136.0) 2018-06-15
[30] GB (1810386.1) 2018-06-25
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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **CONTAINER ACCESSING STATION WITH LIFTING DEVICE**
[54] **STATION D'ACCES A UN RECIPIENT MUNIE D'UN DISPOSITIF DE LEVAGE**
[72] AUSTRHEIM, TROND, NO
[72] STUHAUG, RAGNAR, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-10-30
[86] 2019-06-11 (PCT/EP2019/065184)
[87] (WO2019/238661)
[30] NO (20180813) 2018-06-12
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[51] **Int.Cl. C08L 23/08 (2006.01) C08F 110/02 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION HAVING HIGH SWELL RATIO, FNCT AND IMPACT RESISTANCE**
[54] **COMPOSITION DE POLYETHYLENE AYANT UN TAUX DE GONFLEMENT, UN FNCT ET UNE RESISTANCE AUX CHOCS ELEVES**
[72] DOETSCH, DIANA, DE
[72] MARCZINKE, BERND LOTHAR, DE
[72] MEIER, GERHARDUS, US
[72] SCHUELLER, ULF, DE
[72] FIBLA, CLAUDIO, NL
[71] BASELL POLYOLEFINE GMBH, DE
[85] 2020-10-30
[86] 2019-05-14 (PCT/EP2019/062264)
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[25] EN
[54] **A DELIVERY SYSTEM WITH AN ACCESS POINT AND A METHOD OF ACCESSING AN ACCESS POINT OF THE DELIVERY SYSTEM**
[54] **SYSTEME DE LIVRAISON DOTE D'UN POINT D'ACCES ET PROCEDE D'ACCES A UN POINT D'ACCES DU SYSTEME DE LIVRAISON**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-10-30
[86] 2019-06-11 (PCT/EP2019/065189)
[87] (WO2019/238664)
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[25] EN
[54] **CURVED CONVEYOR**
[54] **CONVOYEUR INCURVE**
[72] FUJIO, YOSHIHIKO, JP
[71] DAIFUKU CO., LTD., JP
[85] 2020-10-30
[86] 2019-04-05 (PCT/JP2019/015154)
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[25] EN
[54] **POLYESTER FILM AND METHOD FOR RECYCLING POLYESTER CONTAINER USING SAME**
[54] **FILM DE POLYESTER ET PROCEDE DE RECYCLAGE DE RECIPIENT EN POLYESTER L'UTILISANT**
[72] SHIN, DAE YONG, KR
[72] KIM, YONG DEUK, KR
[72] LEE, JUNG KYU, KR
[72] SON, JAEHYONG, US
[72] JUNG, EUGENE, US
[72] KIM, CHUL KYU, KR
[72] YANG, JOO HO, KR
[71] SKC CO., LTD., KR
[71] SKC INC., US
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[54] **OIL AND FAT SUBSTITUTES**
[54] **SUBSTITUTS D'HUILE ET DE MATIERE GRASSE**
[72] BUNCZEK, MICHAEL T., US
[72] EREN, FULYA, US
[72] CASSENS, MARTHA E., US
[72] THOMPSON, PHYLLIS D., US
[72] JOHNSON, KELLY J., US
[72] CHAISSON, HELENE M., US
[71] ACH FOOD COMPANIES, INC., US
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[86] 2019-03-26 (PCT/US2019/023971)
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[25] EN
[54] **SYSTEM AND METHOD TO MAINTAIN HEALTH USING PERSONAL DIGITAL PHENOTYPES**
[54] **SYSTEME ET PROCEDE POUR MAINTENIR LA SANTE A L'AIDE DE PHENOTYPES NUMERIQUES PERSONNELS**
[72] NARAYAN, SANJIV M., US
[72] ALHUSSEINI, MAHMOOD, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-10-30
[86] 2019-04-24 (PCT/US2019/029004)
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[25] EN
[54] **AN ULTRASONIC TRANSDUCER**
[54] **TRANSDUCTEUR ULTRASONIQUE**
[72] HILL, SAMUEL JOSEPH, GB
[72] HARPER, PHILIP BRIAN, GB
[72] MUTASA, TAPIWA ROPAFADZO, GB
[71] TRIBOSONICS LIMITED, GB
[85] 2020-10-30
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[25] EN
[54] **NANOEMULSIONS AND A METHOD FOR MAKING THE SAME**
[54] **NANOEMULSIONS ET LEUR PROCEDE DE FABRICATION**
[72] LOU, ANJING, US
[72] QUAN, CONGLING, US
[72] MOADDEL, TEANOOSH, US
[72] BUCHALOVA, MARIA, US
[71] UNILEVER PLC, GB
[85] 2020-10-30
[86] 2019-05-14 (PCT/EP2019/062300)
[87] (WO2019/224048)
[30] EP (18173916.0) 2018-05-23

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[51] **Int.Cl. H04W 74/08 (2009.01) H04W 52/04 (2009.01)**
[25] EN
[54] **USER EQUIPMENT AND BASE STATION APPARATUS**
[54] **DISPOSITIF UTILISATEUR, ET DISPOSITIF STATION DE BASE**
[72] OHARA, TOMOYA, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-10-30
[86] 2018-05-18 (PCT/JP2018/019416)
[87] (WO2019/220650)

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODY SPECIFICALLY BINDING TO C-MET, AND USE THEREOF**
[54] **ANTICORPS SE LIANT DE MANIERE SPECIFIQUE A C-MET ET UTILISATION ASSOCIEE**
[72] NAM, DO-HYUN, KR
[72] PARK, HYUNKYU, KR
[72] YOON, YEUP, KR
[71] AIMED BIO INC., KR
[85] 2020-10-30
[86] 2019-05-02 (PCT/KR2019/005257)
[87] (WO2019/212253)
[30] KR (10-2018-0050837) 2018-05-02
[30] KR (10-2019-0050780) 2019-04-30

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[51] **Int.Cl. C08J 9/00 (2006.01)**
[25] EN
[54] **POLYSTYRENE COMPOSITIONS FOR FOAM EXTRUSION**
[54] **COMPOSITIONS DE POLYSTYRENE POUR EXTRUSION DE MOUSSE**
[72] LI, FENGKUI, US
[72] BROWN, JAYNA, US
[72] WANG, YING, US
[72] STEPHENS, WYMAN T., US
[71] FINA TECHNOLOGY, INC., US
[85] 2020-10-30
[86] 2019-06-18 (PCT/US2019/037824)
[87] (WO2019/246170)
[30] US (16/014,883) 2018-06-21

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[13] A1
[51] **Int.Cl. H04L 12/701 (2013.01)**
[25] EN
[54] **MANAGING MULTICAST SERVICE CHAINS IN A CLOUD ENVIRONMENT**
[54] **GESTION DE CHAINES DE SERVICE DE MULTIDIFFUSION DANS UN ENVIRONNEMENT EN NUAGE**
[72] BOSCH, HENDRIKUS, NL
[72] NAPPER, JEFFREY, NL
[72] SURCOUF, ANDRE, FR
[72] DUMINUCO, ALESSANDRO, IT
[72] DHESIKAN, SUBHASRI, US
[72] MULLENDER, SAPE, NL
[71] CISCO TECHNOLOGY, INC., US
[85] 2020-10-30
[86] 2019-04-24 (PCT/US2019/028974)
[87] (WO2019/212831)
[30] US (15/968,690) 2018-05-01

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[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANTS CONTAINING ELITE EVENT EE-GM4 AND METHODS AND KITS FOR IDENTIFYING SUCH EVENT IN BIOLOGICAL SAMPLES, AND TREATMENT THEREOF**
[54] **PLANTES CONTENANT UN EVENEMENT ELITE EE-GM4 ET PROCEDES ET TROUSSES POUR IDENTIFIER UN TEL EVENEMENT DANS DES ECHANTILLONS BIOLOGIQUES, ET TRAITEMENT CORRESPONDANT**
[72] MOSER, HAL, US
[72] HABEX, VEERLE, BE
[72] DAUM, JULIA, US
[72] KLEVEN, THOMAS, US
[72] BEILINSON, VADIM, US
[72] MCCARVILLE, MICHAEL, US
[72] MULLOCK, JEREMIAH, US
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2020-10-30
[86] 2019-05-24 (PCT/US2019/033982)
[87] (WO2019/227028)
[30] US (62/676,434) 2018-05-25
[30] US (62/686,662) 2018-06-18

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[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE DONNEES BASEES SUR DES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025788)
[87] (WO2020/205773)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,671) 2020-03-26

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[25] EN
[54] **NOVEL HETEROCYCLE DERIVATIVE**
[54] **NOUVEAU DERIVE HETEROCYCLIQUE**
[72] HONG, WOO SANG, KR
[72] CHA, JOO YOUNG, KR
[72] CHOI, SUN EA, KR
[72] IM, ISAK, KR
[72] YUN, CHI-HO, KR
[72] JANG, JAE HO, KR
[72] JUNG, CHAE LIM, KR
[72] CHIN, SEI HO, KR
[72] KIM, JIKNYEO, KR
[72] KIM, JOONGSOO, KR
[72] LEE, SANG HAK, KR
[71] JW PHARMACEUTICAL CORPORATION, KR
[85] 2020-10-30
[86] 2019-05-02 (PCT/KR2019/005261)
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[30] KR (10-2018-0050910) 2018-05-02

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[51] **Int.Cl. C12N 9/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANTS CONTAINING ELITE EVENT EE-GM5 AND METHODS AND KITS FOR IDENTIFYING SUCH EVENT IN BIOLOGICAL SAMPLES, AND TREATMENT THEREOF**
[54] **PLANTES CONTENANT L'EVENEMENT ELITE EE-GM5 ET PROCEDES ET KITS POUR IDENTIFIER UN TEL EVENEMENT DANS DES ECHANTILLONS BIOLOGIQUES ET TRAITEMENT ASSOCIE**
[72] MOSER, HAL, US
[72] HABEX, VEERLE, BE
[72] DAUM, JULIA, US
[72] KLEVEN, THOMAS, US
[72] BEILINSON, VADIM, US
[72] MCCARVILLE, MICHAEL, US
[72] MULLOCK, JEREMIAH, US
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2020-10-30
[86] 2019-05-24 (PCT/US2019/033992)
[87] (WO2019/227036)
[30] US (62/676,445) 2018-05-25
[30] US (62/685,524) 2018-06-15
[30] US (62/686,666) 2018-06-18

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[51] **Int.Cl. H01M 2/02 (2006.01) H01M 2/14 (2006.01) H01M 2/16 (2006.01) H01M 6/08 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL CELL SEPARATOR**
[54] **SEPARATEUR DE CELLULE ELECTROCHIMIQUE**
[72] KALISZ, DAVID WALTER, US
[72] VERIKAKIS, MARIA G., US
[72] BOLYOS, CHRISTOPHER S., US
[71] ENERGIZER BRANDS, LLC, US
[85] 2020-10-30
[86] 2019-06-12 (PCT/US2019/036781)
[87] (WO2019/245823)
[30] US (62/687,509) 2018-06-20

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[51] **Int.Cl. B65H 37/02 (2006.01) C09J 7/20 (2018.01) B05C 1/12 (2006.01) C09J 11/00 (2006.01) C09J 133/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ADHESIVE APPLICATION TO BARRIER SHEET**
[54] **PROCEDE ET APPAREIL D'APPLICATION D'ADHESIF SUR UNE FEUILLE BARRIERE**
[72] CHOU, KEVIN, US
[72] EATON, PATRICK, US
[72] EL-TAHLAWY, KHALED, US
[72] ELAFROS, PETER, US
[72] MEYER, WILLIAM, US
[72] STAMATOUKOS, GEORGE, US
[72] VARGAS, ED, US
[71] SHURTAPE TECHNOLOGIES, LLC, US
[85] 2020-10-29
[86] 2019-04-30 (PCT/US2019/029807)
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[51] **Int.Cl. A01G 23/095 (2006.01)**
[25] EN
[54] **REPLACEABLE KNIFE INSERT**
[54] **PIECE RAPPORTEE DE COUTEAU REMPLACABLE**
[72] GUDNASON, BJARNI, NZ
[72] SHRIMPTON, TONY GRAEME, NZ
[71] ENGINEERING SERVICES ROTORUA LIMITED, NZ
[85] 2020-10-30
[86] 2019-05-01 (PCT/NZ2019/050045)
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[30] NZ (742153) 2018-05-02

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[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE DONNEES ORIENTEES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025831)
[87] (WO2020/205798)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **HUMANIZED BCMA ANTIBODY AND BCMA-CAR-T CELLS**
[54] **ANTICORPS BCMA HUMANISE ET CELLULES BCMA-CAR-T**
[72] WU, LIJUN, US
[72] GOLUBOVSKAYA, VITA, US
[71] CARIBOU BIOSCIENCES, INC., US
[85] 2020-10-30
[86] 2020-01-15 (PCT/US2020/013662)
[87] (WO2020/150339)
[30] US (62/793,274) 2019-01-16

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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 47/04 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **AGENT FOR PREVENTING VIRAL INFECTIONS**
[54] **AGENT POUR LA PREVENTION D'INFECTIONS VIRALES**
[72] LASKAVY, VLADISLAV NIKOLAEVICH, RU
[71] LASKAVY, VLADISLAV NIKOLAEVICH, RU
[85] 2020-10-30
[86] 2019-04-18 (PCT/RU2019/000259)
[87] (WO2019/216791)
[30] RU (2018116987) 2018-05-07

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[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE DONNEES REPOSANT SUR LA REPRESENTATION GRAPHIQUE**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025653)
[87] (WO2020/205700)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,578) 2020-03-26

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[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE ORIENTEES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025642)
[87] (WO2020/205694)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,534) 2020-03-26

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[51] **Int.Cl. G08B 29/12 (2006.01) G08B 29/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TESTING NETWORKED ALARM UNITS**
[54] **SYSTEME ET PROCEDE PERMETTANT DE TESTER DES UNITES D'ALARME EN RESEAU**
[72] MIAGKOV, VALERIY V., US
[72] DANVERS, NARVAL, US
[71] CARRIER CORPORATION, US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/029816)
[87] (WO2019/217139)
[30] US (62/670,365) 2018-05-11

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[13] A1
[51] **Int.Cl. B62D 55/21 (2006.01)**
[25] EN
[54] **MASTER LINK ASSEMBLY FOR A TRACK CHAIN**
[54] **ENSEMBLE MAILLON MAITRE POUR UNE CHAINE DE CHENILLE**
[72] TRONE, MATTHEW, US
[71] CATERPILLAR INC., US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/029771)
[87] (WO2019/221900)
[30] US (15/983,749) 2018-05-18

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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/337 (2006.01) A61K 31/513 (2006.01) A61K 31/7105 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMBINATION**
[54] **COMBINAISON THERAPEUTIQUE**
[72] WILLIAMS, GARETH, GB
[72] LODDO, MARCO, GB
[71] ONCOLOGICA UK LIMITED, GB
[85] 2020-10-30
[86] 2019-05-01 (PCT/GB2019/051205)
[87] (WO2019/211604)
[30] GB (1807147.2) 2018-05-01

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[13] A1
[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE DONNEES REPOSANT SUR DES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025721)
[87] (WO2020/205737)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,597) 2020-03-26

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[13] A1
[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE DONNEES REPOSANT SUR DES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[71] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025764)
[87] (WO2020/205763)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,657) 2020-03-26

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[13] A1
[51] **Int.Cl. B29C 35/02 (2006.01) B29C 35/08 (2006.01) B29C 41/08 (2006.01) B29C 67/04 (2017.01) B29C 67/06 (2017.01) B29C 70/64 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING SYSTEM WITH TUNABLE MATERIAL PROPERTIES**
[54] **SYSTEME DE FABRICATION ADDITIVE AYANT DES PROPRIETES DE MATERIAU AJUSTABLES**
[72] COULTER, JOHN P., US
[71] LEHIGH UNIVERSITY, US
[85] 2020-10-30
[86] 2018-05-04 (PCT/US2018/031184)
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[30] US (62/501,421) 2017-05-04

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[51] **Int.Cl. G01N 27/22 (2006.01) G16C 60/00 (2019.01) B28C 7/02 (2006.01) G01D 5/12 (2006.01) G01D 5/16 (2006.01) G01D 21/00 (2006.01) G01N 17/04 (2006.01) G01N 22/00 (2006.01) G01N 27/06 (2006.01) G01N 29/07 (2006.01) G01N 33/38 (2006.01) G01R 27/28 (2006.01)**
[25] EN
[54] **CONSTRUCTION MATERIAL ASSESSMENT METHOD AND SYSTEMS**
[54] **PROCEDE ET SYSTEME D'EVALUATION DE MATERIAU DE CONSTRUCTION**
[72] GHODS, POURIA, CA
[72] ALIZADEH, ROUHALLAH, CA
[72] FAHIM, ANDREW, CA
[72] DE CAFUREL, SARAH, CA
[72] SALEHI, MUSTAFA, CA
[71] GHODS, POURIA, CA
[71] ALIZADEH, ROUHALLAH, CA
[71] FAHIM, ANDREW, CA
[71] DE CAFUREL, SARAH, CA
[71] SALEHI, MUSTAFA, CA
[85] 2020-11-02
[86] 2019-05-03 (PCT/CA2019/000057)
[87] (WO2019/210389)
[30] US (62/666,188) 2018-05-03

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[51] **Int.Cl. B42D 25/387 (2014.01) B42D 25/351 (2014.01) B42D 25/364 (2014.01) B42D 25/373 (2014.01) B42D 25/391 (2014.01) B42D 25/45 (2014.01) C09K 11/06 (2006.01)**
[25] FR
[54] **OPTICAL MARKING DEVICE**
[54] **DISPOSITIF DE MARQUAGE OPTIQUE**
[72] PRETE, COSIMO, FR
[72] MALINGE, JEREMY, FR
[72] ALLOYEZ, GAUTIER, FR
[71] CRIME SCIENCE TECHNOLOGY, FR
[85] 2020-11-02
[86] 2019-04-19 (PCT/FR2019/050946)
[87] (WO2019/202280)
[30] FR (18 53464) 2018-04-19

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[13] A1
[51] **Int.Cl. A61K 9/12 (2006.01) A61K 9/51 (2006.01) A61K 31/454 (2006.01)**
[25] EN
[54] **NEW TREATMENT OF INTERSTITIAL LUNG DISEASES**
[54] **NOUVEAU TRAITEMENT DE MALADIES PULMONAIRES INTERSTITIELLES**
[72] DALSGAARD, CARL-JOHAN, SE
[72] FEILER, ADAM, SE
[72] ZHOU, CHUNFANG, SE
[72] PASZKIEWICZ, PAULINA, SE
[72] XIA, XIN, SE
[71] INIM PHARMA AB, SE
[85] 2020-10-30
[86] 2019-05-03 (PCT/GB2019/051237)
[87] (WO2019/211624)
[30] GB (1807286.8) 2018-05-03

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[13] A1
[51] **Int.Cl. A24F 40/30 (2020.01) A24F 40/70 (2020.01) A24D 1/02 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING ARTICLES AND METHODS FOR MANUFACTURING THE SAME**
[54] **ARTICLES PRODUISANT UN AEROSOL ET PROCEDES POUR LES FABRIQUER**
[72] RODRIGUEZ, JUAN JOSE MORENO, CH
[72] GILL, MARK, GB
[71] JT INTERNATIONAL SA, CH
[85] 2020-11-02
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[87] (WO2019/223886)
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[25] EN
[54] **WEARABLE DEVICE TO MONITOR MUSCULOSKELETAL LOADING, ESTIMATE TISSUE MICRODAMAGE AND PROVIDE INJURY RISK BIOFEEDBACK**
[54] **DISPOSITIF VESTIMENTAIRE POUR SURVEILLER LE CHARGEMENT MUSCULO-SQUELETTIQUE, ESTIMER DES MICRO-DOMMAGES TISSULAIRES ET FOURNIR UNE RETROACTION BIOLOGIQUE DE RISQUE DE BLESSURE**
[72] MATIJEVICH, EMILY, US
[72] SCOTT, LEON, US
[72] ZELIK, KARL, US
[71] VANDERBILT UNIVERSITY, US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/029790)
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[30] US (62/664,479) 2018-04-30

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[51] **Int.Cl. B65G 49/06 (2006.01)**
[25] EN
[54] **SORTING METHOD AND DEVICE FOR SORTING PLATE-SHAPED OBJECTS, PREFERABLY GLASS PANEL CUT PIECES, METHOD AND DEVICE FOR PRODUCING GLASS PANEL CUT PIECES WITH A SORTING DEVICE OF THISTYPE**
[54] **PROCEDE ET DISPOSITIF DE TRIAGE D'OBJETS EN FORME DE PLAQUE, DE PREFERENCE D'EBAUCHES DE PANNEUX DE VERRE, PROCEDE ET DISPOSITIF DE PRODUCTION D'EBAUCHES DE PANNEUX DE VERRE AVEC UN TEL DISPOSITIF DE TRIAGE**
[72] RIEPE, DIETER, DE
[72] ROTERMUND, CHRISTIAN, DE
[72] SCHOISSWOHL, MARKUS, AT
[72] HOTGER, BERNHARD, DE
[72] WERNEKE, MIRKO, DE
[71] HEGLA GMBH & CO. KG, DE
[85] 2020-11-02
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[87] (WO2019/211058)
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[25] EN
[54] **DEVICE FOR SANITARY DRAINAGE OF AN OSTOMY POUCH**
[54] **DISPOSITIF POUR DRAINAGE SANITAIRE D'UNE POCHE DE STOMIE**
[72] FODA, MOHAMED M.R., CA
[72] MONIB, AISHA M.K., CA
[71] FODA, MOHAMED M.R., CA
[71] MONIB, AISHA M.K., CA
[85] 2020-11-02
[86] 2019-05-08 (PCT/CA2019/050611)
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[25] EN
[54] **PELLICLE FOR EUV LITHOGRAPHY**
[54] **PELLICULE POUR LITHOGRAPHIE EUV**
[72] DE GRAAF, DENNIS, NL
[72] BEAUDRY, RICHARD, NL
[72] BIRON, MAXIME, NL
[72] JANSSEN, PAUL, NL
[72] KATER, THIJS, NL
[72] KORNELSEN, KEVIN, NL
[72] KUIJKEN, MICHAEL ALFRED JOSEPHUS, NL
[72] KUNTZEL, JAN HENDRIK WILLEM, NL
[72] MARTEL, STEPHANE, NL
[72] NASALEVICH, MAXIM ALEKSANDROVICH, NL
[72] SALMASO, GUIDO, NL
[72] VAN ZWOL, PIETER-JAN, NL
[71] ASML NETHERLANDS B.V., NL
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[25] EN
[54] **AN INTERNAL COMBUSTION ENGINE AND METHOD OF OPERATING AN INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE ET SON PROCEDE DE FONCTIONNEMENT**
[72] RIGNEY, SHAUN T, AU
[71] WATER 2 HYDROGEN (IP) PTY LTD, AU
[85] 2020-11-02
[86] 2019-05-02 (PCT/AU2019/050405)
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[51] **Int.Cl. B41M 5/24 (2006.01) B41M 5/26 (2006.01) C03C 23/00 (2006.01) C23C 14/28 (2006.01)**
[25] EN
[54] **METHOD FOR MARKING GLASS SHEETS, PREFERABLY SINGLE-PANE SAFETY GLASS SHEETS**
[54] **PROCEDE DE MARQUAGE DE PLAQUES DE VERRE, DE PREFERENCE DE PLAQUES DE VERRE DE SECURITE TREMPE**
[72] RAINER, THOMAS, DE
[71] HEGLA BORAIDENT GMBH & CO. KG, DE
[85] 2020-11-02
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[25] EN
[54] **EXPRESSION OF UNFOLDED PROTEIN RESPONSE PROTEINS IMPROVES PLANT BIOMASS AND GROWTH**
[54] **EXPRESSION DE PROTEINES DE REPONSE A DES PROTEINES DEPLIEES AMELIORE LA BIOMASSE ET LA CROISSANCE DE PLANTES**
[72] BRANDIZZI, FEDERICA, US
[72] KIM, SANG JIN, US
[72] ZEMELIS-DURFEE, STARLA, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
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[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/553 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSES INHIBITEURS DE RIP1, PROCEDES DE PREPARATION ET D'UTILISATION ASSOCIES**
[72] DARWISH, IHAB, US
[72] YU, JIAXIN, US
[72] CHEN, YAN, US
[72] MASUDA, ESTEBAN, US
[72] TAYLOR, VANESSA, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030473)
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[51] **Int.Cl. G01N 15/06 (2006.01) G01N 15/02 (2006.01)**
[25] EN
[54] **PARTICULATE SAMPLING DEVICE AND ANALYSIS**
[54] **DISPOSITIF D'ECHANTILLONNAGE DE MATIERE PARTICULAIRE ET ANALYSE**
[72] COLLINS, LEWIS ALEXANDER, AU
[72] BRINDLE, HENRY, AU
[72] BERHANE, SARON, AU
[71] BIOSCOUT PTY LTD, AU
[85] 2020-11-02
[86] 2019-05-06 (PCT/AU2019/050415)
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[25] EN
[54] **VAPORISABLE FORMULATION**
[54] **FORMULE VAPORISABLE**
[72] MATHIE, KLAUS, GB
[72] MONTSERRAT SANCHEZ PENA, MARIA, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-10-30
[86] 2019-05-03 (PCT/GB2019/051244)
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[30] GB (1807305.6) 2018-05-03

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[13] A1
[51] **Int.Cl. G01V 5/12 (2006.01)**
[25] EN
[54] **METHODS AND MEANS FOR EVALUATING AND MONITORING FORMATION CREEP AND SHALE BARRIERS USING IONIZING RADIATION**
[54] **PROCEDES ET MOYENS POUR EVALUER ET SURVEILLER DES BARRIERE DE FLUAGE ET DE SCHISTE DE FORMATION EN UTILISANT UN RAYONNEMENT IONISANT**
[72] TEAGUE, PHILIP, US
[72] SPANNUTH, MELISSA, US
[72] PIROVOLOU, DIMITRIOS, US
[71] TEAGUE, PHILIP, US
[71] SPANNUTH, MELISSA, US
[71] PIROVOLOU, DIMITRIOS, US
[85] 2020-10-30
[86] 2019-05-03 (PCT/US2019/030676)
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[54] **AEROSOL SPRAY GUARD**
[54] **DISPOSITIF DE PROTECTION DE PULVERISATION AEROSOL**
[72] ANDREWS, BASIL PAUL, CA
[71] ANDREWS, BASIL PAUL, CA
[85] 2020-11-02
[86] 2018-05-04 (PCT/CA2018/050538)
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[25] EN
[54] **PHASED ARRAY ANTENNA SYSTEM**
[54] **SYSTEME D'ANTENNE RESEAU A COMMANDE DE PHASE**
[72] MIEHLE, KONRAD, US
[71] VIASAT, INC., US
[85] 2020-10-30
[86] 2019-05-03 (PCT/US2019/030693)
[87] (WO2019/221936)
[30] US (15/978,909) 2018-05-14

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[51] **Int.Cl. A61B 5/0472 (2006.01) G16H 20/00 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING QRS COMPONENTS AND LIKELIHOOD OF RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE COMPOSANTS QRS ET PROBABILITE DE REPONSE A LA THERAPIE DE RESYNCHRONISATION CARDIAQUE**
[72] CHAUHAN, VIJAY SINGH, CA
[72] SUSZKO, ADRIAN MICHAEL, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-11-02
[86] 2019-04-30 (PCT/CA2019/050563)
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[13] A1
[51] **Int.Cl. E21B 36/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **CREATING FRACTURES IN A FORMATION USING ELECTROMAGNETIC SIGNALS**
[54] **CREATION DE FRACTURES DANS UNE FORMATION A L'AIDE DE SIGNAUX ELECTROMAGNETIQUES**
[72] OTHMAN, HAITHAM A., SA
[72] BATARSEH, SAMEEH ISSA, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-10-30
[86] 2018-09-21 (PCT/IB2018/057292)
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[30] US (15/970,604) 2018-05-03

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[51] **Int.Cl. F24D 5/12 (2006.01) F24D 5/00 (2006.01) F24D 19/00 (2006.01) F24D 19/10 (2006.01) F25B 29/00 (2006.01) F25B 30/06 (2006.01)**
[25] EN
[54] **SUPPLEMENTAL HEATING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE CHAUFFAGE SUPPLEMENTAIRE**
[72] BRUTON, ERIC, US
[72] REESE, MATTHEW, US
[71] HEATCO, INC., US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030348)
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[30] US (62/665,787) 2018-05-02

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **THERAPY DEVICES, METHODS, AND SYSTEMS INCLUDING A PISTON-STYLE DETECTOR**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE THERAPIE COMPRENANT UN DETECTEUR DE TYPE PISTON**
[72] LOVE, JOHN, US
[72] LIVINGSTON, ADAM JOSEPH, US
[72] CROTHALL, GEORGE, US
[72] JOHNSON, JEFFREY, US
[71] BIGFOOT BIOMEDICAL, INC., US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030384)
[87] (WO2019/213385)
[30] US (62/667,085) 2018-05-04
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[51] **Int.Cl. E05F 15/73 (2015.01) B60J 5/10 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **CAMERA BASED HANDS-FREE POWER LIFTGATE**
[54] **HAYON ELEVATEUR MOTORISE MAINS LIBRES BASE SUR UN APPAREIL DE PRISE DE VUES**
[72] TOFILESCU, POMPILIAN, CA
[72] ZSOMBORY, SANDOR, CA
[72] MATKIWSKY, YARKO, CA
[72] GRILLS, REGINALD C., CA
[72] MACK, ADAM, CA
[71] TOFILESCU, POMPILIAN, CA
[71] ZSOMBORY, SANDOR, CA
[71] MATKIWSKY, YARKO, CA
[71] GRILLS, REGINALD C., CA
[71] MACK, ADAM, CA
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[86] 2019-04-30 (PCT/IB2019/053553)
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[51] **Int.Cl. H05B 33/08 (2020.01) H05B 39/04 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR DAYLIGHT HARVESTING**
[54] **SYSTEMES ET PROCEDES DE COLLECTE DE LUMIERE DU JOUR**
[72] WEBER, THEODORE E., US
[72] ARBOUW, TERRENCE R., US
[72] MUECKE, MICHAEL L., US
[71] HUBBELL INCORPORATED, US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030418)
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[30] US (62/665,722) 2018-05-02

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[51] **Int.Cl. B60J 11/04 (2006.01) B60J 11/00 (2006.01) B65D 65/02 (2006.01) B65D 65/04 (2006.01) B65D 65/06 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **PROTECTIVE VEHICLE ENCLOSURE**
[54] **ENCEINTE DE VEHICULE PROTECTRICE**
[72] ADAMS, MICHAEL, US
[71] ADAMS, MICHAEL, US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030422)
[87] (WO2019/213410)
[30] US (15/968,915) 2018-05-02

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[13] A1
[51] **Int.Cl. E04H 15/00 (2006.01) E04H 15/48 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE TENTING SYSTEM**
[54] **SYSTEME DE MONTAGE DE TENTE PERSONNALISABLE**
[72] WISEMAN, JAMES JOHN, US
[71] WISEMAN, JAMES JOHN, US
[85] 2020-10-30
[86] 2019-05-06 (PCT/US2019/030967)
[87] (WO2019/213670)
[30] US (62/666,817) 2018-05-04

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[13] A1
[51] **Int.Cl. F21V 5/02 (2006.01) F21K 99/00 (2016.01) F21S 8/06 (2006.01) F21V 15/015 (2006.01) F21V 17/00 (2006.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01)**
[25] EN
[54] **LUMINAIRE**
[54] **LUMINAIRE**
[72] VANG, SENG, US
[72] LEWIS, RANDY, US
[72] HOLSCHER, THOMAS, US
[72] BRIDWELL, JESSICAL, US
[72] HUNTER, DAVE, US
[71] HUBBELL INCORPORATED, US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030427)
[87] (WO2019/213412)
[30] US (62/665,804) 2018-05-02
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[51] **Int.Cl. G08B 17/107 (2006.01) G08B 29/18 (2006.01)**
[25] EN
[54] **PORTABLE AUXILIARY DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION AUXILIAIRE PORTABLE**
[72] LINCOLN, DAVID L., US
[72] PIECH, MARCIN, US
[72] BIRNKRANT, MICHAEL J., US
[71] CARRIER CORPORATION, US
[85] 2020-10-30
[86] 2019-05-08 (PCT/US2019/031265)
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[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/553 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSES INHIBITEURS DE RIP1 ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MASUDA, ESTEBAN, US
[72] SHAW, SIMON, US
[72] TAYLOR, VANESSA, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2020-10-30
[86] 2019-05-02 (PCT/US2019/030476)
[87] (WO2019/213447)
[30] US (62/666,462) 2018-05-03

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **MULTI-PATH USER DATAGRAM PROTOCOL**
[54] **PROTOCOLE DE DATAGRAMME UTILISATEUR A TRAJETS MULTIPLES**
[72] SIRIPURAPU, RAMESH, US
[71] NETSURION LLC, US
[85] 2020-10-30
[86] 2019-05-08 (PCT/US2019/031358)
[87] (WO2019/217578)
[30] US (62/669,340) 2018-05-09

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[13] A1
[51] **Int.Cl. C07K 14/715 (2006.01) A61K 38/20 (2006.01) C07K 14/735 (2006.01)**
[25] EN
[54] **INTERLEUKIN 15 FUSION PROTEINS, AND COMPOSITIONS AND THERAPEUTIC METHODS THEREOF**
[54] **PROTEINES DE FUSION DE L'INTERLEUKINE 15, ET COMPOSITIONS ET PROCEDES THERAPEUTIQUES ASSOCIES**
[72] FU, YANG-XIN, US
[72] PENG, HUA, CN
[72] GUO, JINGYA, CN
[71] IMMUNE TARGETING INC., US
[85] 2020-10-30
[86] 2019-05-03 (PCT/US2019/030594)
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[30] CN (201810420739.6) 2018-05-04

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[13] A1
[51] **Int.Cl. G08B 17/103 (2006.01)**
[25] EN
[54] **SMOKE CHAMBER FOR MULTIWAVE MULTIANGLE SMOKE DETECTOR**
[54] **CHAMBRE A FUMEE POUR DETECTEUR DE FUMEE A ANGLES MULTIPLES ET ONDES MULTIPLES**
[72] GADONNIEX, DENNIS MICHAEL, US
[72] PATEL, VIPUL, US
[71] CARRIER CORPORATION, US
[85] 2020-10-30
[86] 2019-05-08 (PCT/US2019/031359)
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[30] US (62/669,122) 2018-05-09

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[13] A1
[51] **Int.Cl. A47B 13/02 (2006.01) A47B 3/06 (2006.01) A47B 9/00 (2006.01) A47B 13/00 (2006.01) F16B 2/18 (2006.01) F16B 12/00 (2006.01) F16B 12/42 (2006.01)**
[25] EN
[54] **TOOLLESS ATTACHMENT ASSEMBLY**
[54] **ENSEMBLE DE FIXATION SANS OUTIL**
[72] MILLER, JEFFREY F., US
[72] GOMEZ, ADRIAN, US
[72] DOLLINGER, JUSTIN D., US
[72] PEAVEY, ROBERT D., US
[72] BONACINA, MATTEO, US
[71] POPPIN, INC., US
[85] 2020-10-30
[86] 2019-05-06 (PCT/US2019/030879)
[87] (WO2019/213650)
[30] US (62/667,005) 2018-05-04

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[51] **Int.Cl. C12N 5/0786 (2010.01) C12N 5/0775 (2010.01) A61K 35/15 (2015.01) A61K 35/28 (2015.01) A61P 19/04 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **MESENCHYMAL STROMAL CELL EXOSOME -TREATED MONOCYTES AND USES THEREOF**
[54] **MONOCYTES TRAITES PAR EXOSOMES DE CELLULES STROMALES MESENCHYMATEUSES ET LEURS UTILISATIONS**
[72] KOUREMBANAS, STELLA, US
[72] MITSIALIS, S. ALEXANDER, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2020-10-30
[86] 2019-05-09 (PCT/US2019/031467)
[87] (WO2019/217646)
[30] US (62/669,324) 2018-05-09

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[13] A1
[51] **Int.Cl. C22C 21/08 (2006.01) B22D 21/04 (2006.01)**
[25] EN
[54] **AL-MG-SI-MN-FE CASTING ALLOYS**
[54] **ALLIAGES DE MOULAGE D'AL-MG-SI-MN-FE**
[72] YAN, XINYAN, US
[71] ALCOA USA CORP., US
[85] 2020-10-30
[86] 2019-05-06 (PCT/US2019/030924)
[87] (WO2019/217319)
[30] US (62/667,930) 2018-05-07

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[13] A1
[51] **Int.Cl. G08B 13/196 (2006.01) G08B 13/19 (2006.01)**
[25] EN
[54] **AUTONOMOUS VIRTUAL WALL**
[54] **PAROI VIRTUELLE AUTONOME**
[72] WALSH, RYAN, US
[72] FALESCH, ALEXANDER J., US
[71] VALQARI HOLDINGS, LLC, US
[85] 2020-10-30
[86] 2019-05-09 (PCT/US2019/031513)
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[30] US (62/668,846) 2018-05-09

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[54] **INHIBITEURS DE KRAS G12C POUR LE TRAITEMENT DU CANCER**
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[72] LOW, JONATHAN D., US
[72] WURZ, RYAN PAUL, US
[72] LANMAN, BRIAN ALAN, US
[72] CEE, VICTOR J., US
[72] BARTBERGER, MICHAEL D., US
[72] CHU-MOYER, MARGARET, US
[71] AMGEN INC., US
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[54] **PROCEDES DE SYNTHESE D'UN RESEAU DE POLYNUCLEOTIDES A L'AIDE D'AGENTS PHOTACTIVES**
[72] RAJASEKARAN, JOHN J., US
[72] JAYARAMAN, VASANTH, US
[72] VENUGOPAL, ANIRUDH, US
[72] BEI, KANG, US
[72] WANG, TIANHAO, US
[72] KRISHNA, KARTHIK, US
[72] KRISHNAMURTHY, HARI KRISHNAN, US
[71] VIBRANT HOLDINGS, LLC, US
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[54] **MACROMONOMER BASED LIGHT-CURABLE DENTAL IMPRESSION MATERIAL**
[54] **MATERIAU D'EMPREINTE DENTAIRE PHOTODURCISSABLE A BASE DE MACROMONOMERE**
[72] JIN, XIAOMING, US
[72] LIU, YI, US
[72] GULMINI, STEFANO, IT
[72] CAVALIERE, STEFANO, IT
[72] ZHANG, ZHAONAN, US
[71] DENTSPLY SIRONA INC., US
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[54] **METHODS OF TREATING HEMOPHILIA A**
[54] **PROCEDES DE TRAITEMENT DE L'HEMOPHILIE A**
[72] INNES, ALISON, US
[72] KATRAGADDA, SURESH, US
[72] RICE, KARA, US
[72] RUDIN, DAN, US
[72] SETH CHHABRA, EKTA, US
[72] WONG, NANCY, US
[71] BIOVERATIV THERAPEUTICS INC., US
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[54] **SULFINYLAMINOBENZAMIDE AND SULFONYLAMINOBENZAMIDE DERIVATIVES**
[54] **DERIVES SULFINYLAMINOBENZAMIDE ET SULFONYLAMINOBENZAMIDE**
[72] FARAND, JULIE, US
[72] KAPLAN, JOSHUA A., US
[72] NOTTE, GREGORY, US
[72] OLEN, CASEY LOCKWOOD, US
[72] SANGI, MICHAEL, US
[72] SPERANDIO, DAVID, US
[71] GILEAD SCIENCES, INC., US
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[54] **A FORCE TRANSDUCER, A MEASURING DEVICE AND A SYSTEM FOR MEASURING MUSCLE STIFFNESS**
[54] **TRANSDUCTEUR DE FORCE, DISPOSITIF DE MESURE ET SYSTEME DE MESURE DE RIGIDITE MUSCULAIRE**
[72] WESTERGAARD, JOHNNY ERIK, DK
[72] BILDE, PEDER ESBEN, DK
[72] NIELSEN, JENS BO, DK
[71] MOVOTEC A/S, DK
[71] KOBENHAVNS UNIVERSITET, DK
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[54] **FORMULATIONS PHARMACEUTIQUES AMELIOREES**
[72] SONAVANE, GANESHCHANDRA, IN
[72] LOKHANDE, PARAG, IN
[72] SETHI, PRADEEP, IN
[72] WAGH, TUSHAR, IN
[71] FERRING B.V., NL
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[54] **SURROGATE MARKER AND METHOD FOR TUMOR MUTATION BURDEN MEASUREMENT**
[54] **MARQUEUR DE SUBSTITUTION ET PROCEDE DE MESURE DE CHARGE DE MUTATION DE TUMEUR**
[72] BALASUBRAMANYAM, AARTHI, US
[72] JU, CHRISTINE, US
[72] MA, XIAOJU, US
[72] MULEY, THOMAS, DE
[72] HERTH, FELIX, DE
[72] TIKOO, NALIN, US
[72] WEHNL, BIRGIT, DE
[72] XI, LIU, US
[72] YAUNG, STEPHANIE J., US
[72] PATI, AMRITA, US
[71] F.HOFFMANN-LA ROCHE AG, CH
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[54] **METHODS FOR THE IDENTIFICATION AND CHARACTERIZATION OF DOUBLE-STRAND BREAK SITES AND COMPOSITIONS AND USES THEREOF**
[54] **PROCEDES D'IDENTIFICATION ET DE CARACTERISATION DE SITES DE CASSURE DOUBLE BRIN ET COMPOSITIONS ET UTILISATIONS DE CELLES-CI**
[72] DESCHAMPS, STEPHANE, US
[72] SIKSNYS, VIRGINIJUS, LT
[72] YOUNG, JOSHUA K., US
[72] ZAREMBA, MINDAUGAS, LT
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[71] VILNIUS UNIVERSITY, LT
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[54] **METHODS FOR TREATING ATOPIC DERMATITIS BY ADMINISTERING AN IL-4R INHIBITOR**
[54] **METHODES DE TRAITEMENT DE LA DERMATITE ATOPIQUE PAR ADMINISTRATION D'UN INHIBITEUR DE L'IL-4R**
[72] BANSAL, ASHISH, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-10-30
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[54] **METHODS OF IDENTIFYING, SELECTING, AND PRODUCING SOUTHERN CORN RUST RESISTANT CROPS**
[54] **PROCEDES D'IDENTIFICATION, DE SELECTION ET DE PRODUCTION DE CULTURES DE MAIS RESISTANTES A LA ROUILLE DU SUD**
[72] YAN, JIANBING, CN
[72] LI, BAILIN, US
[72] TABOR, GIRMA M, US
[72] CHEN, GENGSHEN, CN
[72] DING, JUNQIANG, CN
[72] LAI, ZHIBING, CN
[72] WANG, HONGZE, CN
[72] YANG, QIANHUI, CN
[71] HUAZHONG AGRICULTURAL UNIVERSITY, CN
[71] PIONEER HI-BRED, INTERNATIONAL, INC., US
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[54] **CHAINE DE SIGNAUX DE BOBINE DE RADIOFREQUENCE DESTINEE A UN SYSTEME D'IRM A FAIBLE CHAMP**
[72] DYVORNE, HADRIEN, A., US
[72] REARICK, TODD, US
[71] HYPERFINE RESEARCH, INC., US
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[54] **X-RAY SCANNING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE BALAYAGE PAR RAYONS X**
[72] EL BAKRY, OLA, CA
[72] ARCHAMBAULT, SIMON, CA
[72] AWAD, WILLIAM, CA
[71] VOTI INC., CA
[85] 2020-11-02
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[54] **X-RAY SCREENING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CRIBLAGE PAR RAYONS X**
[72] ARCHAMBAULT, SIMON, CA
[72] AWAD, WILLIAM, CA
[72] DESJEANS-GAUTHIER, PHILIPPE, CA
[72] ST-AUBIN, EMMANUEL, CA
[72] TEYSSEDOU, NICOLAS, CA
[71] VOTI INC., CA
[85] 2020-11-02
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[54] **CRYSTAL FORMS OF THIOPHENE DERIVATIVES**
[54] **FORME CRISTALLINE DE DERIVE DE THIOPHENE**
[72] ZHANG, DONGLEI, CN
[72] WANG, LIYU, CN
[72] CHANG, YUKUN, CN
[71] TIANJIN HEMAY PHARMACEUTICAL SCI-TECH CO., LTD, CN
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[54] **SOLID FORMS OF THIOPHENE DERIVATIVES**
[54] **FORME SOLIDE DE DERIVE DE THIOPHENE**
[72] ZHANG, DONGLEI, CN
[72] WANG, LIYU, CN
[72] LI, XINGWEN, CN
[71] TIANJIN HEMAY PHARMACEUTICAL CO., LTD., CN
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[54] **PELLE DE DECHARGE DE BISEAU A PERCUSSION ALTERNATIVE D'UNE MACHINE D'EXPLOITATION MINIERE A PERCUSSION ALTERNATIVE**
[72] LIU, SUHUA, CN
[71] LIU, SUHUA, CN
[85] 2020-11-02
[86] 2019-05-05 (PCT/CN2019/085564)
[87] (WO2019/210881)
[30] CN (201910253493.2) 2019-03-29

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/06 (2006.01) A61P 5/00 (2006.01)**
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[54] **PREPARATION COMPRISING ANTI-PCSK9 ANTIBODY AND USE THEREOF**
[54] **PREPARATIONS COMPRENANT DES ANTICORPS ANTI-PCSK9 ET LEUR UTILISATION**
[72] WANG, YINJUE, CN
[72] LIU, XIAOLIN, CN
[72] XIE, RUIXIA, CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
[85] 2020-11-02
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[54] **ENGINEERED CELLS AND USES THEREOF**
[54] **CELLULES MODIFIEES ET UTILISATIONS ASSOCIEES**
[72] ZHANG, HUIHUI, CN
[72] ZHANG, FANGLIANG, CN
[72] ZHAO, TAO, CN
[72] ZENG, MING, US
[72] ZHANG, YAFENG, CN
[72] ZHANG, WANG, CN
[72] WU, SHU, CN
[72] PAN, QI, US
[72] YANG, SHUAI, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2020-11-02
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[54] **EOLIENNE**
[72] CONRADS, HANS GEORG, DE
[72] MADE, MATTHIAS, DE
[71] PROMECON PROCESS MEASUREMENT CONTROL GMBH, DE
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[86] 2019-04-26 (PCT/DE2019/000114)
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[54] **MODULATEURS THERAPEUTIQUES DU MODE INVERSE DE L'ATP SYNTHASE**
[72] FORREST, MICHAEL DAVID, GB
[71] FORREST, MICHAEL DAVID, GB
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[30] GB (1800092.7) 2018-01-04
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[25] EN
[54] **AN AEROSOL GENERATING ARTICLE, A METHOD FOR MANUFACTURING AN AEROSOL GENERATING ARTICLE AND AN AEROSOL GENERATING SYSTEM**
[54] **ARTICLE DE GENERATION D'AEROSOL, PROCEDE DE FABRICATION D'UN ARTICLE DE GENERATION D'AEROSOL ET SYSTEME DE GENERATION D'AEROSOL**
[72] BRVENIK, LUBOS, SK
[71] JT INTERNATIONAL SA, CH
[85] 2020-11-02
[86] 2019-05-15 (PCT/EP2019/062500)
[87] (WO2019/224075)
[30] EP (18173398.1) 2018-05-21
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[25] EN
[54] **COMBINED INHIBITION OF PD-1/PD-L1, TGF.BETA. AND DNA-PK FOR THE TREATMENT OF CANCER**
[54] **INHIBITION COMBINEE DE PD-1/PD-L1, DE TGFS ET D'ADN-PK POUR LE TRAITEMENT DU CANCER**
[72] LAN, YAN, US
[72] XU, CHUNXIAO, US
[71] MERCK PATENT GMBH, DE
[85] 2020-11-02
[86] 2019-05-06 (PCT/EP2019/061558)
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[30] US (62/667,263) 2018-05-04

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[25] EN
[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] THOM, STEPHEN, GB
[72] MCPHERSON, CHRISTOPHER G., GB
[72] ALANINE, THOMAS, GB
[72] CARRILLO ARREGUI, JOKIN, GB
[72] CIANA, CLAIRE-LISE, GB
[72] SHANNON, JONATHAN, GB
[72] VAN WILTENBURG, JIMMY, NL
[72] DEN HARTOG, JACOBUS ANTONIUS JOSEPH, NL
[71] INFLAZOME LIMITED, IE
[85] 2020-11-02
[86] 2019-05-03 (PCT/EP2019/061439)
[87] (WO2019/211463)
[30] GB (1807362.7) 2018-05-04
[30] GB (1902329.0) 2019-02-20
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[51] **Int.Cl. F16L 21/035 (2006.01) B29C 53/08 (2006.01) B29D 23/00 (2006.01)**
[25] FR
[54] **PIPE COMPRISING AN OPEN END COMPRISING AN OBLIQUE ABUTMENT SURFACE**
[54] **CANALISATION COMPORTANT UNE EXTREMITE OUVERTE COMPORTANT UNE SURFACE DE BUTEE OBLIQUE**
[72] PERHERIN, DANIEL, FR
[71] STELIA AEROSPACE, FR
[85] 2020-11-02
[86] 2019-05-22 (PCT/EP2019/063255)
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[30] FR (1854443) 2018-05-25

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[54] **AEROSOL GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**
[72] ROGAN, ANDREW ROBERT JOHN, GB
[72] HASEGAWA, TAKASHI, JP
[72] GARCIA GARCIA, EDUARDO JOSE, CH
[71] JT INTERNATIONAL SA, CH
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[86] 2019-05-15 (PCT/EP2019/062478)
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[25] EN
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[54] **ARTICLE DE GENERATION D'AEROSOL, PROCEDE DE FABRICATION D'ARTICLE DE GENERATION D'AEROSOL ET SYSTEME DE GENERATION D'AEROSOL**
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[71] JT INTERNATIONAL SA, CH
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[54] **SYSTEME DE GENERATION D'AEROSOL**
[72] ROGAN, ANDREW ROBERT JOHN, GB
[72] HASEGAWA, TAKASHI, JP
[72] GARCIA GARCIA, EDUARDO JOSE, CH
[71] JT INTERNATIONAL SA, CH
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[54] **INSULATING GLAZING UNIT**
[54] **ENSEMBLE VITRAGE ISOLANT**
[72] HOLTSTIEGE, THOMAS, DE
[72] DROGE, ALICIA, DE
[72] EFFERTZ, CHRISTIAN, DE
[72] MARJAN, CHRISTOPHER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **SYSTEM AND APPLICABLE METHODS OF COLLECTING ITEMS FROM STORAGE CONTAINERS USING ROBOTIC OPERATOR**
[54] **SYSTEME ET PROCEDES APPLICABLES DE COLLECTE D'ARTICLES A PARTIR DE CONTENEURS DE STOCKAGE A L'AIDE D'UN OPERATEUR ROBOTIQUE**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-11-02
[86] 2019-06-11 (PCT/EP2019/065145)
[87] (WO2019/238641)
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[54] **CLOSURE FOR A BIOLOGICAL FLUID COLLECTION DEVICE**
[54] **FERMETURE POUR DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE**
[72] TORRIS, ANTHONY V., US
[72] CRAWFORD, JAMIESON W., SE
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **INSULATING GLAZING UNIT**
[54] **ENSEMBLE VITRAGE ISOLANT**
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[72] DROGE, ALICIA, DE
[72] EFFERTZ, CHRISTIAN, DE
[72] MARJAN, CHRISTOPHER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **NEUROSTEROID DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE NEUROSTEROIDES ET LEURS UTILISATIONS**
[72] BRYSON, NATHAN, CA
[72] SHARMA, AVINASH CHANDER, CA
[71] ACERUS PHARMACEUTICALS CORPORATION, CA
[85] 2020-11-02
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[25] EN
[54] **PHARMACEUTICAL COMBINATIONS OF ZONISAMIDE AND PRAXIPEXOLE, AND RELATED METHODS, FOR TREATING SYNUCLEINOPATHIES**
[54] **COMBINAISONS PHARMACEUTIQUES DE ZONISAMIDE ET DE PRAXIPEXOLE, ET PROCEDES ASSOCIES, POUR LE TRAITEMENT DE SYNUCLEINOPATHIES**
[72] CHASE, THOMAS N., US
[72] CLARENCE-SMITH, KATHLEEN E., US
[71] CHASE THERAPEUTICS CORPORATION, US
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[54] **PACKING MATERIAL CARTRIDGE**
[54] **CARTOUCHE DE MATERIAU D'EMBALLAGE**
[72] MAHONEY, PHILIP MICHAEL, US
[72] FLAHERTY, ALBERT P., US
[72] COLE, GREGORY A., US
[71] A.W. CHESTERTON COMPANY, US
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[54] **SYSTEME DE GUIDAGE INFRAROUGE PASSIF**
[72] CHASE, ARNOLD, US
[71] CHASE, ARNOLD, US
[85] 2020-11-02
[86] 2019-04-16 (PCT/US2019/027589)
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[25] EN
[54] **NOVEL SULFONAMIDE DERIVATIVES HAVING SELECTIVE NOX INHIBITING ACTIVITY**
[54] **NOUVEAUX DERIVES DE SULFONAMIDE PRESENTANT UNE ACTIVITE INHIBITRICE SELECTIVE DE NOX**
[72] WIKSTROM, PER, SE
[72] WALUM, ERIK, SE
[71] GLUCOX BIOTECH AB, SE
[85] 2020-11-02
[86] 2019-05-09 (PCT/EP2019/061950)
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[54] **APPARATUS AND METHOD FOR CONTROLLED ALUMINA SUPPLY**
[54] **APPAREIL ET PROCEDE D'ALIMENTATION EN ALUMINE REGULEE**
[72] SORHUUS, ANDERS KENNETH, NO
[72] OSE, SIVERT, NO
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
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[25] FR
[54] **DEVICE AND METHOD FOR SHAPING A BLANK FOR THE FORMING OF A THERMOPLASTIC STRUCTURAL PART**
[54] **DISPOSITIF ET PROCEDE DE MISE EN FORME D'UNE PIECE D'EBAUCHE POUR LA FORMATION D'UNE PIECE THERMOPLASTIQUE STRUCTURELLE**
[72] MAGNIN, PIERRE, FR
[71] STELIA AEROSPACE, FR
[85] 2020-11-02
[86] 2019-05-22 (PCT/EP2019/063261)
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[54] **APPARATUS AND METHOD FOR DIAGNOSING VESSEL OCCLUSION**
[54] **APPAREIL ET METHODE POUR DIAGNOSTIQUER UNE OCCLUSION DE VAISSEAUX**
[72] LOH, YINCE, US
[71] LOH, YINCE, US
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[54] **USE OF PEPTIDYLARGININE DEIMINASE TO OBTAIN IMPROVED SWEET PROTEIN**
[54] **UTILISATION DE PEPTIDYLARGININE DESIMINASE POUR OBTENIR UNE PROTEINE SUCREE AMELIOREE**
[72] VLASIE, MONICA DIANA, NL
[72] VAN DEN BERG, MARCO ALEXANDER, NL
[71] DSM IP ASSETS B.V., NL
[85] 2020-11-02
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[54] **SYSTEME DE MESURE DE TEMPERATURE SANS FIL**
[72] PULVERMACHER, RONALD J., US
[72] PULVERMACHER, DAVID J., US
[72] WEIER, DONALD E.Z., US
[72] WOODBURY, KERRY, US
[71] MATRIX PRODUCT DEVELOPMENT, INC., US
[85] 2020-11-02
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[54] **PASSIVE INFRA-RED PEDESTRIAN DETECTION AND AVOIDANCE SYSTEM**
[54] **SYSTEME PASSIF DE DETECTION ET D'EVITEMENT DE PIETON INFRAROUGE PASSIF**
[72] CHASE, ARNOLD, US
[71] CHASE, ARNOLD, US
[85] 2020-11-02
[86] 2019-04-16 (PCT/US2019/027594)
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[51] **Int.Cl. B60B 5/02 (2006.01) B29C 70/00 (2006.01) B60B 3/10 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SPOKE STAR FROM CONTINUOUS FIBRE/PLASTIC COMPOSITE**
[54] **PROCEDE DE FABRICATION D'UNE ETOILE A RAYURES EN COMPOSITE DE FIBRES PLASTIQUES**
[72] BUCKER, MARCEL, DE
[71] INSTITUT FUR VERBUNDWERKSTOFFE GMBH, DE
[85] 2020-11-02
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[30] DE (10 2018 113 797.4) 2018-06-09

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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
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[54] **STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-11-02
[86] 2019-06-11 (PCT/EP2019/065233)
[87] (WO2019/238694)
[30] NO (20180813) 2018-06-12
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[25] EN
[54] **ENGINEERING WHEAT WITH INCREASED DIETARY FIBER**
[54] **BLE MODIFIE AYANT UNE PLUS GRANDE QUANTITE DE FIBRE ALIMENTAIRE**
[72] BALTES, NICHOLAS, US
[72] GIL HUMANES, JAVIER, US
[71] CELLECTIS, FR
[85] 2020-11-02
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[25] EN
[54] **POLYNUCLEOTIDE SYNTHESIS METHOD, SYSTEM AND KIT**
[54] **PROCEDE, SYSTEME ET KIT DE SYNTHESE DE POLYNUCLEOTIDES**
[72] MILTON, JOHN, GB
[72] NAYYAR, SOBIA, GB
[72] RIEDL, JAN, GB
[72] OGAKI, RYOSUKE, GB
[71] OXFORD NANOPORE TECHNOLOGIES LIMITED, GB
[85] 2020-11-02
[86] 2019-05-23 (PCT/GB2019/051423)
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[54] **CLIENT MANAGED DATA BACKUP PROCESS WITHIN AN ENTERPRISE INFORMATION MANAGEMENT SYSTEM**
[54] **PROCESSUS DE SAUVEGARDE DE DONNEES GERE PAR UN CLIENT DANS UN SYSTEME DE GESTION D'INFORMATIONS D'ENTREPRISE**
[72] PRADHAN, MANOJ KUMAR, US
[72] MISHRA, HEMANT, US
[72] ZAKHARKIN, DMITRIY BORISOVICH, US
[72] KUMAR, SANATH, US
[72] JOSHI, HETALKUMAR N., US
[72] TELAGAMSETTI, SUNIL BABU, US
[72] RADHAKRISHNAN, DIVAKAR, US
[72] YAKKALA, JAYASREE, US
[72] SIVADAS, ROHIT, US
[72] BEDADALA, PAVAN KUMAR REDDY, US
[72] VENUGOPALSAMY, GOPIKANNAN, US
[71] COMMVAULT SYSTEMS, INC., US
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[86] 2019-04-30 (PCT/US2019/029876)
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[30] US (15/969,716) 2018-05-02
[30] US (15/969,719) 2018-05-02
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[54] **REVERSE ACID AND HYDROCARBON CASCADING IN ALKYLATION**
[54] **CASCADE D'HYDROCARBURE ET D'ACIDE INVERSE EN ALKYLATION**
[72] LIU, ZAN, US
[72] LOEZOS, PETER, US
[72] MEDINA, JACKELINE, US
[72] LEMOINE, ROMAIN, US
[71] LUMMUS TECHNOLOGY LLC, US
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[54] **RECEPTEURS DE LYMPHOCYTES T RECONNAISSANT UN EGFR MUTE**
[72] HANADA, KENICHI, US
[72] ZHAO, CHIHAO, US
[72] PASETTO, ANNA, SE
[72] YANG, JAMES C., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[86] 2019-05-01 (PCT/US2019/030108)
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[54] **UAV-BASED ACOUSTIC TECHNIQUE FOR MAPPING DEFECTS IN CIVIL INFRASTRUCTURE**
[54] **TECHNIQUE ACOUSTIQUE UTILISANT DES VEHICULES AERIENS SANS PILOTE POUR CARTOGRAPHIER DES DEFAUTS DANS UNE INFRASTRUCTURE CIVILE**
[72] GUPTA, RISHI, CA
[72] RATHOD, HARSH, CA
[71] UVIC INDUSTRY PARTNERSHIPS INC., CA
[85] 2020-11-02
[86] 2019-05-03 (PCT/IB2019/053618)
[87] (WO2019/211800)
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[51] **Int.Cl. C09D 163/00 (2006.01) B01J 31/04 (2006.01) B05D 3/00 (2006.01) C08F 8/00 (2006.01) C08F 20/10 (2006.01) C08G 59/32 (2006.01) C08G 59/40 (2006.01) C08G 59/68 (2006.01) C08G 63/00 (2006.01) C08G 63/91 (2006.01) C08J 3/24 (2006.01) C08L 33/08 (2006.01) C08L 33/14 (2006.01) C08L 67/00 (2006.01) C08L 67/06 (2006.01) C09D 5/08 (2006.01) C09D 167/02 (2006.01)**
[25] EN
[54] **CORROSION-RESISTANT PRIMER AND TOPCOAT COMPOSITION**
[54] **APPRET RESISTANT A LA CORROSION ET COMPOSITION DE COUCHE DE FINITION**
[72] LINDQUIST, JASON, US
[72] NESS, JASON, US
[72] HEWUSE, JOSH, US
[72] EDDINGTON, GARRY, US
[72] DEBROY, TAPAN, US
[72] GALLAGHER, JAMES, US
[71] SWIMC LLC, US
[85] 2020-11-02
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[25] EN
[54] **METHODS OF THREE-DIMENSIONAL PRINTING FOR FABRICATING A DENTAL APPLIANCE**
[54] **PROCEDES D'IMPRESSION TRIDIMENSIONNELLE POUR LA FABRICATION D'UN APPAREIL DENTAIRE**
[72] HASAN, MD ABU, US
[72] AMMON, DAN, US
[71] DENTSPLY SIRONA INC., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030535)
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[30] US (62/666,396) 2018-05-03

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[25] EN
[54] **ILLUMINATION UNIT WITH MULTIPLE LIGHT SOURCES FOR GENERATING A UNIFORM ILLUMINATION SPOT**
[54] **UNITE D'ECLAIRAGE AVEC DE MULTIPLES SOURCES DE LUMIERE POUR GENERER UN POINT D'ECLAIRAGE UNIFORME**
[72] JASPERSE, JEFFREY R., US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030549)
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[30] US (62/666,913) 2018-05-04

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[51] **Int.Cl. B64C 39/02 (2006.01) B64F 1/02 (2006.01)**
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[54] **BASE OF STATIONING AND AUTOMATIC MANAGEMENT FOR DRONES**
[54] **BASE DE STATIONNEMENT ET DE GESTION AUTOMATIQUE POUR DRONES**
[72] BALLERINI, MARCO, IT
[71] DRONUS S.P.A., IT
[71] BALLERINI, MARCO, IT
[85] 2020-11-02
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[51] **Int.Cl. G16H 20/17 (2018.01)**
[25] EN
[54] **SAFETY CONSTRAINTS FOR A CONTROL ALGORITHM-BASED DRUG DELIVERY SYSTEM**
[54] **CONTRAINTES DE SECURITE POUR UN SYSTEME D'ADMINISTRATION DE MEDICAMENT BASE SUR UN ALGORITHME DE COMMANDE**
[72] O'CONNOR, JASON, US
[72] LEE, JOON BOK, US
[72] LY, TRANG, US
[72] ZHENG, YIBIN, US
[72] PEYSER, THOMAS ARNOLD, US
[72] SCHNEIDER, JENNIFER LENA, US
[71] INSULET CORPORATION, US
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[30] US (62/667,118) 2018-05-04

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[51] **Int.Cl. A61M 5/145 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SYRINGE HANDLING**
[54] **SYSTEMES ET PROCEDES DE MANIPULATION DE SERINGUE**
[72] PETERSON, BENJAMIN, US
[72] DOBROBOLNY, WALTER, US
[72] SANBORN, JONATHAN, US
[72] MADDEN, HENRY, US
[72] PLAGER, STEVEN, US
[72] LACY, CHRISTOPHER, US
[72] KRAUTBAUER, KEVIN, US
[72] BABCOCK, DENNIS, US
[72] SIBIK, DEAN, US
[72] HORRISBERGER, BENN, US
[72] ADAMS, GRANT, US
[72] SCHULTE, SETH, US
[71] SMITHS MEDICAL ASD, INC., US
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[54] **SALTS OF AN FGFR INHIBITOR**
[54] **SELS D'UN INHIBITEUR DE FGFR**
[72] JIA, ZHONGJIANG, US
[72] ZHOU, JIACHENG, US
[72] LI, QUN, US
[71] INCYTE CORPORATION, US
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[54] **KRAS G12C INHIBITORS AND METHODS OF USING THE SAME**
[54] **INHIBITEURS DE KRAS G12C ET LEURS PROCEDES D'UTILISATION**
[72] WURZ, RYAN PAUL, US
[72] CEE, VICTOR J., US
[72] AMEGADZIE, ALBERT, US
[72] CHEN, NING, US
[72] LANMAN, BRIAN ALAN, US
[72] BARTBERGER, MICHAEL D., US
[71] AMGEN INC., US
[85] 2020-11-02
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[30] US (62/667,314) 2018-05-04

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[25] EN
[54] **RECOMBINANT MILK PROTEIN POLYMERS**
[54] **POLYMERES DE PROTEINES LACTIQUES DE RECOMBINAISON**
[72] GEISTLINGER, TIMOTHY, US
[72] JHALA, RAVIRAJSINH, US
[72] OOMMEN, BONNEY, US
[72] RAMESH, BALAKRISHNAN, US
[71] PERFECT DAY, INC., US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/030031)
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[30] US (62/664,586) 2018-04-30

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[54] **SYSTEMS AND METHODS FOR IMPROVED MIXING**
[54] **SYSTEMES ET PROCEDES POUR UN MELANGE AMELIORE**
[72] PRICE, RALPH J., US
[72] DOOLEY, KENNETH A., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2020-11-02
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[30] US (15/980,025) 2018-05-15

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[54] **AUTOMATED ISOLATION OF VIABLE MITOCHONDRIA**
[54] **ISOLEMENT AUTOMATISE DE MITOCHONDRIES VIABLES**
[72] MCCULLY, JAMES D., US
[72] COWAN, DOUGLAS B., US
[72] DEL NIDO, PEDRO J., US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2020-11-02
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[30] US (62/668,358) 2018-05-08

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[54] **TENSIONING DEVICE**
[54] **DISPOSITIF DE MISE SOUS TENSION**
[72] SQUIRES, TIMOTHY P., US
[72] HANNA, RONALD J., US
[72] LAMB, KENNETH J., US
[72] BULLARD, JOSEPH KRUMME, US
[71] SQUIRES, TIMOTHY P., US
[71] HANNA, RONALD J., US
[71] LAMB, KENNETH J., US
[71] BULLARD, JOSEPH KRUMME, US
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[30] US (62/665,053) 2018-05-01

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[25] EN
[54] **LUMIPHOR-CONVERTED SOLID STATE LIGHTING DEVICES PROVIDING SPECTRAL POWER DISTRIBUTION WITH ENHANCED PERCEIVED BRIGHTNESS**
[54] **DISPOSITIFS D'ECLAIRAGE A SEMI-CONDUCTEURS CONVERTIS PAR LUMINOPHORE FOURNISSANT UNE DISTRIBUTION DE PUISSANCE SPECTRALE AVEC UNE MEILLEURE LUMINOSITE PERCUE**
[72] ZHANG, FAN, US
[72] GRESBACK, RYAN, US
[72] IBBETSON, JAMES, US
[72] KELLER, BERND, US
[72] VAN DE VEN, ANTONY, CN
[71] IDEAL INDUSTRIES LIGHTING LLC, US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030626)
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[25] EN
[54] **HYBRID POWER SYSTEM AND CONTROL METHOD**
[54] **SYSTEME D'ALIMENTATION ET PROCEDE DE COMMANDE HYBRIDE**
[72] BISKEY, JONATHAN, CA
[72] COCKTON, RYAN, CA
[72] ENGELMANN, CARL, CA
[72] KINSELLA, JOSEPH, CA
[72] MCROBERTS, MATTHEW, CA
[71] PEGASUS AERONAUTICS CORPORATION, CA
[85] 2020-11-02
[86] 2019-05-09 (PCT/IB2019/053832)
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[54] **BLUETOOTH RADIO MODULE WITH REAL TIME CLOCK**
[54] **MODULE RADIO TM BLUETOOTH AYANT UNE HORLOGE EN TEMPS REEL**
[72] WEBER, THEODORE E., US
[72] RHODES, BRUCE, US
[72] BAILEY, CHRISTOPHER LANE, US
[72] ROSENAU, MARK, US
[72] GAZA, BRIAN, US
[71] HUBBELL INCORPORATED, US
[85] 2020-10-30
[86] 2019-05-01 (PCT/US2019/030151)
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[54] **ALTERATIONS IN ENDOTHELIN RECEPTORS FOLLOWING HEMORRHAGE AND RESUSCITATION BY CENTHAQUIN**
[54] **ALTERATIONS DES RECEPTEURS DE L'ENDOTHELINE SUITE A UNE HEMORRAGIE ET UNE REANIMATION PAR CENTHAQUINE**
[72] GULATI, ANIL, US
[72] LAVHALE, MANISH, IN
[72] KATIA, BHAWNA, IN
[72] SINGH, ABHISHEK KUMAR, IN
[71] MIDWESTERN UNIVERSITY, US
[71] PHARMAZZ, INC., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030652)
[87] (WO2019/213558)
[30] US (62/666,675) 2018-05-03
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[25] EN
[54] **ANIMAL FEED PRODUCTS CONTAINING PERCARBONATE AND METHODS OF FEEDING SAME**
[54] **PRODUITS ALIMENTAIRES POUR ANIMAUX CONTENANT DU PERCARBONATE ET PROCEDES D'ALIMENTATION DE CEUX-CI**
[72] MILLER, BILL L., US
[72] EARLEYWINE, THOMAS, US
[72] MUSSER, ROBERT C., US
[72] STEELMAN, SAMANTHA, US
[71] PURINA ANIMAL NUTRITION LLC, US
[85] 2020-10-30
[86] 2019-05-01 (PCT/US2019/030179)
[87] (WO2019/213240)
[30] US (15/969,439) 2018-05-02

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[51] **Int.Cl. A01N 43/40 (2006.01) C07D 405/04 (2006.01)**
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[54] **4-AMINO-6-(1,3-BENZODIOXOLE)PICOLINATES AND THEIR USE AS HERBICIDES**
[54] **4-AMINO-6-(1,3-BENZODIOXOLE) PICOLINATES ET LEUR UTILISATION COMME HERBICIDES**
[72] KISTER, JEREMY, US
[72] SATCHIVI, NORBERT M., US
[72] SIDDALL, THOMAS L., US
[72] HORTY, LINDSEY G., US
[72] NIYAZ, NOORMOHAMED M., US
[72] EPP, JEFFREY B., US
[71] DOW AGROSCIENCES LLC, US
[85] 2020-11-02
[86] 2019-05-09 (PCT/US2019/031428)
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[30] US (62/670,538) 2018-05-11

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[51] **Int.Cl. A23L 33/12 (2016.01) A23K 20/147 (2016.01) A23K 20/158 (2016.01) A23K 50/40 (2016.01) A23L 33/00 (2016.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR INCREASING KETONE BODIES IN ANIMALS**
[54] **PROCEDES ET COMPOSITIONS POUR L'AUGMENTATION DE CORPS CETONIQUES CHEZ DES ANIMAUX**
[72] PAN, YUANLONG, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-11-02
[86] 2019-06-04 (PCT/IB2019/054638)
[87] (WO2019/234628)
[30] US (62/681,873) 2018-06-07

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[51] **Int.Cl. A61B 17/16 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **POWERED SURGICAL DRILL HAVING TRANSDUCER ASSEMBLY INCLUDING AT LEAST TWO ROTATION SENSOR DEVICES FOR USE IN DETERMINING BORE DEPTH OF A DRILLED HOLE**
[54] **PERCEUSE CHIRURGICALE MOTORISEE AYANT UN ENSEMBLE DE TRANSDUCTEUR COMPRENANT AU MOINS DEUX DISPOSITIFS DE CAPTEUR DE ROTATION DESTINES A ETRE UTILISES DANS LA DETERMINATION DE LAPROFONDEUR D'ALESAGE D'UN TROU FORE**
[72] CARUSILLO, STEVE, US
[71] STRYKER CORPORATION, US
[85] 2020-10-30
[86] 2019-05-01 (PCT/US2019/030180)
[87] (WO2019/213241)
[30] US (62/665,024) 2018-05-01

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[51] **Int.Cl. F04B 9/02 (2006.01) F04B 9/103 (2006.01) F04B 9/109 (2006.01) F04B 9/123 (2006.01) F04B 9/129 (2006.01) F04B 15/02 (2006.01) F04B 17/03 (2006.01)**
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[54] **HIGH-PRESSURE HOMOGENISER**
[54] **HOMOGENEISATEUR HAUTE PRESSION**
[72] MANFREDI, MICHELE, IT
[72] BENASSI, MASSIMILIANO, IT
[72] MAGGI, LEONARDO, IT
[72] BANDINI, CESARE, IT
[71] GEA MECHANICAL EQUIPMENT ITALIA S.P.A., IT
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[30] IT (102018000007789) 2018-08-02
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[25] EN
[54] **SYSTEMS FOR REDUCING NOISE DURING ENGINE SHUTDOWN**
[54] **SYSTEMES DE REDUCTION DU BRUIT PENDANT L'ARRET D'UN MOTEUR**
[72] GERTY, MICHAEL D., US
[72] VADLAMANI, UDAY, US
[71] PACCAR INC, US
[85] 2020-11-02
[86] 2019-05-09 (PCT/US2019/031543)
[87] (WO2019/217695)
[30] US (15/975,586) 2018-05-09

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[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **PERFUSION BIOREACTOR WITH FILTRATION SYSTEMS**
[54] **BIOREACTEUR DE PERFUSION POURVU DE SYSTEMES DE FILTRATION**
[72] LU, JIUYI, US
[72] WALTHER, JASON, US
[72] WANG, JONATHAN, US
[72] CHEN, KEVIN VICTOR, US
[71] GENZYME CORPORATION, US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030661)
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[30] US (62/667,319) 2018-05-04

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[13] A1
[51] **Int.Cl. B01D 15/04 (2006.01) B01J 47/11 (2017.01)**
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[54] **ROTATING BED APPARATUS AND METHODS FOR USING SAME**
[54] **APPAREIL A LIT ROTATIF ET PROCEDES D'UTILISATION DE CELUI-CI**
[72] SYLVESTER, PAUL, US
[72] MILNER, TIMOTHY, US
[72] HENDRICKS, SCOTT, US
[72] BROTHERHOOD, CORIN, US
[72] GROOM, JACK, US
[71] ATKINS ENERGY PRODUCTS & TECHNOLOGY, LLC, US
[85] 2020-10-30
[86] 2019-05-01 (PCT/US2019/030238)
[87] (WO2019/213288)
[30] US (62/665,477) 2018-05-01

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[51] **Int.Cl. B60K 6/20 (2007.10) B60K 25/02 (2006.01) B60W 10/08 (2006.01) F02D 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS CYLINDER DEACTIVATION IN INTERNAL COMBUSTION ENGINES**
[54] **SYSTEMES ET PROCEDES DE DESACTIVATION DES CYLINDRES DANS DES MOTEURS A COMBUSTION INTERNE**
[72] GERTY, MICHAEL D., US
[72] VADLAMANI, UDAY, US
[72] MCKINNON, KIMBERLY D., US
[71] PACCAR INC, US
[85] 2020-11-02
[86] 2019-05-09 (PCT/US2019/031554)
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[30] US (15/975,616) 2018-05-09

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[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/5513 (2006.01) A61P 35/00 (2006.01) C07D 243/38 (2006.01) C07D 401/12 (2006.01) C07F 9/645 (2006.01)**
[25] EN
[54] **MODULATORS OF ORPHAN NUCLEAR RECEPTORS FOR NASH AND OTHER METABOLIC DISORDERS**
[54] **MODULATEURS DES RECEPTEURS NUCLEAIRES ORPHELINS POUR LA SHNA ET D'AUTRES TROUBLES METABOLIQUES**
[72] SCHINAZI, RAYMOND, F., US
[72] COX, BRYAN, US
[72] CHAI, CHOFIT, IL
[72] GILADI, HILLA, IL
[72] GALUN, EITHAN, IL
[72] AMBLARD, FRANCK, US
[71] EMORY UNIVERSITY, US
[71] HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD., IL
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030680)
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[30] US (62/666,288) 2018-05-03

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[25] EN
[54] **DERMAL FILLERS AND APPLICATIONS THEREOF**
[54] **CHARGES DERMIQUES ET APPLICATIONS DE CELLES-CI**
[72] SHOSEYOV, ODED, IL
[72] ORR, NADAV, IL
[72] SEROR MAKNOUZ, JASMINE, IL
[72] ZARKA, REVITAL, IL
[71] COLLPLANT LTD., IL
[85] 2020-11-02
[86] 2019-05-02 (PCT/IL2019/050492)
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[30] US (62/666,267) 2018-05-03

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[51] **Int.Cl. C10G 3/00 (2006.01) B01F 3/04 (2006.01) C07C 67/08 (2006.01) C07C 67/48 (2006.01) C11C 3/04 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PRODUCING BIODIESEL, DIESEL-RANGE HYDROCARBONS, AND PRODUCTS OBTAINED THEREFROM**
[54] **PROCEDES ET DISPOSITIFS POUR LA PRODUCTION DE BIODIESEL, D'HYDROCARBURES DE TYPE DIESEL, ET PRODUITS OBTENUS A PARTIR DE CEUX-CI**
[72] WHITE, JAMES MATTHEW, US
[72] SLADE, DAVID A., US
[72] HAVERLY, MARTIN R., US
[72] ABHARI, RAMIN, US
[72] ELLENS, CODY J., US
[71] RENEWABLE ENERGY GROUP, INC., US
[85] 2020-10-30
[86] 2019-05-01 (PCT/US2019/030240)
[87] (WO2019/213290)
[30] US (62/666,503) 2018-05-03

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[13] A1
[51] **Int.Cl. C04B 28/00 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE GLOSSY FINISH GREEN HYBRID COMPOSITES WITH VARIABLE DENSITY AND AN IMPROVED PROCESS FOR MAKING THEREOF**
[54] **COMPOSITES HYBRIDES VERTS DE FINITION BRILLANTE A HAUTE PERFORMANCE A DENSITE VARIABLE ET PROCEDE AMELIORE DE FABRICATION DE CEUX-CI**
[72] ASOKAN, PAPPU, IN
[72] GUPTA, MANOJ KUMAR, IN
[72] MISHRA, ALKA, IN
[72] PETERS, EDWARD, IN
[72] KULSHRESHTH, AJAY, IN
[72] RATHORE, SANJAI KUMAR SINGH, IN
[72] SRIVASTAVA, AVANISH KUMAR, IN
[71] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, IN
[85] 2020-11-02
[86] 2019-02-09 (PCT/IN2019/050107)
[87] (WO2019/211862)
[30] IN (201811016873) 2018-05-04

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[51] **Int.Cl. A61K 35/02 (2015.01) A23L 2/52 (2006.01) A61J 1/05 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **MINERAL PITCH RESIN PRODUCTS AND METHODS OF MANUFACTURING THE PRODUCTS**
[54] **PRODUITS DE RESINE DE BRAI MINERAL ET PROCEDES DE FABRICATION DES PRODUITS**
[72] RIZUN, NODARI, US
[71] RIZUN, NODARI, US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030697)
[87] (WO2019/213593)
[30] US (62/667,327) 2018-05-04
[30] US (16/167,200) 2018-10-22

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[13] A1
[51] **Int.Cl. H04B 1/44 (2006.01) H01Q 1/24 (2006.01) H01Q 13/20 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **WIDEBAND MATCHING CO-DESIGN OF TRANSMIT/RECEIVE (T/R) SWITCH AND RECEIVER FRONTEND FOR A BROADBAND MIMO RECEIVER FOR MILLIMETER-WAVE 5G COMMUNICATION**
[54] **CO-CONCEPTION AVEC ADAPTATION LARGE BANDE DE COMMUTATEUR D'EMISSION/RECEPTION (TX/RX) ET DE CIRCUIT FRONTAL DE RECEPTEUR, RELATIVE A UN RECEPTEUR MIMO A LARGE BANDE POUR UNE COMMUNICATION 5G A ONDES MILLIMETRIQUES**
[72] HUANG, MIN-YU, US
[72] WANG, HUA, US
[72] CHEN, THOMAS, US
[72] CHI, TAIYUN, US
[71] SWIFTLINK TECHNOLOGIES, INC., CA
[85] 2020-11-02
[86] 2019-04-24 (PCT/US2019/029014)
[87] (WO2020/036641)
[30] US (15/980,449) 2018-05-15

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[51] **Int.Cl. G06F 21/00 (2013.01) H04L 9/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **VERIFICATION SYSTEM**
[54] **SYSTEME DE VERIFICATION**
[72] PHILLIPS, KEVIN ROBERT, US
[71] VISITLOCK LLC, US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/030024)
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[30] US (15/966,074) 2018-04-30

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[51] **Int.Cl. G16H 40/20 (2018.01)**
[25] EN
[54] **PEER COMMUNITY BASED ANOMALOUS BEHAVIOR DETECTION**
[54] **DETECTION DE COMPORTEMENT ANORMAL A BASE DE COMMUNAUTE DE PAIRS**
[72] NAG, ABHIKESH, US
[72] YAMAGA, CYNTHIA, US
[71] CAREFUSION 303, INC., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030718)
[87] (WO2019/213607)
[30] US (62/667,409) 2018-05-04

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[13] A1
[51] **Int.Cl. B65B 51/10 (2006.01) B65B 51/14 (2006.01)**
[25] EN
[54] **HEAT SEAL DEVICE**
[54] **DISPOSITIF DE THERMOSCELLAGE**
[72] OHNISHI, YUJI, JP
[71] TOTANI CORPORATION, JP
[85] 2020-11-02
[86] 2019-04-23 (PCT/JP2019/017252)
[87] (WO2019/225266)
[30] JP (2018-097210) 2018-05-21

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[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/18 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 223/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF THE RAS ONCOPROTEIN, METHODS OF MAKING AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE L'ONCOPROTEINE RAS, LEURS PROCEDES DE PREPARATION ET LEURS METHODES D'UTILISATION**
[72] CLARK, GEOFFREY J., US
[72] TRENT, JOHN O., US
[72] BURLSON, JOSEPH A., US
[71] THE UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US
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[54] **LIQUID DETECTING ARTICLE AND METHOD OF MAKING SAME**
[54] **ARTICLE DE DETECTION DE LIQUIDE ET SON PROCEDE DE FABRICATION**
[72] ETCHELLS, MARC D., US
[72] MAYFIELD, WALTER G., US
[71] DRY SEE LLC, US
[85] 2020-11-02
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[87] (WO2019/213609)
[30] US (62/667,303) 2018-05-04
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[54] **SUBSTITUTED HETEROCYCLIC INHIBITORS OF PTPN11**
[54] **INHIBITEURS HETEROCYCLIQUES SUBSTITUES DE PTPN11**
[72] JONES, PHILIP, US
[72] CROSS, JASON, US
[72] BURKE, JASON, US
[72] MCAFOOS, TIMOTHY, US
[72] KANG, ZHIJUN, US
[71] NAVIRE PHARMA, INC., US
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[86] 2019-05-01 (PCT/US2019/030277)
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[54] **MCL-1 INHIBITORS**
[54] **INHIBITEURS DE MCL-1**
[72] CHU, HANG, US
[72] GUERRERO, JUAN A., US
[72] HURTLEY, ANNA E., US
[72] HWANG, TAE H., US
[72] JIANG, LAN, US
[72] KATO, DARRYL, US
[72] KOBAYASHI, TETSUYA, US
[72] KNOX, JOHN E., US
[72] LAZERWITH, SCOTT E., US
[72] LI, XIAOFEN, US
[72] LIN, DAVID W., US
[72] MEDLEY, JONATHAN W., US
[72] MITCHELL, MICHAEL L., US
[72] NADUTHAMBI, DEVAN, US
[72] NEWBY, ZACHARY, US
[72] SQUIRES, NEIL H., US
[72] TSUI, VICKIE H., US
[72] VENKATARAMANI, CHANDRASEKAR, US
[72] WATKINS, WILLIAM J., US
[72] YANG, HONG, US
[71] GILEAD SCIENCES, INC., US
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[25] EN
[54] **IDENTIFICATION OF RARE PRODUCTS OF CROSSING ORGANISMS**
[54] **IDENTIFICATION DE PRODUITS RARES D'ORGANISMES HYBRIDES**
[72] DE VRIES, ARTHUR ROELOF GORTER, NL
[72] KOSTER, CHARLOTTE CATHARINA, NL
[72] DARAN, JEAN-MARC GEORGES, NL
[72] GEERTMAN, JAN-MAARTEN, NL
[72] KUIJPERS, NIELS GERARD ADRIAAN, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
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[25] EN
[54] **CARRIER FOR ADSORBING ORGANIC MATTER**
[54] **SUPPORT D'ADSORPTION DE MATIERE ORGANIQUE**
[72] KANDA, SHUNGO, JP
[72] SHIMADA, KAORU, JP
[72] KOMACHI, SHUNSUKE, JP
[72] TAKAHASHI, HIROSHI, JP
[72] YAMANAKA, HIROFUMI, JP
[72] MASUDA, MASATO, JP
[71] TORAY INDUSTRIES, INC., JP
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[86] 2019-07-05 (PCT/JP2019/026762)
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[30] JP (2018-143340) 2018-07-31

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[25] EN
[54] **ANTI-CANCER NUCLEAR HORMONE RECEPTOR-TARGETING COMPOUNDS**
[54] **COMPOSES CIBLANT DES RECEPTEURS HORMONAUX NUCLEAIRES ANTICANCEREUX**
[72] PHAM, SON MINH, US
[72] CHAKRAVARTY, SARVAJIT, US
[72] CHEN, JIYUN, US
[72] KANKANALA, JAYAKANTH, US
[72] BARDE, ANUP, IN
[72] NAYAK, ANJAN KUMAR, IN
[72] HUNG, DAVID, US
[71] NUVATION BIO INC., US
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[51] **Int.Cl. D02G 3/44 (2006.01) D03D 15/12 (2006.01)**
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[54] **FABRIC AND METHOD OF USING THE SAME**
[54] **TISSU ET SON PROCEDE D'UTILISATION**
[72] LI, SHULONG, US
[72] MAYERNIK, RICHARD A., US
[71] MILLIKEN & COMPANY, US
[85] 2020-11-02
[86] 2019-04-26 (PCT/US2019/029362)
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[51] **Int.Cl. A61K 6/90 (2020.01)**
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[54] **MACROMONOMER BASED LIGHT-CURABLE DENTAL IMPRESSION MATERIAL**
[54] **MATERIAU A EMPREINTE DENTAIRE PHOTODURCISSABLE A BASE DE MACROMONOMERE**
[72] JIN, XIAOMING, US
[72] ANGELETAKIS, CHRISTOS, US
[72] LIU, YI, US
[72] KLEE, JOACHIM E., DE
[72] WEBER, CHRISTOPH, DE
[72] HUO, XIN, US
[71] DENTSPLY SIRONA INC., US
[85] 2020-11-02
[86] 2019-05-17 (PCT/US2019/032804)
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[54] **CONCRETE FOUNDATION STRUCTURE AND METHOD FOR CONSTRUCTING SAME**
[54] **STRUCTURE DE FONDATION EN BETON ET PROCEDE DE CONSTRUCTION ASSOCIE**
[72] FUNAKOSHI, YUMIKO, JP
[72] NAGAYAMA, YU, JP
[71] PREX CO., LTD, JP
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[51] **Int.Cl. B32B 13/02 (2006.01) C04B 28/14 (2006.01) E04C 2/04 (2006.01)**
[25] EN
[54] **MULTI-LAYER GYPSUM BOARD AND RELATED METHODS AND SLURRIES**
[54] **PLAQUE DE PLATRE MULTICOUCHE, PROCEDES ASSOCIES ET BOUILLES**
[72] VILINSKA, ANNAMARIA, US
[72] LI, ALFRED C., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-11-02
[86] 2019-05-21 (PCT/US2019/033220)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTIBODIES WITH MODULATED GLYCAN PROFILES**
[54] **ANTICORPS PRESENTANT DES PROFILS DE GLYCANE MODULES**
[72] CROWELL, CHRISTOPHER KENYON, US
[72] WU, JIAN, US
[72] NAGI, ATHENA DENISE, US
[72] KITCHEN, NEIL ANTHONY, CA
[72] GILLESPIE, ALISON JEAN, US
[72] PETROVAN, SIMINA CRINA, US
[72] BRANDENSTEIN, MICHAEL CHARLES, US
[71] AMGEN INC., US
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[86] 2019-04-30 (PCT/US2019/029850)
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[25] EN
[54] **MULTI-LAYER GYPSUM BOARD AND RELATED METHODS AND SLURRIES**
[54] **PLAQUE DE PLATRE MULTICOUCHE ET PROCEDES ASSOCIES ET SUSPENSIONS EPAISSES**
[72] LI, QINGHUA, US
[72] SANG, YIJUN, US
[72] RISCHE, TREVOR S., US
[71] UNITED STATES GYPSUM COMPANY, US
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[86] 2019-05-21 (PCT/US2019/033285)
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[25] EN
[54] **PORTABLE GRINDING/SHREDDING/CHIPPING SYSTEM HAVING MANIPULABLE TRACK DRIVE AND OTHER IMPROVEMENTS**
[54] **SYSTEME DE BROYAGE/ DECHIQUETAGE/ LACERATION PORTATIF AYANT UN ENTRAINEMENT DE PISTE MANIPULABLE ET D'AUTRES AMELIORATIONS**
[72] RAGNARSSON, ANDERS, US
[71] TIGERCAT INDUSTRIES INC., CA
[85] 2020-11-02
[86] 2019-04-30 (PCT/US2019/029852)
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[54] **HYPOCHLOROUS ACID-BASED EYELID CLEANSERS**
[54] **NETTOYANTS DE PAUPIERE A BASE D'ACIDE HYPOCHLOREUX**
[72] ADKINS, NAT JR., US
[72] BARRATT, CYNTHIA, US
[72] MASON, THOMAS, US
[72] SARKAR, PARAMITA, US
[71] OCUSOFT, INC., US
[85] 2020-11-02
[86] 2019-05-01 (PCT/US2019/030210)
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[51] **Int.Cl. H04N 3/09 (2006.01) H04N 5/341 (2011.01) G01N 25/18 (2006.01) G01N 33/18 (2006.01) G01N 33/26 (2006.01) G21C 17/07 (2006.01) H04N 5/33 (2006.01)**
[25] EN
[54] **INFRARED IMAGING SYSTEMS AND METHODS FOR OIL LEAK DETECTION**
[54] **SYSTEMES D'IMAGERIE INFRAROUGE ET PROCEDES POUR LA DETECTION DES FUITES DE PETROLE**
[72] ISRAELSEN, MARK, US
[71] QUANTUM IR TECHNOLOGIES, LLC, US
[85] 2020-11-02
[86] 2019-05-01 (PCT/US2019/030226)
[87] (WO2019/213279)
[30] US (62/666,610) 2018-05-03

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[51] **Int.Cl. A61M 25/10 (2013.01) A61F 2/958 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **REMOVABLE VOLUME INDICATOR FOR SYRINGE**
[54] **INDICATEUR DE VOLUME AMOVIBLE POUR SERINGUE**
[72] TAMIR, ILAN, US
[72] BIALAS, MICHAEL R., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-11-02
[86] 2019-06-03 (PCT/US2019/035226)
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[30] US (62/680,980) 2018-06-05
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[25] EN
[54] **INFRARED IMAGING SYSTEMS AND METHODS FOR GAS LEAK DETECTION**
[54] **SYSTEMES D'IMAGERIE INFRAROUGE ET PROCEDES POUR DETECTION DE FUITE DE GAZ**
[72] ISRAELSEN, MARK, US
[71] QUANTUM IR TECHNOLOGIES, LLC, US
[85] 2020-11-02
[86] 2019-05-01 (PCT/US2019/030227)
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[30] US (62/666,614) 2018-05-03

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[51] **Int.Cl. A41B 9/12 (2006.01) A41B 9/00 (2006.01) A41D 27/12 (2006.01) B32B 5/08 (2006.01) D03D 11/00 (2006.01) H05K 9/00 (2006.01)**
[25] EN
[54] **UNDERGARMENTS WITH MULTI-LAYER BARRIERS TO LESSEN EMF/EMR/EHS EMITTING FEATURES AND MOISTURE MANAGEMENT PROPERTIES**
[54] **SOUS-VETEMENTS DOTES DE BARRIERES MULTICOUCHES POUR REDUIRE LES CARACTERISTIQUES D'EMISSION D'EMF/EMR/EHS ET PROPRIETES DE GESTION DE L'HUMIDITE**
[72] HARRELL, DELORES, US
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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-SIRP-BETA1 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-SIRP-BETA1 ET PROCEDES D'UTILISATION ASSOCIES**
[72] PINCETIC, ANDREW, US
[72] CULP, PATRICIA, US
[72] ROSENTHAL, ARNON, US
[71] ALECTOR LLC, US
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[86] 2019-06-28 (PCT/US2019/039757)
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[30] US (62/691,913) 2018-06-29

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0245 (2006.01)**
[25] EN
[54] **AUTOMATIC ANALYTE SENSOR CALIBRATION AND ERROR DETECTION**
[54] **ETALONNAGE DE CAPTEUR D'ANALYTE AUTOMATIQUE ET DETECTION D'ERREUR**
[72] GARCIA, ARTURO, US
[72] HALAC, JASON, US
[72] HUGHES, JONATHAN, US
[72] JACKSON, JEFF, US
[72] MA, RUI, US
[72] MITCHELL, JASON, US
[72] RONG, DAITING, US
[72] DAVIS, ANNA LEIGH, US
[72] HAMPAPURAM, HARI, US
[72] WANG, LIAN, US
[72] BHAVARAJU, NARESH C., US
[72] CLARK, BECKY L., US
[72] CRABTREE, VINCENT P., US
[72] DRING, CHRIS W., US
[72] JEPSON, LAUREN HRUBY, US
[72] LEE, DAVID I-CHUN, US
[72] LEE, TED TANG, US
[72] MCDANIEL, ZEBEDIAH L., US
[72] PAL, ANDREW ATTILA, US
[72] SHETH, DISHA B., US
[72] SIMPSON, PETER C., US
[72] VANSLYKE, STEPHEN J., US
[72] WIGHTLIN, MATTHEW D., US
[72] MANDAPAKA, ADITYA SAGAR, US
[72] TEETER, ALEXANDER LEROY, US
[71] DEXCOM, INC., US
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[25] EN
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[54] **DETECTEUR AYANT UNE CONSTRUCTION AMELIOREE**
[72] JUREK, RUSSELL, AU
[72] DELLAGIACOMA, DAVID, AU
[72] HUNTER, KEVIN, AU
[71] ADAPTAS SOLUTIONS PTY LTD, AU
[85] 2020-11-03
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[51] **Int.Cl. G06T 7/00 (2017.01)**
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[54] **CLASSIFICATION INFORMATIQUE DE TISSU BIOLOGIQUE**
[72] PAPAGIANNAKIS, EMMANOUIL, GB
[72] ATKINSON, ALASTAIR, GB
[71] DYSIS MEDICAL LIMITED, GB
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[25] FR
[54] **PROCEDE ET SYSTEME DE TRANSMISSION DE PAQUETS DE DONNEES A TRAVERS UN CANAL DE TRANSMISSION (RA) A ACCES ALEATOIRE**
[54] **METHOD AND SYSTEM FOR TRANSMITTING DATA PACKETS VIA A RANDOM ACCESS (RA) TRANSMISSION CHANNEL**
[72] ZAMOUM, SELMA, FR
[72] GINESTE, MATHIEU, FR
[72] LACAN, JEROME, FR
[72] BOUCHERET, MARIE-LAURE, FR
[72] DUPE, JEAN-BAPTISTE, FR
[71] THALES, FR
[71] CENTRE NATIONAL D'ETUDES SPATIALES, FR
[71] INSTITUT SUPERIEUR DE L'AERONAUTIQUE ET DE L'ESPACE, FR
[71] INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2020-11-02
[86] 2019-05-02 (PCT/EP2019/061181)
[87] (WO2019/211351)
[30] FR (1800424) 2018-05-03

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[51] **Int.Cl. A23K 10/33 (2016.01) A23K 20/111 (2016.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/899 (2006.01)**
[25] EN
[54] **SUGAR CANE EXTRACTS FOR USE IN ANIMAL FEEDS**
[54] **EXTRAITS DE CANNE A SUCRE DESTINES A ETRE UTILISES DANS DES ALIMENTS POUR ANIMAUX**
[72] MITCHELL, SHANE, AU
[72] KITCHEN, BARRY, AU
[72] MACNAB, GREGOR, AU
[72] NEOH, JULIAN, AU
[72] FLAVEL, MATTHEW, AU
[71] THE PRODUCT MAKERS (AUSTRALIA) PTY LTD, AU
[85] 2020-11-03
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[87] (WO2019/213703)
[30] AU (2018901631) 2018-05-11

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[51] **Int.Cl. G01N 21/77 (2006.01) G01N 21/78 (2006.01) C13B 20/00 (2011.01) C13B 99/00 (2011.01) G01N 21/25 (2006.01) G01N 27/62 (2006.01)**
[25] EN
[54] **METHOD FOR THE CLASSIFICATION OF MAPLE SYRUP**
[54] **PROCEDE DE CLASSIFICATION DE SIROP D'ERABLE**
[72] MASSON, JEAN-FRANCOIS, CA
[72] BARBEAU, JULIE, CA
[71] PRODUCTEURS ET PRODUCTRICES ACERICOLES DU QUEBEC, CA
[85] 2020-11-03
[86] 2019-05-02 (PCT/CA2019/050578)
[87] (WO2019/210419)
[30] US (62/666,793) 2018-05-04

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[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01)**
[25] FR
[54] **METHOD FOR LOCKING/UNLOCKING A REMOVABLE MODULE, AND ASSEMBLY FOR IMPLEMENTATION**
[54] **PROCEDE DE VERROUILLAGE / DEVERROUILLAGE D'UN MODULE AMOVIBLE ET ENSEMBLE DE MISE EN OEUVRE**
[72] BOUSQUET, JEAN FRANCOIS, FR
[72] PUERTOLAS, BASTIEN, FR
[71] LATELEC, FR
[85] 2020-11-03
[86] 2019-05-02 (PCT/EP2019/061175)
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[30] FR (1853843) 2018-05-03

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[13] A1
[51] **Int.Cl. H03K 17/14 (2006.01)**
[25] EN
[54] **ACTUATING A METAL-OXIDE-SEMICONDUCTOR FIELD-EFFECT TRANSISTOR**
[54] **COMMANDE D'UN TRANSISTOR A EFFET DE CHAMP A SEMI-CONDUCTEUR A OXYDE DE METAL**
[72] BAKRAN, MARK-MATTHIAS, DE
[72] BOHMER, JURGEN, DE
[72] HELSPER, MARTIN, DE
[72] KRAFFT, EBERHARD ULRICH, DE
[72] LASKA, BERND, DE
[72] NAGEL, ANDREAS, DE
[72] SCHONEWOLF, STEFAN HANS WERNER, DE
[72] WEIGEL, JAN, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
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[13] A1
[51] **Int.Cl. G06F 16/10 (2019.01) G06F 11/16 (2006.01) G06F 12/16 (2006.01)**
[25] EN
[54] **DECENTRALIZED AND AUTOMATED DATA STORAGE, PROCESSING AND SHARING SYSTEM AND RELATED PROCESS**
[54] **SYSTEME DECENTRALISE ET AUTOMATISE DE STOCKAGE, DE TRAITEMENT ET DE PARTAGE DE DONNEES ET PROCEDE ASSOCIE**
[72] GUERIN, MARC, CA
[71] NUUTOK ENTREPRISE INC., CA
[85] 2020-11-03
[86] 2019-05-02 (PCT/CA2019/050579)
[87] (WO2019/210420)
[30] US (62/666,435) 2018-05-03

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[51] **Int.Cl. H04N 21/8545 (2011.01) A63F 13/213 (2014.01) A63F 13/60 (2014.01) G11B 27/031 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND KIT FOR USING TRIGGERING OBJECTS TO CREATE CONCATENATED AUDIO/VIDEO**
[54] **SYSTEME, PROCEDE ET KIT POUR UTILISER DES OBJETS DECLENCHEURS POUR CREER DE L'AUDIO/VIDEO CONCATENE**
[72] LICHT, DANIEL, CA
[72] ENDERS, JONATHAN, CA
[71] LICHT, DANIEL, CA
[85] 2020-11-03
[86] 2019-05-08 (PCT/CA2019/050608)
[87] (WO2019/213760)
[30] US (62/669,619) 2018-05-10
[30] US (62/681,138) 2018-06-06

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[51] **Int.Cl. C07D 413/10 (2006.01) A61K 31/4245 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **ADDITION SALT OF S1P1 RECEPTOR AGONIST AND CRYSTAL FORM THEREOF, AND PHARMACEUTICAL COMPOSITION**
[54] **SEL D'ADDITION DE L'AGONISTE DU RECEPTEUR S1P1, FORME CRISTALLINE DE CELUI-CI, ET COMPOSITION PHARMACEUTIQUE**
[72] ZHENG, WEI, US
[72] PAN, WUBIN, CA
[72] GUO, JIAWANG, CN
[71] SUZHOU CONNECT BIOPHARMACEUTICALS, LTD., CN
[85] 2020-11-03
[86] 2018-05-04 (PCT/CN2018/085617)
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[13] A1
[51] **Int.Cl. B65D 47/18 (2006.01) A61F 9/00 (2006.01) B65D 47/32 (2006.01)**
[25] EN
[54] **DEVICE FOR PACKAGING AND DISPENSING A PRODUCT, WITH VIAL AND DISPENSING MOUTHPIECE EQUIPPED WITH A FILTER**
[54] **DISPOSITIF D'EMBALLAGE ET DE DISTRIBUTION D'UN PRODUIT, AVEC FLACON ET EMBOUT DE DISTRIBUTION EQUIPE D'UN FILTRE**
[72] POZZI, JACQUES, FR
[71] HORUS PHARMA, FR
[71] SANTEN SA, CH
[85] 2020-11-03
[86] 2019-05-07 (PCT/EP2019/061679)
[87] (WO2019/215149)
[30] FR (1800464) 2018-05-07

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[13] A1
[51] **Int.Cl. B65D 47/18 (2006.01) A61F 9/00 (2006.01) B65D 47/40 (2006.01)**
[25] EN
[54] **DEVICE FOR PACKAGING AND DISPENSING A PRODUCT, HAVING A DOSING MOUTHPIECE WITH AN EXTERNALLY CLEAN END**
[54] **DISPOSITIF DE CONDITIONNEMENT ET DE DISTRIBUTION DE PRODUIT, COMPORTANT UN EMBOUT BUCCAL DE DOSAGE AVEC UNE EXTREMITE PROPRE A L'EXTERIEUR**
[72] POZZI, JACQUES, FR
[71] HORUS PHARMA, FR
[71] SANTEN SA, CH
[85] 2020-11-03
[86] 2019-05-07 (PCT/EP2019/061680)
[87] (WO2019/215150)
[30] FR (1800463) 2018-05-07

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[13] A1
[51] **Int.Cl. C12P 19/02 (2006.01) C12P 7/10 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING SUGARS FROM CARBOHYDRATE MATERIALS**
[54] **PROCEDE DE PRODUCTION DE SUCRES A PARTIR DE MATIERES GLUCIDIQUES**
[72] NOORDAM, BERTUS, NL
[72] PEL, HERMAN JAN, NL
[71] DSM IP ASSETS B.V., NL
[85] 2020-11-03
[86] 2019-05-29 (PCT/EP2019/063917)
[87] (WO2019/229108)
[30] EP (18175158.7) 2018-05-30
[30] EP (19164364.2) 2019-03-21

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/06 (2006.01)**
[25] EN
[54] **STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-11-03
[86] 2019-06-11 (PCT/EP2019/065237)
[87] (WO2019/238698)
[30] NO (20180813) 2018-06-12
[30] NO (20181005) 2018-07-19
[30] NO (20181098) 2018-08-21
[30] NO (20181344) 2018-10-19
[30] NO (20181595) 2018-12-12

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[13] A1
[51] **Int.Cl. E03F 5/04 (2006.01) E01C 11/22 (2006.01)**
[25] EN
[54] **ROAD DUST COLLECTION AND DRAINAGE CANAL**
[54] **CANIVEAU AYANT UNE FONCTION DE COLLECTE DE POUSSIERE**
[72] XU, XIANMIN, CN
[71] SHANGHAI SANGKANG ENVIROMENT TECHNOLOGY CO.LTD, CN
[85] 2020-11-03
[86] 2019-04-30 (PCT/CN2019/085353)
[87] (WO2019/210868)
[30] CN (201810417044.2) 2018-05-03

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[13] A1
[51] **Int.Cl. H01M 2/10 (2006.01)**
[25] FR
[54] **METHOD FOR ASSEMBLING A BATTERY**
[54] **PROCEDE D'ASSEMBLAGE D'UNE BATTERIE**
[72] MASSON, OLIVIER, FR
[72] BEL, MICHEL, FR
[72] GEVET, DIMITRI, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2020-11-03
[86] 2019-04-30 (PCT/FR2019/051000)
[87] (WO2019/211555)
[30] FR (1853812) 2018-05-03

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[13] A1
[51] **Int.Cl. G01L 19/14 (2006.01)**
[25] FR
[54] **HOUSING FOR PROTECTING AN ELECTRONIC DEVICE**
[54] **BOITIER DE PROTECTION D'UN DISPOSITIF ELECTRONIQUE**
[72] MBAYE, MANSOUR, FR
[72] SCHOELZEL, CHRISTIAN, DE
[72] RAT, JULIEN, FR
[72] JESSLEN, JEAN-LUC, FR
[71] A. RAYMOND ET CIE, FR
[85] 2020-11-03
[86] 2019-05-14 (PCT/FR2019/051094)
[87] (WO2019/224453)
[30] FR (1854246) 2018-05-22

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[13] A1
[51] **Int.Cl. F22B 21/22 (2006.01) F22B 27/04 (2006.01) F22B 27/12 (2006.01) F23J 1/00 (2006.01) F28D 11/02 (2006.01)**
[25] EN
[54] **WATER-TUBE BOILER WITH CONCENTRIC HEAT-EXCHANGE COILS WITH ASH-REMOVAL SYSTEM**
[54] **CHAUDIERE AQUATUBULAIRE A SERPENTINS CONCENTRIQUES POUR L'ECHANGE THERMIQUE AVEC UN SYSTEME D'ELIMINATION DES CENDRES**
[72] MAS SANZ, XAVIER, ES
[71] MAS SANZ, XAVIER, ES
[85] 2020-11-04
[86] 2019-02-11 (PCT/ES2019/070071)
[87] (WO2019/215355)
[30] ES (P201830460) 2018-05-10

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[13] A1
[51] **Int.Cl. B29C 55/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURING FITTINGS AND CONNECTIONS FOR BIAXIALLY-ORIENTED TUBES**
[54] **SYSTEME ET PROCEDE POUR LA FABRICATION D'ACCESSOIRES ET DE RACCORDS POUR TUYAUX EN PLASTIQUE BIAXIALEMENT ORIENTES**
[72] MUNOZ DE JUAN, IGNACIO, ES
[71] MOLECOR TECNOLOGIA, S. L., ES
[85] 2020-11-03
[86] 2018-05-04 (PCT/ES2018/070339)
[87] (WO2019/211498)

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[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **APPARATUS FOR TRANSFORMING TEETH INTO BONE GRAFT MATERIAL**
[54] **APPAREIL DE TRANSFORMATION DE DENTS EN MATERIAU DE GREFFE OSSEUSE**
[72] MINETTI, ELIO, IT
[71] TT TOOTH TRANSFORMER S.R.L., IT
[85] 2020-11-03
[86] 2018-05-08 (PCT/IB2018/053174)
[87] (WO2019/215477)

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[13] A1
[51] **Int.Cl. G01V 3/12 (2006.01) E21B 43/16 (2006.01) G01V 3/30 (2006.01)**
[25] EN
[54] **GENERATING IMAGES OF A RESERVOIR BASED ON INTRODUCTION OF A POLYMER-BASED CONTRAST AGENT**
[54] **GENERATION D'IMAGES D'UN RESERVOIR SUR LA BASE DE L'INTRODUCTION D'UN AGENT DE CONTRASTE A BASE DE POLYMERE**
[72] ELLIS, ERIKA SHOEMAKER, SA
[72] SCHMIDT, HOWARD KHAN, SA
[72] COX, JASON, US
[72] SERVIN, JESUS MANUEL FELIX, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-11-03
[86] 2018-10-03 (PCT/IB2018/057703)
[87] (WO2019/224596)
[30] US (15/987,331) 2018-05-23

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **ENTPD2 ANTIBODIES, COMBINATION THERAPIES, AND METHODS OF USING THE ANTIBODIES AND COMBINATION THERAPIES**
[54] **ANTICORPS CONTRE ENTPD2, POLYTHERAPIES, ET PROCEDES D'UTILISATION DES ANTICORPS ET DES POLYTHERAPIES**
[72] DIDONATO, MICHAEL, US
[72] ERKEL, CHRISTOPH, DE
[72] GALKIN, ANNA, US
[72] GLASER, SCOTT MARTIN, US
[72] HARTLEPP, KLAUS FELIX, DE
[72] JIA, YONG, US
[72] KRAUS, ALEXANDRA, DE
[72] LEE, CHRISTIAN CHO-HUA, US
[72] RUE, SARAH MICHELLE, US
[72] SHI, JIAN, US
[72] WEZLER, XENIA KAROLA, DE
[71] NOVARTIS AG, CH
[85] 2020-11-03
[86] 2019-05-29 (PCT/IB2019/054422)
[87] (WO2019/229658)
[30] US (62/677,850) 2018-05-30

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[13] A1
[51] **Int.Cl. A01K 5/02 (2006.01) B65G 53/06 (2006.01) B65G 53/40 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DELIVERING FEED SUPPLEMENT**
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION D'UN COMPLEMENT ALIMENTAIRE POUR ANIMAUX**
[72] VOGELS, ANTHONY MARIA, NZ
[71] RUTH CONSOLIDATED INDUSTRIES PTY LIMITED, AU
[85] 2020-11-03
[86] 2019-05-16 (PCT/IB2019/054049)
[87] (WO2019/220380)
[30] NZ (742708) 2018-05-18
[30] AU (2019100029) 2019-01-10

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[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **AUTOMATIC DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AUTOMATIQUE**
[72] APPY, JACQUES, CH
[72] BRYANT, ANDREW, CH
[72] CAMMISH, NEIL, CH
[72] HUANG, CONGYI, CH
[72] PALMER-FELGATE, JOHN, CH
[72] ROSSI, CLAUDIO, CH
[72] SHERGOLD, OLIVER, CH
[72] TORDI, GIANLUCA, CH
[72] VON MURALT, ADRIAN FRANCOIS, CH
[72] HORLOCK, MARK, CH
[71] NOVARTIS AG, CH
[85] 2020-11-03
[86] 2019-05-23 (PCT/IB2019/054299)
[87] (WO2019/224783)
[30] EP (18174183.6) 2018-05-24
[30] GB (1808598.5) 2018-05-24
[30] EP (18174181.0) 2018-05-24
[30] EP (18174190.1) 2018-05-24

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[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] EN
[54] **COATED ARTICLE INCLUDING ULTRA-FAST LASER TREATED SILVER-INCLUSIVE LAYER IN LOW-EMISSIVITY THIN FILM COATING, AND/OR METHOD OF MAKING THE SAME**
[54] **ARTICLE REVETU COMPRENANT UNE COUCHE CONTENANT DE L'ARGENT TRAITEE AU LASER ULTRA-RAPIDE DANS UN REVETEMENT DE FILM MINCE A FAIBLE EMISSIVITE, ET/OU SON PROCEDE DE FABRICATION**
[72] VEERASAMY, VICTOR, US
[72] DISTELDORF, BERND, LU
[71] GUARDIAN GLASS, LLC, US
[71] GUARDIAN EUROPE S.A.R.L., LU
[85] 2020-11-03
[86] 2019-08-01 (PCT/IB2019/056575)
[87] (WO2020/026192)
[30] US (16/052,166) 2018-08-01

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[51] **Int.Cl. D06B 13/00 (2006.01) D06L 4/657 (2017.01) D06L 4/75 (2017.01) D01G 23/00 (2006.01) D02G 3/44 (2006.01) D06B 3/02 (2006.01) D06B 15/02 (2006.01) D06M 10/02 (2006.01) D06M 10/06 (2006.01) D06M 10/08 (2006.01) D06M 11/05 (2006.01) D06M 11/36 (2006.01) D06M 11/83 (2006.01) D06M 11/84 (2006.01) D06M 13/07 (2006.01) D06M 13/525 (2006.01) D06M 15/05 (2006.01) D06M 15/13 (2006.01) D06M 15/17 (2006.01) D06M 15/705 (2006.01) D06M 15/71 (2006.01) D06M 23/10 (2006.01) D06M 23/12 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR THE APPLICATION OF CHEMICAL COMPOUNDS TO NATURAL FIBERS AND TREATED FIBERS OBTAINED THEREFROM**
[54] **PROCEDE ET SYSTEME D'APPLICATION DE COMPOSES CHIMIQUES A DES FIBRES NATURELLES ET FIBRES TRAITEES OBTENUES PAR LESDITS PROCEDE ET SYSTEME**
[72] GABBAY, JEFFREY S., IL
[71] ARGAMAN TECHNOLOGIES LTD., IL
[85] 2020-11-03
[86] 2019-05-30 (PCT/IL2019/050618)
[87] (WO2019/229756)
[30] US (62/678,280) 2018-05-31

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[13] A1
[51] **Int.Cl. C08G 61/12 (2006.01) C09D 5/24 (2006.01) C09D 165/00 (2006.01) C09K 3/16 (2006.01) H01B 1/12 (2006.01) H01G 9/00 (2006.01) H01G 9/028 (2006.01) H01G 9/15 (2006.01) H01L 51/00 (2006.01) H01L 51/44 (2006.01) H01L 51/52 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PEDOT FILM**
[54] **PROCEDE DE FABRICATION D'UN FILM DE PEDOT**
[72] KVARNSTROM, CARITA, FI
[72] DAMLIN, PIA, FI
[72] SALOMAKI, MIKKO, FI
[72] NAUMA, MAURI, FI
[72] YEWALE, RAHUL BALU, FI
[71] TURUN YLIOPISTO, FI
[85] 2020-11-03
[86] 2018-05-04 (PCT/FI2018/050330)
[87] (WO2019/211509)

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[13] A1
[51] **Int.Cl. A61B 18/20 (2006.01) A61F 9/00 (2006.01) A61F 9/007 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **BRAIN MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE CEREBRALE**
[72] SCOTT, SAMANTHA I., US
[71] JUNEBRAIN. INC., US
[85] 2020-11-03
[86] 2018-05-04 (PCT/US2018/031171)
[87] (WO2018/204835)
[30] US (62/501,482) 2017-05-04

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[13] A1
[51] **Int.Cl. A61F 7/00 (2006.01) A61B 90/70 (2016.01) A61N 5/06 (2006.01)**
[25] EN
[54] **ACCELERATED TRANSITION THERMAL CONTRAST THERAPY DEVICE**
[54] **DISPOSITIF DE THERAPIE PAR CONTRASTE THERMIQUE A TRANSITION ACCELEREE**
[72] WRIGHT, LLOYD, US
[72] NANDEDKAR, VISHESH, US
[71] SOLID STATE COOLING SYSTEMS, INC, US
[85] 2020-11-03
[86] 2018-01-11 (PCT/US2018/013381)
[87] (WO2019/139593)
[30] US (15/867,238) 2018-01-10

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[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 33/138 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **SOLIDIFYING FILLER MATERIAL FOR WELL-INTEGRITY ISSUES**
[54] **MATERIAU DE CHARGE SOLIDIFIANT POUR PROBLEMES D'INTEGRITE DE PUITS**
[72] ALJUBRAN, MOHAMMAD, SA
[72] ALBAHRANI, HUSSAIN, SA
[72] BATARSEH, SAMEEH ISSA, SA
[72] MOELLENDICK, TIMOTHY E., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-11-03
[86] 2019-05-01 (PCT/US2019/030171)
[87] (WO2019/217176)
[30] US (15/974,350) 2018-05-08

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[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 34/06 (2006.01) F16K 3/03 (2006.01) F16K 3/18 (2006.01)**
[25] EN
[54] **IRIS VALVE TYPE WELL ANNULAR PRESSURE CONTROL DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE PRESSION ANNULAIRE DE PUITS DE TYPE A VALVE D'IRIS**
[72] GALLAGHER, BOBBY JAEMS, US
[72] ANGSTMANN, STEVEN ANTHONY, US
[72] GALLAGHER, BILLY, AU
[71] KINETIC PRESSURE CONTROL, LTD., US
[85] 2020-11-03
[86] 2018-05-22 (PCT/US2018/033841)
[87] (WO2019/226155)

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B60L 53/16 (2019.01) B60L 53/30 (2019.01) B65G 1/06 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **AUTOMATED STORAGE SYSTEM WITH A CONTAINER VEHICLE AND A CHARGING SYSTEM**
[54] **SYSTEME DE STOCKAGE AUTOMATISE AVEC UN VEHICULE A CONTENEURS ET UN SYSTEME DE CHARGEMENT**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-11-03
[86] 2019-06-11 (PCT/EP2019/065241)
[87] (WO2019/238702)
[30] NO (20180813) 2018-06-12
[30] NO (20181005) 2018-07-19
[30] NO (20181039) 2018-08-02
[30] NO (20190224) 2019-02-19

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[13] A1
[51] **Int.Cl. C09J 7/38 (2018.01) C09J 7/29 (2018.01)**
[25] EN
[54] **ADHESIVE LAMINATES AND METHOD FOR MAKING ADHESIVE LAMINATES**
[54] **STRATIFIES ADHESIFS ET PROCEDE DE FABRICATION DE STRATIFIES ADHESIFS**
[72] BARTHOLOMEW, ERIC L., US
[72] DHOPATKAR, NISHAD, US
[72] GHOUSSOUB, YARA, US
[72] JANKO, PAVEL, US
[72] KLITTICH, MENA R., US
[72] KOHLER, CHRISTOPHER E., US
[72] MILLER, BRANDON S., US
[72] O'DONNELL, KERRY L., US
[72] WHITMAN, DAVID W., US
[71] AVERY DENNISON CORPORATION, US
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030534)
[87] (WO2019/213475)
[30] US (62/666,544) 2018-05-03

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[13] A1
[51] **Int.Cl. C02F 1/54 (2006.01) B01D 9/02 (2006.01) B01J 8/24 (2006.01) C01B 25/45 (2006.01) C02F 1/52 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **TREATMENT OF PHOSPHATE-CONTAINING WASTEWATER AND METHODS FOR FINES CONTROL**
[54] **TRAITEMENT D'EAUX USEES CONTENANT DU PHOSPHATE ET PROCEDES DE LUTTE CONTRE LES FINES**
[72] PRASAD, MELAHALLI SATHYANARAYANA RAM, US
[72] BRITTON, AHREN, CA
[72] VERIGIN, MIKAELA, CA
[71] OSTARA NUTRIENT RECOVERY TECHNOLOGIES INC., CA
[85] 2020-11-03
[86] 2019-05-16 (PCT/CA2019/050667)
[87] (WO2019/218075)
[30] US (62/672,563) 2018-05-16

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[13] A1
[51] **Int.Cl. G02F 1/133 (2006.01)**
[25] EN
[54] **DISPLAY MODULE, DISPLAY SCREEN AND DISPLAY SYSTEM**
[54] **MODULE D'AFFICHAGE, ECRAN D'AFFICHAGE ET SYSTEME D'AFFICHAGE**
[72] LI, MANTIE, CN
[72] FANG, WEIQUAN, CN
[72] AN, XIAOJUN, CN
[72] LI, JUN, CN
[72] XUE, YUANTING, CN
[71] LEDMAN OPTOELECTRONIC CO., LTD., CN
[85] 2020-11-03
[86] 2018-05-04 (PCT/CN2018/085644)
[87] (WO2019/210513)

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/187 (2017.01) A61B 6/14 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAMS FOR SEGMENTING A TOOTH'S PULP REGION FROM AN IMAGE**
[54] **PROCEDES, SYSTEMES ET PROGRAMMES INFORMATIQUES DE SEGMENTATION DE REGION DE PULPE DENTAIRE A PARTIR D'UNE IMAGE**
[72] GORIS, BART, BE
[72] VAN LEEMPUT, PIETER, BE
[72] MOLLEMANS, WOUTER, BE
[72] ELEN, AN, BE
[71] MEDICIM NV, BE
[85] 2020-11-03
[86] 2019-05-28 (PCT/EP2019/063883)
[87] (WO2019/229092)
[30] EP (18174919.3) 2018-05-29

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[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **MATERIAL COMPRISING A STACK WITH THERMAL AND AESTHETIC PROPERTIES**
[54] **MATERIAU COMPRENANT UN EMPILEMENT A PROPRIETES THERMIQUES ET ESTHETIQUES**
[72] ONGARELLO, TOMMASO, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-11-03
[86] 2019-06-06 (PCT/EP2019/064863)
[87] (WO2019/238537)
[30] FR (1870680) 2018-06-12

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[13] A1
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[54] **MATERIAU COMPRENANT UN EMPILEMENT A PROPRIETES THERMIQUES ET ESTHETIQUES**
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[71] SAINT-GOBAIN GLASS FRANCE, FR
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[54] **SELECTION AND USE OF MELATONIN SUPPORTING BACTERIA TO REDUCE INFANTILE COLIC**
[54] **SELECTION ET UTILISATION DE BACTERIES FAVORISANT LA PRODUCTION DE MELATONINE POUR REDUIRE LA COLIQUE INFANTILE**
[72] ROOS, STEFAN, SE
[72] MOLLSTAM, BO, SE
[71] BIOGAIA AB, SE
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[54] **SYSTEMS AND METHODS FOR CARBONATED WATER FLOODING OF HYDROCARBON RESERVOIRS**
[54] **SYSTEMES ET PROCEDES POUR SUBMERSION PAR DE L'EAU GAZEUSE DE RESERVOIRS D'HYDROCARBURES**
[72] AYIRALA, SUBHASH CHANDRABOSE, SA
[72] AL-YOUSEF, ALI ABDALLAH, SA
[72] AL-ENEZI, SULTAN, SA
[72] AL-EIDAN, AHMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **ELECTRICAL USER**
[54] **CONSOMMATEUR ELECTRIQUE**
[72] RENDE, GIORGIO, IT
[71] ITALY INNOVAZIONI S.P.A., IT
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[54] **GRAFT SECURING SYSTEM, APPLICATOR AND METHOD**
[54] **SYSTEME DE FIXATION DE GREFFON, APPLICATEUR ET PROCEDE ASSOCIE**
[72] KARMELI, RON, IL
[72] TEICHMAN, EYAL, IL
[71] ENDORON MEDICAL LTD, IL
[85] 2020-11-03
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[54] **METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR AUTOMATED LICENSING, DISTRIBUTION, AND SALES**
[54] **PROCEDES, SYSTEMES ET SUPPORTS LISIBLES PAR ORDINATEUR POUR OCTROI DE LICENCE, DISTRIBUTION ET VENTES AUTOMATISES**
[72] SHOFFNER, CHARLES E., US
[71] SHOFFNER, CHARLES E., US
[85] 2020-11-03
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[54] **LRRC33 INHIBITORS AND USE THEREOF**
[54] **INHIBITEURS DE LRRC33 ET UTILISATIONS DE CEUX-CI**
[72] BUCKLER, ALAN, US
[72] CARVEN, GREGORY, J., US
[72] WAWERSIK, STEFAN, US
[72] SCHURPF, THOMAS, US
[72] MARTIN, CONSTANCE, US
[72] DATTA, ABHISHEK, US
[72] FARMER, MARK, ALLEN, US
[71] SCHOLAR ROCK, INC., US
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[54] **JEWELRY BOX**
[54] **BOITE A BIJOUX**
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[71] TANAKA, YOSHIKO, JP
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[54] **METHODS, APPARATUS, AND SYSTEMS FOR LIGHTING AND DISTRIBUTED SENSING IN CONTROLLED AGRICULTURAL ENVIRONMENTS**
[54] **PROCEDES, APPAREIL ET SYSTEMES D'ECLAIRAGE ET DE DETECTION REPARTIE DANS DES ENVIRONNEMENTS AGRICOLES REGULES**
[72] LYS, IHOR, US
[72] MADERAS, NICHOLAS, US
[71] AGNETIX, INC., US
[85] 2020-11-03
[86] 2019-05-06 (PCT/US2019/030889)
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[54] **SOFT TISSUE RETENTION DEVICE, INSTRUMENTATION AND RELATED METHODS**
[54] **DISPOSITIF DE RETENTION DE TISSUS MOUS, INSTRUMENTATION ET PROCEDES ASSOCIES**
[72] ALLARD, RANDY, US
[72] MILLER, SHANE, US
[72] BLACKLIDGE, DOUGLAS K., US
[71] PARAGON 28, INC., US
[85] 2020-11-03
[86] 2019-05-06 (PCT/US2019/030890)
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[54] **MICROPARTICLE PRODUCTION METHOD AND MICROPARTICLE PRODUCTION APPARATUS**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE MICROPARTICULES**
[72] TANAKA, TASUNORI, JP
[72] KODAMA, NAOTO, JP
[72] ISHISAKA, YOUSUKE, JP
[72] WATANABE, SHU, JP
[72] NAKAMURA, KEITARO, JP
[72] SUEYASU, SHIORI, JP
[71] NISSHIN SEIFUN GROUP INC., JP
[85] 2020-11-03
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[54] **NATURAL KILLER CELL PRODUCTS AND METHODS**
[54] **PRODUITS A BASE DE DE CELLULES TUEUSES NATURELLES ET PROCEDES**
[72] BAYLE, JOSEPH HENRI, US
[72] WANG, XIAOMEI, US
[72] SPENCER, DAVID MICHAEL, US
[72] CHANG, WEI-CHUN, US
[71] BELLICUM PHARMACEUTICALS, INC., US
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[54] **COMPOSITIONS AND METHODS FOR REDUCING PROGRESSION OF NEPHROLITHIASIS**
[54] **COMPOSITIONS ET METHODES DE REDUCTION DE L'EVOLUTION D'UNE NEPHROLITHIASE**
[72] BRADDOCK, DEMETRIOS, US
[72] BERGWITZ, CLEMENS, US
[71] YALE UNIVERSITY, US
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[54] **PROTEIN CAPTURE MEMBRANE AND METHOD OF USE THEREOF**
[54] **MEMBRANE DE CAPTURE DE PROTEINE ET SON PROCEDE D'UTILISATION**
[72] GUNTHER, ERIK, US
[72] KOSTYLEV, MIKHAIL, US
[72] STRITTMATTER, STEPHEN, US
[71] YALE UNIVERSITY, US
[85] 2020-11-03
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[54] **NOVEL COMPOUND EXHIBITING ENTEROPEPTIDASE INHIBITORY ACTIVITY**
[54] **NOUVEAU COMPOSE PRESENTANT UNE ACTIVITE INHIBITRICE DE L'ENTEROPEPTIDASE**
[72] KIM, YOUNG KWAN, KR
[72] KWON, OHHWAN, KR
[72] PARK, HEEDONG, KR
[72] PARK, JUNGGYU, KR
[72] CHOI, HWAN GEUN, KR
[72] SON, JUNG BEOM, KR
[72] KO, EUNHWA, KR
[72] KIM, SO YOUNG, KR
[72] LEE, SEUNGYEON, KR
[72] KANG, SEOCK YONG, KR
[72] KO, YI KYUNG, KR
[72] PARK, JIN-HEE, KR
[71] LG CHEM, LTD., KR
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[54] **IMMUNOREACTIVE POLYPEPTIDES**
[54] **POLYPEPTIDES IMMUNOREACTIFS**
[72] MCBRIDE, JERE, US
[72] WALKER, DAVID H., US
[71] RESEARCH DEVELOPMENT FOUNDATION, US
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[54] **LASER MACHINE TOOL WITH TRANSPORTING DEVICE**
[54] **MACHINE-OUTIL A LASER AVEC DISPOSITIF DE TRANSPORT**
[72] GEISSLER, ALFRED, DE
[72] LECHLEITER, KARL, DE
[71] DMG MORI ADDITIVE GMBH, DE
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[54] **SINGLE COIL APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE A BOBINE UNIQUE**
[72] TYLER, JEFFERY, US
[71] G.W. LISK COMPANY, INC., US
[85] 2020-11-03
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[54] **RADIATION SHIELDING DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE PROTECTION CONTRE LE RAYONNEMENT**
[72] GORDON, GREGORY, US
[71] RADUX DEVICES, LLC, US
[85] 2020-11-03
[86] 2019-04-24 (PCT/US2019/028992)
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[54] **ELECTRIC VEHICLE CHARGING SYSTEM**
[54] **SYSTEME DE CHARGE DE VEHICULE ELECTRIQUE**
[72] GUERRA, PAUL BARON, US
[72] MATTHEWS, DAMIAN S., US
[72] ROMANO, PASQUALE, US
[72] BAXTER, DAVID, US
[71] CHARGEPOINT, INC., US
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[54] **NON-CHLORINATED OXIDIZING BIOCIDE CHEMISTRIES, THEIR METHODS OF PRODUCTION, APPLICATION AND METHODS OF FEED THEREOF**
[54] **PRODUITS CHIMIQUES BIOCIDES OXYDANTS NON CHLORES, LEURS PROCEDES DE PRODUCTION, D'APPLICATION ET PROCEDES DE FOURNITURE DE CEUX-CI**
[72] GUPTA, AMIT, US
[72] LOHOKARE, HARSHADA RAMESH, US
[72] BHOLE, YOGESH SURESH, US
[71] ECOLAB USA INC., US
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030548)
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[54] **NOVEL GENE CLASSIFIERS AND USES THEREOF IN AUTOIMMUNE DISEASES**
[54] **NOUVEAUX CLASSIFICATEURS DE GENES ET LEURS UTILISATIONS DANS DES MALADIES AUTO-IMMUNES**
[72] DOBAK, JOHN DANIEL, III, US
[72] JANSEN, BURKHARD, US
[72] YAO, ZUXU, US
[71] DERMTECH, INC., US
[85] 2020-11-03
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[54] **THAWING BIOLOGICAL SUBSTANCES**
[54] **DECONGELATION DE SUBSTANCES BIOLOGIQUES**
[72] SHAVIT, MENACHEM, US
[72] THACHER, FREDERICK J., US
[71] FREMON SCIENTIFIC, INC., US
[85] 2020-11-03
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[54] **ACETAMINOPHEN ASSAY**
[54] **DOSAGE D'ACETAMINOPHENE**
[72] ACORN, ROBERT, CA
[72] COADY, HELEN, CA
[72] COLL, GRAHAM, CA
[71] SEKISUI DIAGNOSTICS, LLC, US
[85] 2020-11-03
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[54] **MODIFIED SEED OIL CONTENT BY GENE EDITING**
[54] **TENEUR EN HUILE DE GRAINE MODIFIEE PAR EDITION DE GENE**
[72] FLYCKT, KAYLA S, US
[72] HAUG COLLET, KRISTIN, US
[72] LIU, ZHAN-BIN, US
[72] ROESLER, KEITH R, US
[72] SHEN, BO, US
[72] WAYNE, LAURA L., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **ELECTRONICALLY-CONTROLLED AXLE BRAKING SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE FREINAGE D'ESSIEU A COMMANDE ELECTRONIQUE**
[72] KING, JONATHAN, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030598)
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[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF CHOLESTERYL ESTER STORAGE DISEASE**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'UNE MALADIE DE STOCKAGE D'ESTER DE CHOLESTERYLE**
[72] AZNAREZ, ISABEL, US
[71] STOKE THERAPEUTICS, INC., US
[85] 2020-11-03
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[54] **ORGANIC COMPOUNDS**
[54] **COMPOSES ORGANIQUES**
[72] WENNOGLE, LAWRENCE P., US
[72] HENDRICK, JOSEPH, US
[72] DAVIS, ROBERT, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[85] 2020-11-03
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[30] US (62/676,638) 2018-05-25
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[54] **MICROBE-BASED PRODUCTS FOR ENHANCING PLANT ROOT AND IMMUNE HEALTH**
[54] **PRODUITS A BASE DE MICROBES POUR AMELIORER LA SANTE DES RACINES DE PLANTES ET L'IMMUNITE**
[72] ZORNER, PAUL S., US
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[72] IBRAGIMOVA, SAMAL, US
[71] LOCUS AGRICULTURE IP COMPANY, LLC, US
[85] 2020-11-03
[86] 2019-05-08 (PCT/US2019/031308)
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[54] **KEY HAVING A CATCH AND A REPLACEABLE BLADE, LOCK, AND OPERATING METHOD THEREOF (VARIANTS)**
[54] **CLE AVEC PRISE ET SECRET AMOVIBLE, SERRURE ET PROCEDE DE LEUR FONCTIONNEMENT (ET VARIANTES)**
[72] SALIMOV, ILDAR IBRAGIMOVICH, RU
[71] SALIMOV, ILDAR IBRAGIMOVICH, RU
[85] 2020-11-03
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[54] **SOLID FORMS OF AN FGFR INHIBITOR AND PROCESSES FOR PREPARING THE SAME**
[54] **FORMES SOLIDES D'UN INHIBITEUR DE FGFR ET LEURS PROCEDES DE PREPARATION**
[72] BURN, TIMOTHY C., US
[72] LIU, PHILLIP C., US
[72] FRIETZE, WILLIAM, US
[72] JIA, ZHONGJIANG, US
[72] TAO, MING, US
[72] WANG, DENGJIN, US
[72] ZHOU, JIACHENG, US
[72] LI, QUN, US
[71] INCYTE CORPORATION, US
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[54] **FEUILLE RESPIRANTE RENFORCEE**
[72] VIDO, MARTIN, CA
[72] BOISVERT, RONALD, US
[72] THAXTON, STEVE, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[30] US (62/670,359) 2018-05-11

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[54] **VACUUM FILTER**
[54] **FILTRE A VIDE**
[72] SUNDSTROM, AKE, SE
[72] MAGNUSSON, JONAS, SE
[72] LOFSTRAND, ANDERS, SE
[72] NYKVIST, PETER, SE
[72] LUNDBERG, JORGEN, SE
[71] VALMET AB, SE
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[30] SE (1850778-0) 2018-06-21

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[25] EN
[54] **METHODS FOR ENHANCING THE BIOAVAILABILITY AND EXPOSURE OF A VOLTAGE-GATED POTASSIUM CHANNEL OPENER**
[54] **PROCEDES D'AMELIORATION DE LA BIODISPONIBILITE ET DE L'EXPOSITION D'UN DISPOSITIF D'OUVERTURE DE CANAL POTASSIQUE SENSIBLE A LA TENSION**
[72] BEATCH, GREGORY N., CA
[71] XENON PHARMACEUTICALS INC., CA
[85] 2020-11-03
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[54] **METHODS OF TREATING SUBSTANCE ABUSE**
[54] **METHODES DE TRAITEMENT DE LA TOXICOMANIE**
[72] WITKIN, JEFFREY M., US
[72] SPORN, JONATHAN, US
[72] KRANZLER, JAY, US
[71] PERCEPTION NEUROSCIENCE, INC., US
[85] 2020-11-03
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[54] **SYSTEMS FOR ASEPTIC URINE SAMPLING AND METHODS THEREOF**
[54] **SYSTEMES D'ECHANTILLONNAGE D'URINE ASEPTIQUE ET PROCEDES ASSOCIES**
[72] WAITKUS, TIM, US
[72] FODOUOP, CHRIS, US
[72] LEEKE, KELSEY, US
[72] GOHDE, JOHN, US
[71] C.R. BARD, INC., US
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[54] **KIT D'ECHANTILLONNAGE D'URINE ET PROCEDES ASSOCIES**
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[72] FODOUOP, CHRIS, US
[72] LEEKE, KELSEY, US
[72] GOHDE, JOHN, US
[71] C.R. BARD, INC., US
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[54] **ARTIFICIAL PROMISCUOUS T HELPER CELL EPITOPES THAT FACILITATE TARGETED ANTIBODY PRODUCTION WITH LIMITED T CELL INFLAMMATORY RESPONSE**
[54] **EPITOPES UNIVERSELS ARTIFICIELS DE CELLULES T AUXILIAIRES QUI FACILITENT LA PRODUCTION CIBLEE D'ANTICORPS TOUT EN LIMITANT LA REPONSE DES CELLULES T DE TYPE INFLAMMATOIRE**
[72] WANG, CHANG YI, US
[71] UBI IP HOLDINGS, KY
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030649)
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[54] **GAUGE ARM**
[54] **BRAS DE JAUGE**
[72] STEINKE, JEFFREY, US
[71] STEINKE, JEFFREY, US
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[54] **LASER CUTTING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DECOUPAGE AU LASER**
[72] TROJANOWSKI, JAMES JOSEPH, US
[71] AUTOTECH ENGINEERING S.L., ES
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[25] EN
[54] **MANUFACTURING ARRANGEMENT FOR A FUEL CELL STACK AND METHOD FOR MANUFACTURING A FUEL CELL STACK**
[54] **AGENCEMENT DE FABRICATION POUR EMPILEMENT DE PILES A COMBUSTIBLE ET PROCEDE DE FABRICATION D'EMPILEMENT DE PILES A COMBUSTIBLE**
[72] MUNTHE, STEFAN, SE
[71] POWERCELL SWEDEN AB, SE
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[54] **SYSTEMS AND METHODS FOR HEATING AND COOLING A VEHICLE USING A HEAT PUMP**
[54] **SYSTEMES ET PROCEDES DE CHAUFFAGE ET REFROIDISSEMENT D'UN VEHICULE A L'AIDE D'UNE POMPE A CHALEUR**
[72] VADLAMANI, UDAY, US
[72] YOUNG, MIKE, US
[72] NEDELCU, COSTI, US
[71] PACCAR INC, US
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[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] RAVINA, BERNARD, US
[72] KELLS, ADRIAN PHILIP, US
[71] VOYAGER THERAPEUTICS, INC., US
[85] 2020-11-03
[86] 2019-05-15 (PCT/US2019/032384)
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[54] **MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL STACK WITH MEMBRANE ELECTRODE ASSEMBLY AND ALIGNMENT TOOL FOR FUEL CELL STACK**
[54] **ENSEMBLE MEMBRANE-ELECTRODES, EMPILEMENT DE PILE A COMBUSTIBLE A ENSEMBLE MEMBRANE-ELECTRODES ET OUTIL D'ALIGNEMENT POUR EMPILEMENT DE PILE A COMBUSTIBLE**
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[71] POWERCELL SWEDEN AB, SE
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[54] **COMPOSITIONS AND METHODS FOR ENHANCING THE KILLING OF TARGET CELLS BY NK CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA DESTRUCTION DE CELLULES CIBLES PAR DES LYMPHOCYTES NK**
[72] WATKINS, JENNIFER, US
[72] SCHMIDT, MICHAEL MARCH, US
[72] DRAGHI, MONIA, US
[72] OLIPHANT, AMANDA FRANK, US
[72] HALMOS, SARA MARIE, US
[72] SCHUETZ, THOMAS JOSEPH, US
[72] LAJOIE, JASON MICHAEL, US
[72] NELSON, ALLISON, US
[71] COMPASS THERAPEUTICS LLC, US
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[30] US (62/731,045) 2018-09-13
[30] US (62/731,047) 2018-09-13
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[30] US (62/760,644) 2018-11-13
[30] US (62/767,786) 2018-11-15
[30] US (62/767,792) 2018-11-15
[30] US (62/767,831) 2018-11-15
[30] US (62/789,946) 2019-01-08
[30] US (62/789,943) 2019-01-08
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[30] US (62/817,442) 2019-03-12
[30] US (62/817,467) 2019-03-12
[30] US (62/822,243) 2019-03-22
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[54] **ORAL CARE COMPOSITION WITH IMPROVED DEPOSITION EFFICACY OF A COOLING SENSATE AGENT IN THE ORAL CAVITY**
[54] **COMPOSITION DE SOIN BUCCAL AYANT UNE EFFICACITE DE DEPOT AMELIOREE D'UN AGENT SENSORIEL DE REFROIDISSEMENT DANS LA CAVITE BUCCALE**
[72] YUAN, JINFANG, CN
[72] ZHANG, YAN, CN
[72] LI, XIAOWEI, CN
[72] STRAND, ROSS, SG
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **INHIBITORS OF RSV REPLICATION AND APPLICATIONS THEREOF**
[54] **INHIBITEURS DE LA REPLICATION DU VIRUS RESPIRATOIRE SYNCYTIAL (VRS) ET LEURS UTILISATIONS**
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[72] SOURIMANT, JULIEN, US
[72] JECS, EDGARS, US
[72] LIOTTA, DENNIS, US
[72] PELLY, STEPHEN, US
[72] WILSON, ROBERT, US
[72] DENTMON, ZACKERY WILL, US
[71] GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[71] EMORY UNIVERSITY, US
[85] 2020-11-03
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[54] **DRIVE SYSTEM FOR A SHIP**
[54] **SYSTEME D'ENTRAINEMENT D'UN NAVIRE**
[72] SCHOLZ, SASCHA, DE
[71] SCHOTTEL GMBH, DE
[85] 2020-11-04
[86] 2019-04-11 (PCT/EP2019/059205)
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[30] DE (10 2018 111 402.8) 2018-05-14

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[54] **APPARATUS FOR CONNECTING WELLSITE TUBING**
[54] **APPAREIL POUR RACCORDER UNE COLONNE DE PRODUCTION D'EMPLACEMENT DE FORAGE**
[72] HAYNES, MICHAEL, CA
[72] DAVID, SEAN JAMES PETER, CA
[72] KELM, KEVIN, CA
[71] DELENSOL CORP., CA
[85] 2020-10-14
[86] 2019-04-11 (PCT/IB2019/000331)
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[51] **Int.Cl. C07D 409/12 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01)**
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[54] **ERBB RECEPTOR INHIBITORS**
[54] **INHIBITEURS DE RECEPTEURS ERBB**
[72] LI, ZHENGTAO, CN
[72] ZHONG, WEI, US
[72] WANG, JIABING, US
[72] ZENG, QINGBEI, CN
[72] TSUI, HONCHUNG, CN
[72] YANG, ZHENFAN, CN
[72] ZHANG, XIAOLIN, CN
[71] DIZAL (JIANGSU) PHARMACEUTICAL CO., LTD, CN
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[51] **Int.Cl. C12N 15/74 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 31/04 (2006.01) C12N 7/00 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR KILLING A TARGET BACTERIUM**
[54] **PROCEDES ET COMPOSITIONS POUR DETRUIRE UNE BACTERIE CIBLE**
[72] GAROFOLO, PAUL M., US
[72] OUSTEROUT, DAVID G., US
[72] SELLE, KURT, US
[72] WONG, SANDI, US
[72] TUSON, HANNAH HEWITT, US
[71] LOCUS BIOSCIENCES, INC., US
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030695)
[87] (WO2019/213592)
[30] US (62/667,400) 2018-05-04
[30] US (62/743,740) 2018-10-10
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[25] EN
[54] **HETEROARYL COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROARYLES ET LEURS UTILISATIONS**
[72] JANG, MING-KUEI, CN
[72] TEMPEST, PAUL, CN
[71] APRINOIA THERAPEUTICS INC., CN
[85] 2020-11-04
[86] 2019-05-09 (PCT/CN2019/086201)
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[30] CN (PCT/CN2018/086144) 2018-05-09

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[25] EN
[54] **SYSTEMS AND METHODS RELATING TO AN ANALYTE SENSOR SYSTEM HAVING A BATTERY LOCATED WITHIN A DISPOSABLE BASE**
[54] **SYSTEMES ET PROCEDES SE RAPPORTANT A UN SYSTEME CAPTEUR D'ANALYTE AYANT UNE BATTERIE SITUEE A L'INTERIEUR D'UNE BASE JETABLE**
[72] SHAH, NEEL NARAYAN, US
[72] GRAY, JOHN MICHAEL, US
[72] HALAC, JASON, US
[72] HOFFMEIER, CARL ERICH, US
[72] JOHNSTON, NEAL DAVIS, US
[72] KALFAS, NICHOLAS, US
[72] GENNRICH, DAVID J., US
[72] BETTMAN, MATTHEW, US
[72] GOBRECHT, ERIC, US
[72] KOPLIN, RANDALL SCOTT, US
[72] BRAUNSTEIN, RYAN MARC, US
[72] LEE, YOUNG WOO, US
[71] DEXCOM, INC., US
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[54] **COMMUNICATION METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE COMMUNICATION ET APPAREIL DE COMMUNICATION**
[72] SHAO, HUA, CN
[72] LIU, ZHE, CN
[72] HUANG, HUANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-11-04
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[30] CN (201810450341.7) 2018-05-11
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[51] **Int.Cl. H04N 7/12 (2006.01)**
[25] EN
[54] **SPATIALLY VARYING TRANSFORM WITH ADAPTIVE TRANSFORM TYPE**
[54] **TRANSFORMEE VARIANT SPATIALEMENT AVEC UN TYPE DE TRANSFORMEE ADAPTATIVE**
[72] ZHAO, YIN, CN
[72] YANG, HAITAO, CN
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-11-04
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[30] US (62/678,738) 2018-05-31

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[51] **Int.Cl. G16H 40/60 (2018.01)**
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[54] **MEDICAL DEVICE DATA MANAGEMENT CONFIGURATION SYSTEMS AND METHODS OF USE**
[54] **SYSTEMES DE CONFIGURATION DE GESTION DE DONNEES DE DISPOSITIF MEDICAL ET PROCEDES D'UTILISATION**
[72] AYSIN, BENHUR, US
[72] CHITTAJALLU, SIVA, US
[72] FLIS, MICHAEL, US
[72] LONG, JAMES, US
[71] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **NOVEL BINDERS OF TGF.BETA.-SUPERFAMILY LIGANDS AND USES THEREOF**
[54] **NOUVEAUX LIANTS DE LIGANDS DE LA SUPERFAMILLE DES TGFS ET LEURS UTILISATIONS**
[72] KUMAR, RAVINDRA, US
[72] SAKO, DIANNE S., US
[72] CASTONGUAY, ROSELYNE, US
[72] KUO, TZU-HSING, US
[71] ACCELERON PHARMA INC., US
[85] 2020-11-02
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[30] US (62/666,548) 2018-05-03
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[51] **Int.Cl. C10G 65/12 (2006.01)**
[25] EN
[54] **A HYDROCRACKING PROCESS FOR MAKING MIDDLE DISTILLATE FROM A LIGHT HYDROCARBON FEEDSTOCK**
[54] **PROCEDE D'HYDROCRAQUAGE POUR LA FABRICATION D'UN DISTILLAT MOYEN A PARTIR D'UNE CHARGE D'HYDROCARBURES LEGERS**
[72] HU, MICHAEL CHIUN-KUEI, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **VALVE AND SEAT WITH SEAL**
[54] **SOUPAPE ET SIEGE AVEC JOINT D'ETANCHEITE**
[72] ZITTING, DANIEL K., US
[71] ZITTING, DANIEL K., US
[85] 2020-11-03
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[54] **SYNTHETIC CHIMERIC VACCINIA VIRUS**
[54] **VIRUS CONTRE LA VACCINE CHIMERIQUE SYNTHETIQUE**
[72] EVANS, DAVID, CA
[72] NOYCE, RYAN, CA
[72] LEDERMAN, SETH, US
[71] TONIX PHARMA HOLDINGS LIMITED, BM
[71] EVANS, DAVID, CA
[71] NOYCE, RYAN, CA
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[86] 2019-05-02 (PCT/US2019/030486)
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[30] US (62/665,973) 2018-05-02

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[54] **THERMAL AND ANTI-VIBRATION PIPE SUPPORT**
[54] **SUPPORT DE TUYAU THERMIQUE ET ANTI-VIBRATIONS**
[72] BOOTSVELD, TIMOTHY, CA
[72] CHAE, JAEHEE, CA
[72] PALYNCHUK, CAROL, CA
[72] HARPER, CHRIS, CA
[71] BMA SOLUTIONS INC., US
[85] 2020-11-03
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[30] US (62/691,741) 2018-06-29

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[25] EN
[54] **IN VIVO HOMOLOGY DIRECTED REPAIR IN HEART, SKELETAL MUSCLE, AND MUSCLE STEM CELLS**
[54] **REPARATION DIRIGEE PAR HOMOLOGIE IN VIVO DANS LE COEUR, LE MUSCLE SQUELETTIQUE, ET LES CELLULES SOUCHES MUSCULAIRES**
[72] WAGERS, AMY J., US
[72] ZHU, KEXIAN, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030748)
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[25] EN
[54] **PANEL WITH STONE VENEER**
[54] **PANNEAU AVEC PLACAGE DE PIERRE**
[72] DOHRING, DIETER, DE
[71] XYLO TECHNOLOGIES AG, CH
[85] 2020-11-04
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[25] EN
[54] **DETERMINING CANCER RESPONSIVENESS TO TREATMENT**
[54] **DETERMINATION DE LA REACTIVITE D'UN CANCER A UN TRAITEMENT**
[72] BURGESS, JOSHUA T, AU
[72] BOLDERSON, EMMA, AU
[72] RICHARD, DEREK J, AU
[72] O'BYRNE, KENNETH J, AU
[71] QUEENSLAND UNIVERSITY OF TECHNOLOGY, AU
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[54] **CONDUCTIVE NUT SEAL ASSEMBLIES FOR COAXIAL CABLE SYSTEM COMPONENTS**
[54] **ENSEMBLES D'ETANCHEITE D'ECROU CONDUCTEURS POUR COMPOSANTS DE SYSTEME DE CABLE COAXIAL**
[72] WATKINS, HAROLD J., US
[71] PPC BROADBAND, INC., US
[85] 2020-11-03
[86] 2019-05-03 (PCT/US2019/030756)
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[25] EN
[54] **DRUG LIBRARY COMPILER FOR PATIENT DEVICES**
[54] **COMPILATEUR DE PHARMACOTHEQUE DESTINE A DES DISPOSITIFS PATIENT**
[72] MOSKAL, WITOLD, US
[71] FRESENIUS VIAL SAS, FR
[85] 2020-11-04
[86] 2019-04-04 (PCT/EP2019/058492)
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[30] US (62/671,412) 2018-05-14

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CHRONIC URTICARIA**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'URTICAIRE CHRONIQUE**
[72] BEBBINGTON, CHRISTOPHER ROBERT, US
[72] TOMASEVIC, NENAD, US
[72] RASMUSSEN, HENRIK, US
[71] ALLAKOS INC., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030523)
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[25] EN
[54] **GROSSING STATION**
[54] **POSTE DE MACROSCOPIE**
[72] MCCLAIN, MICHAEL S., US
[71] MP ACQUISITION, LLC, US
[85] 2020-11-03
[86] 2019-05-06 (PCT/US2019/030829)
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[25] EN
[54] **METHOD AND DEVICE FOR MANUFACTURING A THERMALLY INSULATED PIPE**
[54] **PROCEDE ET DISPOSITIF POUR LA FABRICATION D'UN TUYAU DE CONDUITE A ISOLATION THERMIQUE**
[72] OESCHGER, ALFRED, CH
[71] BRUGG ROHR AG HOLDING, CH
[85] 2020-11-04
[86] 2019-04-25 (PCT/EP2019/060583)
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[54] **MANAGING LOCAL EMERGENCY NUMBERS**
[54] **GESTION DE NUMEROS D'URGENCE LOCAUX**
[72] BAKKER, JAN HENDRIK LUCAS, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-11-04
[86] 2019-04-10 (PCT/EP2019/059100)
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[25] EN
[54] **NATURAL KILLER CELLS ENGINEERED TO EXPRESS CHIMERIC ANTIGEN RECEPTORS WITH IMMUNE CHECKPOINT BLOCKADE**
[54] **CELLULES TUEUSES NATURELLES MODIFIEES POUR EXPRIMER DES RECEPTEURS ANTIGENIQUES CHIMERIQUES BLOQUANT UN POINT DE CONTROLE IMMUNITAIRE**
[72] DAHER, MAY, US
[72] BASAR, RAFET, US
[72] SHPALL, ELIZABETH, US
[72] REZVANI, KATY, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030721)
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[30] US (62/666,665) 2018-05-03
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[25] EN
[54] **HIGH SPEED / LOW POWER SERVER FARMS AND SERVER NETWORKS**
[54] **CENTRES DE CALCUL A GRANDE VITESSE / FAIBLE PUISSANCE ET RESEAUX DE SERVEURS**
[72] DE ROCHEMONT, PIERRE, L., US
[71] DE ROCHEMONT, PIERRE, L., US
[85] 2020-11-02
[86] 2019-05-03 (PCT/US2019/030747)
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[54] **MODULAR FLUID PATH ASSEMBLIES FOR DRUG DELIVERY DEVICES**
[54] **ENSEMBLES DE TRAJET DE FLUIDE MODULAIRES POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT**
[72] GIBSON, SCOTT ROBERT, US
[72] DUTTA RAY, SUDESHNA, US
[72] GROSZMANN, DANIEL EDUARDO, US
[72] MOJARRAD, MEHRAN, US
[72] BALCOM, NATHAN THOMAS, US
[72] CAMPILLO-AGUSTI, ALEJANDRO, US
[72] PAYNE, ALAN D., US
[72] RING, LAWRENCE SCOTT, US
[71] AMGEN INC., US
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[86] 2019-05-06 (PCT/US2019/030845)
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[54] **MEASUREMENT OF HYDROCARBON CONTAMINATION IN WATER**
[54] **MESURE DE CONTAMINATION PAR HYDROCARBURES DANS L'EAU**
[72] BUIJS, HENRY L., CA
[71] ABB SCHWEIZ AG, CH
[85] 2020-11-04
[86] 2018-05-04 (PCT/IB2018/000577)
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[51] **Int.Cl. B64G 1/10 (2006.01) B64G 1/64 (2006.01)**
[25] EN
[54] **EFFICIENT SATELLITE STRUCTURE CONCEPT FOR SINGLE OR STACKING MULTIPLE LAUNCHES**
[54] **CONCEPT DE STRUCTURE DE SATELLITE EFFICACE POUR LANCEUR UNIQUE OU POUR EMPILEMENT DE PLUSIEURS LANCEURS**
[72] PANETTI, ANICETO, IT
[72] GALASSI, PAOLO, IT
[72] LANDELLA, GIUSEPPE, IT
[72] CAROFANO, VINCENZO, IT
[71] THE EUROPEAN UNION, REPRESENTED BY THE EUROPEAN COMMISSION, BE
[85] 2020-11-04
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[54] **TEMPERATURE RESPONSIVE FRACTURING**
[54] **FRACTURATION SENSIBLE A LA TEMPERATURE**
[72] SHIELDS, AUSTIN J., US
[71] SHIELDS, AUSTIN J., US
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[30] US (62/668,859) 2018-05-09
[30] US (16/261,685) 2019-01-30
[30] US (16/261,687) 2019-01-30

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[25] EN
[54] **THIN SHEETS MADE OF ALUMINIUM-COPPER-LITHIUM ALLOY FOR AIRCRAFT FUSELAGE MANUFACTURE**
[54] **TOLES MINCES EN ALLIAGE D'ALUMINIUM-CUIVRE-LITHIUM POUR LA FABRICATION DE FUSELAGES D'AVION**
[72] LORENZINO, PABLO, FR
[71] CONSTELLIUM ISSOIRE, FR
[85] 2020-11-04
[86] 2019-05-29 (PCT/FR2019/051269)
[87] (WO2019/234326)
[30] FR (18/55005) 2018-06-08

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[25] EN
[54] **A DEVICE FOR TREATING A BOTTOM-HOLE FORMATION WELLBORE**
[54] **DISPOSITIF DE TRAITEMENT D'UN PUITS DE FORAGE DE FORMATION DE FOND DE TROU**
[72] BRENNAN, JORDAN, CA
[72] BRENNAN, EDWARD, CA
[71] LAMROCK CANADA INCORPORATED, CA
[85] 2020-11-04
[86] 2019-05-03 (PCT/CA2019/050598)
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[30] US (62/667,410) 2018-05-04

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[54] **INTEGRATED PRECIPITATION AND MEMBRANE FILTRATION PROCESSES FOR ISOLATION OF POTATO PROTEINS**
[54] **PROCEDES INTEGRES DE PRECIPITATION ET DE FILTRATION MEMBRANAIRE POUR L'ISOLEMENT DE PROTEINES DE POMME DE TERRE**
[72] LIHME, ALLAN OTTO FOG, DK
[72] HANSEN, MARIE BENDIX, DK
[72] LINDVED, BODIL KJAER, DK
[71] LIHME PROTEIN SOLUTIONS APS, DK
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[54] **AUTOMATIC DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AUTOMATIQUE**
[72] APPY, JACQUES, CH
[72] BRYANT, ANDREW, CH
[72] CAMMISH, NEIL, CH
[72] HORLOCK, MARK, CH
[72] HUANG, CONGYI, AT
[72] PALMER-FELGATE, JOHN, CH
[72] ROSSI, CLAUDIO, CH
[72] SHERGOLD, OLIVER, CH
[72] TORDI, GIANLUCA, CH
[72] VON MURALT, ADRIAN FRANCOIS, CH
[71] NOVARTIS AG, CH
[85] 2020-11-04
[86] 2019-05-23 (PCT/IB2019/054300)
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[30] EP (18174181.0) 2018-05-24
[30] EP (18174190.1) 2018-05-24
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[25] EN
[54] **AUTOMATIC DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AUTOMATIQUE**
[72] APPY, JACQUES, CH
[72] BRYANT, ANDREW, CH
[72] CAMMISH, NEIL, CH
[72] HORLOCK, MARK, CH
[72] HUANG, CONGYI, AT
[72] PALMER-FELGATE, JOHN, CH
[72] ROSSI, CLAUDIO, CH
[72] SHERGOLD, OLIVER, CH
[72] TORDI, GIANLUCA, CH
[72] VON MURALT, ADRIAN FRANCOIS, CH
[71] NOVARTIS AG, CH
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[54] **HEMP PROTEIN AND USE FOR MICROENCAPSULATION**
[54] **PROTEINE DE CHANVRE ET SON UTILISATION POUR LA MICROENCAPSULATION**
[72] SAMARANAYAKA, ANUSHA GEETHANGANI PERERA, CA
[72] WANASUNDARA, UDAYA NAYANAKANTHA, CA
[72] RAY, MOUMITA, CA
[72] GREEN, RICHARD CHRISTOPHER, CA
[71] POS MANAGEMENT CORP., CA
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[86] 2019-05-07 (PCT/CA2019/050604)
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[25] EN
[54] **CONTROL AND REGULATING SYSTEM OF AN OXYGEN-REDUCING SYSTEM**
[54] **SYSTEME DE COMMANDE ET DE REGULATION D'UNE INSTALLATION DE REDUCTION D'OXYGENE**
[72] LEWONIG, HORST, DE
[72] HENKEL, ANDREAS, DE
[71] WAGNER GROUP GMBH, DE
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[86] 2019-05-09 (PCT/EP2019/061910)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] TERRETT, JONATHAN ALEXANDER, US
[72] KALAITZIDIS, DEMETRIOS, US
[72] DEQUEANT, MARY-LEE, US
[72] PADALIA, ZINKAL SAMIR, US
[71] CRISPR THERAPEUTICS AG, CH
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[30] US (62/670,417) 2018-05-11
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[54] **POLYMERES RADIO-OPAQUES**
[72] LEWIS, ANDREW LENNARD, GB
[72] BRITTON, HUGH, GB
[72] TANG, YIQING, GB
[72] VINCE, JONATHAN, GB
[72] ASHRAFI, KOOROSH, GB
[72] GUEGEN, DAMIEN, GB
[71] BIOCOMPATIBLES UK LIMITED, GB
[85] 2020-11-04
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[30] GB (1810777.1) 2018-06-29
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[25] EN
[54] **RECONSTITUTION AND MIXING SYSTEMS**
[54] **SYSTEME DE RECONSTITUTION ET DE MELANGE**
[72] KIMHI, OHAD, IL
[71] ADVANCED MEDICAL SOLUTIONS ISRAEL (SEALANTIS) LTD, IL
[85] 2020-11-04
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[25] EN
[54] **SUBSTITUTED CYCLODEXTRIN-METAL COMPLEXES AND USES THEREOF**
[54] **COMPLEXES DE CYCLODEXTRINE SUBSTITUEE-METAL ET LEURS UTILISATIONS**
[72] BELGSIR, EL MUSTAPHA, FR
[72] TURPIN, FREDERIC, FR
[71] BIOCYDEX, FR
[85] 2020-11-04
[86] 2019-05-09 (PCT/EP2019/061929)
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[54] **METHODS FOR EXPANDING ADIPOSE-DERIVED STEM CELLS**
[54] **PROCEDES D'EXPANSION DE CELLULES SOUCHES DERIVEES DU TISSU ADIPEUX**
[72] SAREL STERN, INA, IL
[72] YARKONI, SHAI, IL
[71] CELLECT BIOTHERAPEUTICS LTD., IL
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[54] **TAHITI VANILLA EXTRACT AND 4-[(1E,3S)-3-ETHENYL-3,7-DIMETHYLOCTA-1,6-DIENYL]PHENOL FOR CONTROLLING SKIN AGING**
[54] **EXTRAIT DE VANILLE DE TAHITI ET 4-[(1E,3S)-3-ETHENYL-3,7-DIMETHYLOCTA-1,6-DIENYL]PHENOL POUR LUTTER CONTRE LE VIEILLISSEMENT CUTANE**
[72] DUPLAN, HELENE, FR
[72] BACQUEVILLE, DANIEL, FR
[72] POIGNY, STEPHANE, FR
[71] PIERRE FABRE DERMO-COSMETIQUE, FR
[85] 2020-11-04
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[54] **DEVICE AND METHOD FOR PROCESSING OF SPRAY CANS**
[54] **DISPOSITIF ET PROCEDE POUR LE TRAITEMENT DE BOMBES AEROSOL**
[72] OSSE, EELCO MAARTEN, NL
[71] DESPRAY HOLDING B.V., NL
[85] 2020-11-04
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[54] **METHOD**
[54] **PROCEDE**
[72] COAN, LYNSEY JOANNE, GB
[72] GILES, COLIN CHRISTOPHER DAVID, GB
[72] GLENDAY, JENNIFER AMY, GB
[72] GUTIERREZ-ABAD, RAQUEL, GB
[72] LUCK, MATIAS, GB
[71] UNILEVER PLC, GB
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[25] EN
[54] **HEAD SHAFT ASSEMBLY AND RELATED METHOD**
[54] **ENSEMBLE ARBRE DE TETE ET PROCEDE ASSOCIE**
[72] RUCH, JASON C., US
[72] ECKMAN, DANIEL, US
[72] MITCHELL, ALEX IVANOVICH, US
[72] FREDERICKS, CHRISTOPHER STEPHAN, US
[71] BRENTWOOD INDUSTRIES, INC., US
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[54] **MULTI-TYPE TREE DEPTH EXTENSION FOR PICTURE BOUNDARY HANDLING**
[54] **EXTENSION DE LA PROFONDEUR D'ARBRE DE TYPE MULTIPLE POUR LA MANIPULATION DE LA LIMITE D'IMAGE**
[72] GAO, HAN, DE
[72] ZHAO, ZHIJIE, DE
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CONNECTION VERIFIER**
[54] **VERIFICATEUR DE CONNEXION**
[72] HALL, THOMAS EDWIN, US
[72] BUTTS, LAWRENCE, US
[71] OETIKER NY, INC., US
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[25] EN
[54] **VACCINE COMPOSITION**
[54] **COMPOSITION DE VACCIN**
[72] BISWAS, SUMI, GB
[72] JIN, JING, GB
[72] DABBS, REBECCA ALICE, GB
[72] LABBE, GENEVIEVE MARIE CATHERINE, GB
[71] SPYBIOTECH LIMITED, GB
[85] 2020-11-04
[86] 2019-05-03 (PCT/GB2019/051245)
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[25] EN
[54] **SMALL MOLECULE MODULATORS OF MHC-I**
[54] **MODULATEURS A PETITES MOLECULES DU CMH-1**
[72] LAMA, JUAN, US
[72] HIGUCHI, ROBERT I., US
[72] MARTIN, RICHARD, US
[72] CISNEROS, MARIA ISABEL, US
[71] RETROVIROX, INC., US
[85] 2020-11-04
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[25] EN
[54] **AGI-134 COMBINED WITH A CHECKPOINT INHIBITOR FOR THE TREATMENT OF SOLID TUMORS**
[54] **AGI-134 COMBINEE A UN INHIBITEUR DE POINT DE CONTROLE POUR LE TRAITEMENT DE TUMEURS SOLIDES**
[72] LEVY, IRIT CARMI, IL
[71] BIOLINERX LTD., IL
[85] 2020-11-04
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[54] **APPARATUS AND METHOD FOR CLOSING A SURGICAL SITE**
[54] **APPAREIL ET PROCEDE POUR FERMER UN SITE CHIRURGICAL**
[72] MUNDAY, GEORGE SWOPE, US
[71] MUNDAY, GEORGE SWOPE, US
[85] 2020-11-04
[86] 2018-08-07 (PCT/US2018/045517)
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[25] EN
[54] **PRODUCING RECOMBINANT PROTEINS WITH REDUCED LEVELS OF HOST CELL PROTEINS**
[54] **PRODUCTION DE PROTEINES RECOMBINEES PRESENTANT DES TAUX REDUITS DE PROTEINES DE CELLULES HOTES**
[72] BORGSCHULTE, TRISSA, US
[72] MASCARENHAS, JOAQUINA, US
[72] ZILLMANN, MARTIN, US
[72] SWARTZWELDER, FRANK, US
[72] KAYSER, KEVIN, US
[71] SIGMA-ALDRICH CO. LLC, US
[85] 2020-11-04
[86] 2019-05-03 (PCT/US2019/030609)
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[54] **MAGNET WIRE WITH CORONA RESISTANT POLYIMIDE INSULATION**
[54] **FIL D'AIMANT DOTE D'ISOLATION EN POLYIMIDE RESISTANT A L'EFFET COURONNE**
[72] KNERR, ALLAN R., US
[71] ESSEX FURUKAWA MAGNET WIRE USA LLC., US
[85] 2020-11-04
[86] 2019-05-06 (PCT/US2019/030804)
[87] (WO2019/217254)
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[51] **Int.Cl. A61K 35/33 (2015.01) C12N 5/071 (2010.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PAIN-REDUCING EFFECTS OF FIBROBLASTS AND TREATMENT OF PAIN**
[54] **EFFETS DE REDUCTION DE LA DOULEUR DES FIBROBLASTES ET TRAITEMENT DE LA DOULEUR**
[72] O'HEERON, PETE, US
[72] ICHIM, THOMAS, US
[71] FIGENE, LLC, US
[85] 2020-11-04
[86] 2019-05-03 (PCT/US2019/030596)
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[25] EN
[54] **CANCER NEOANTIGENS AND THEIR UTILITIES IN CANCER VACCINES AND TCR-BASED CANCER IMMUNOTHERAPY**
[54] **NEO-ANTIGENES DU CANCER ET LEURS UTILISATIONS DANS DES VACCINS CONTRE LE CANCER ET UNE IMMUNOTHERAPIE ANTICANCEREUSE A BASE DE TCR**
[72] WANG, RONGFU, US
[72] WANG, YICHENG, US
[72] ZHANG, LILI, CN
[72] CHEN, QIAN, US
[71] THE METHODIST HOSPITAL SYSTEM, US
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[86] 2019-04-25 (PCT/US2019/029107)
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[51] **Int.Cl. E01C 13/08 (2006.01)**
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[54] **INFILL MATERIAL FOR SYNTHETIC TURFS AND SYNTHETIC TURFS SO OBTAINED**
[54] **MATERIAU DE CHARGE POUR GAZONS ARTIFICIELS ET GAZONS ARTIFICIELS AINSI OBTENUS**
[72] NUSCA, MARINA, IT
[71] MAR.PROJECT S.R.L, IT
[85] 2020-11-04
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[51] **Int.Cl. A47J 37/07 (2006.01)**
[25] EN
[54] **PELLET GRILLS AND GRILLS HAVING FLAVORIZING MATERIAL CONTAINERS**
[54] **BARBECUES ET BARBECUES A GRANULES DOTES DE CONTENANTS DE MATIERE AROMATISANTE**
[72] FENG, FU DU, CN
[72] WALTERS, JON SCOTT, US
[71] PHASE 2, LLC, US
[71] FENG, FU DU, CN
[85] 2020-11-04
[86] 2018-05-09 (PCT/US2018/031806)
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[30] US (62/503,743) 2017-05-09
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[30] CN (201830045817.X) 2018-01-31
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[30] CN (201810204701.5) 2018-03-13

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[25] EN
[54] **DISPENSER AND SOLUTION DISPENSING METHOD**
[54] **DISTRIBUTEUR ET PROCEDE DE DISTRIBUTION DE SOLUTION**
[72] GELDERMAN, MAX, US
[72] ANDERSON, DANIEL D., US
[72] RILEY, SENTA, US
[72] OLIPHANT, RICH, US
[72] JOHNSON, MAXWELL M., US
[72] MUEGGENBORG, BROCK, US
[72] SHARPE, SONYA S., US
[71] ECOLAB USA INC., US
[85] 2020-11-04
[86] 2019-05-07 (PCT/US2019/031022)
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[30] US (62/667,845) 2018-05-07

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[51] **Int.Cl. H04W 80/02 (2009.01) H04W 76/30 (2018.01)**
[25] EN
[54] **TERMINAL APPARATUS, BASE STATION APPARATUS, METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF TERMINAL, DISPOSITIF DE STATION DE BASE, PROCEDE ET CIRCUIT INTEGRE**
[72] HORI, TAKAKO, JP
[72] YAMADA, SHOHEI, JP
[72] TSUBOI, HIDEKAZU, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2020-11-04
[86] 2019-05-07 (PCT/JP2019/018239)
[87] (WO2019/216309)
[30] JP (2018-089864) 2018-05-08

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[51] **Int.Cl. H04W 52/02 (2009.01) H04W 16/28 (2009.01)**
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[54] **USER EQUIPMENT AND METHOD THEREOF**
[54] **EQUIPEMENT UTILISATEUR ET SON PROCEDE**
[72] ZHANG, CHONGMING, CN
[72] LIU, RENMAO, CN
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2020-11-04
[86] 2019-05-10 (PCT/JP2019/018758)
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[51] **Int.Cl. C08B 5/00 (2006.01)**
[25] EN
[54] **FINE CELLULOSE FIBER AND METHOD FOR PRODUCING SAME**
[54] **MICROFIBRES DE CELLULOSE ET LEUR PROCEDE DE FABRICATION**
[72] MATSUSUE, IKKO, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2020-11-04
[86] 2019-05-17 (PCT/JP2019/019606)
[87] (WO2019/221256)
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[51] **Int.Cl. E04C 2/38 (2006.01) E04B 1/10 (2006.01) E04B 2/70 (2006.01)**
[25] EN
[54] **FOAM WALL STRUCTURES WITH HIGH SHEAR STRENGTH AND METHODS FOR THE MANUFACTURE THEREOF**
[54] **STRUCTURES DE PAROI EN MOUSSE PRESENTANT UNE RESISTANCE AU CISAILLEMENT ELEVEE ET LEURS PROCEDES DE FABRICATION**
[72] BAILY, DAVID M., US
[72] LAMBACH, JAMES L., US
[72] PALMOSINA II, MICHAEL F., US
[71] COVESTRO LLC, US
[85] 2020-11-04
[86] 2019-05-07 (PCT/US2019/031070)
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[51] **Int.Cl. C08L 1/00 (2006.01) C08K 5/092 (2006.01) C08L 101/00 (2006.01) D21H 11/18 (2006.01) D21H 13/06 (2006.01) D21H 15/02 (2006.01)**
[25] EN
[54] **FIBROUS CELLULOSE AND METHOD FOR MANUFACTURING THE SAME, AND FIBROUS CELLULOSE COMPOSITE RESIN AND METHOD FOR MANUFACTURING THE SAME**
[54] **CELLULOSE FIBREUSE ET SON PROCEDE DE PRODUCTION, ET RESINE COMPOSITE DE CELLULOSE FIBREUSE ET SON PROCEDE DE PRODUCTION**
[72] MATSUSUE, IKKO, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2020-11-04
[86] 2019-05-24 (PCT/JP2019/020576)
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[30] JP (2018-105605) 2018-05-31

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[25] EN
[54] **THERMOPLASTIC BAGS WITH LIQUID DIRECTING STRUCTURES**
[54] **SACS THERMOPLASTIQUES A STRUCTURES D'ORIENTATION DE LIQUIDE**
[72] ZHU, RANYI, US
[72] BORCHARDT, MICHAEL G., US
[72] DORSEY, ROBERT T., US
[72] MAXWELL, JASON R., US
[72] TUCKER, EDWARD B., US
[72] BROERING, SHAUN T., US
[72] FIX, DEBORAH K., US
[71] THE GLAD PRODUCTS COMPANY, US
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[86] 2019-05-07 (PCT/US2019/031086)
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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) C12N 15/113 (2010.01) A61K 35/17 (2015.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODIFYING REGULATORY T CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR MODIFIER DES LYMPHOCYTES T REGULATEURS**
[72] MARSON, ALEXANDER, US
[72] BLUESTONE, JEFFREY A., US
[72] SCHUMANN, KATHRIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-11-04
[86] 2019-05-07 (PCT/US2019/031119)
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[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/613 (2014.01) H01M 10/6556 (2014.01) H01M 10/42 (2006.01)**
[25] EN
[54] **MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE**
[72] SKJETNE, ARVE, NO
[72] BORSHEIM, EIRIK, NO
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-11-04
[86] 2019-05-31 (PCT/EP2019/064197)
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[30] GB (1809457.3) 2018-06-08

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[51] **Int.Cl. A23L 29/256 (2016.01) A23L 33/125 (2016.01) A23L 2/52 (2006.01)**
[25] EN
[54] **A CONSUMABLE GEL DELIVERY METHOD FOR HEALTH INGREDIENTS**
[54] **PROCEDE D'ADMINISTRATION PAR GEL CONSOMMABLE POUR DES INGREDIENTS DE SANTE**
[72] GIVONI, NATHAN JACOB, AU
[72] MORTON, DAVID ALEXANDER VODDEN, AU
[72] SZEWACH, SIMON HAYDEN, AU
[72] WYNNE, PAUL MICHAEL, AU
[71] DOMALINA PTY LTD ATF THE DOMALINA UNIT TRUST, AU
[85] 2020-11-04
[86] 2019-05-08 (PCT/IB2019/053787)
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[25] EN
[54] **TETRAZINES FOR HIGH CLICK CONJUGATION YIELD IN VIVO AND HIGH CLICK RELEASE YIELD**
[54] **TETRAZINES POUR UN RENDEMENT ELEVE DE CONJUGAISON DE CHIMIE CLICK IN VIVO ET UN RENDEMENT ELEVE DE LIBERATION DE CHIMIE CLICK**
[72] ROBILLARD , MARC STEFAN, NL
[72] VERSTEEGEN, RONNY MATHIEU, NL
[72] ROSSIN, RAFFAELLA, NL
[72] HOEBEN, FREEK JOHANNES MARIA, NL
[72] VAN KASTEREN, SANDER IZAAK, NL
[71] TAGWORKS PHARMACEUTICALS B.V., NL
[85] 2020-11-04
[86] 2019-05-06 (PCT/NL2019/050271)
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[51] **Int.Cl. G01M 7/02 (2006.01)**
[25] EN
[54] **EXCITER SYSTEM FOR INDUCING VIBRATIONS IN RAILWAY BRIDGES**
[54] **SYSTEME EXCITATEUR POUR INDUIRE DES VIBRATIONS DANS DES PONTS FERROVIAIRES**
[72] MUSEROS ROMERO, PEDRO, ES
[72] CUADRADO SANGUINO, MANUEL, ES
[72] IBANEZ, PAUL, US
[71] INSERAIL, S.L., ES
[71] TELEFONOS, LINEAS Y CENTRALES, S.A., ES
[71] FUNDACION CAMINOS DE HIERRO PARA LA INVESTIGACION Y LA INGENIERIA FERROVIARIA, ES
[71] UNIVERSITAT POLITECNICA DE VALENCIA, ES
[85] 2020-11-04
[86] 2019-05-08 (PCT/ES2019/070302)
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[30] ES (P201800121) 2018-05-09

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[51] **Int.Cl. C07D 207/46 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 209/56 (2006.01)**
[25] EN
[54] **COMPOUNDS COMPRISING A LINKER FOR INCREASING TRANSCYCLOOCTENE STABILITY**
[54] **COMPOSES COMPRENANT UN LIEUR POUR AUGMENTER LA STABILITE DE TRANSCYCLOOCTENE**
[72] ROBILLARD, MARC STEFAN, NL
[72] ROSSIN, RAFFAELLA, NL
[72] VERSTEEGEN, RONNY MATHIEU, NL
[71] TAGWORKS PHARMACEUTICALS B.V., NL
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[86] 2019-05-06 (PCT/NL2019/050272)
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[30] EP (18170937.9) 2018-05-04

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[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR AUTOMATING WORKFLOWS IN A DISTRIBUTED SYSTEM**
[54] **SYSTEMES ET PROCEDE D'AUTOMATISATION DE FLUX DE TRAVAIL DANS UN SYSTEME REPARTI**
[72] PARIKH, VISHAL DILIPKUMAR, US
[72] RATNER, WILLIAM STUART, US
[72] RAWAL, AKSHAR, US
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2020-11-04
[86] 2019-05-08 (PCT/IB2019/053795)
[87] (WO2019/215647)
[30] US (62/668,349) 2018-05-08
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[51] **Int.Cl. A61C 5/80 (2017.01) A61C 1/00 (2006.01) A61C 3/04 (2006.01) A61C 19/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DENTAL CLAMPING**
[54] **APPAREIL ET PROCEDE DE SERRAGE DENTAIRE**
[72] JACKSON, JAMES, CA
[72] MULLER, NATHAN JOHN, CA
[72] KING, BRIAN EDWARD, CA
[72] LILLIS, ALEC JOHN, CA
[72] CIRIELLO, CHRISTOPHER JOHN, US
[71] CYBERDONTICS (USA), INC., US
[85] 2020-11-04
[86] 2019-05-09 (PCT/IB2019/000578)
[87] (WO2019/215511)
[30] US (62/669,934) 2018-05-10
[30] US (62/727,390) 2018-09-05
[30] US (62/755,961) 2018-11-05
[30] US (62/755,989) 2018-11-05
[30] US (62/830,951) 2019-04-08

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[51] **Int.Cl. G06Q 50/06 (2012.01) G06Q 20/06 (2012.01) G06Q 20/14 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM AND PAYMENT METHOD**
[54] **SYSTEME ET PROCEDE DE PAIEMENT**
[72] KIM, MIN SOO, KR
[71] NURIFLEX INC., US
[71] NURI TELECOM CO., LTD., KR
[85] 2020-09-18
[86] 2018-03-21 (PCT/KR2018/003287)
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[30] KR (10-2018-0032391) 2018-03-21

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[51] **Int.Cl. G06F 21/00 (2013.01) G06F 17/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DEFINING ROLES IN AN IDENTITY AND ACCESS MANAGEMENT SYSTEM**
[54] **PROCEDE ET SYSTEME DE DEFINITION DE ROLES DANS UN SYSTEME DE GESTION D'IDENTITE ET D'ACCES**
[72] MORIN, LOUIS PHILIP, CA
[72] HAMELIN, BENOIT, CA
[72] LALONDE LEVESQUE, FANNY, CA
[72] BIGAOUETTE, NICOLAS, CA
[72] MICHAUD, FREDERIC, CA
[72] GINGRAS, ERIC, CA
[72] TESTUD, JEAN-CHRISTOPHE, CA
[72] MARCOTTE, ETIENNE, CA
[72] ST-LOUIS, PATRICK, CA
[71] ELEMENT AI INC., CA
[85] 2020-11-04
[86] 2019-05-10 (PCT/IB2019/053897)
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[30] US (62/669,591) 2018-05-10

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[51] **Int.Cl. A61M 1/38 (2006.01) A61M 1/26 (2006.01) A61M 1/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZATION OF PLASMA COLLECTION VOLUMES**
[54] **SYSTEMES ET PROCEDES D'OPTIMISATION DE VOLUMES DE COLLECTE DE PLASMA**
[72] PATEL, AMIT J., US
[72] PLANAS, SAMANTHA M., US
[72] WATTS, WALTER T., US
[72] MIN, KYUNGYOON, US
[72] BOGGS, DANIEL R., US
[71] FENWAL, INC., US
[85] 2020-11-04
[86] 2019-05-21 (PCT/US2019/033318)
[87] (WO2019/226654)
[30] US (62/674,144) 2018-05-21
[30] US (62/752,480) 2018-10-30
[30] US (62/846,400) 2019-05-10

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[51] **Int.Cl. A61C 1/00 (2006.01) A61B 34/20 (2016.01) A61C 1/02 (2006.01)**
[25] EN
[54] **AUTOMATED DENTAL DRILL**
[54] **FRAISE DENTAIRE AUTOMATISEE**
[72] CIRIELLO, CHRISTOPHER JOHN, CA
[72] JACKSON, JAMES, CA
[72] MULLER, NATHAN JOHN, CA
[72] KING, BRIAN EDWARD, CA
[71] CYBERDONTICS (USA), INC., US
[85] 2020-11-04
[86] 2019-05-09 (PCT/IB2019/000581)
[87] (WO2019/215512)
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[30] US (62/755,989) 2018-11-05
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[51] **Int.Cl. A61K 39/29 (2006.01) A61K 9/06 (2006.01) A61K 9/12 (2006.01) A61K 47/32 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **HEPATITIS B VACCINE TRANSNASAL ADMINISTRATION SYSTEM**
[54] **SYSTEME D'ADMINISTRATION TRANSNASALE DE VACCIN CONTRE L'HEPATITE B**
[72] KAMISHITA, TAIZOU, JP
[72] MIYAZAKI, TAKASHI, JP
[72] HIASA, YOICHI, JP
[72] SHEIKH MOHAMMAD, FAZLE AKBAR, JP
[72] YOSHIDA, OSAMU, JP
[72] AGUILAR RUBIDO, JULIO CESAR, CU
[72] GUILLEN NIETO, GERARDO ENRIQUE, CU
[72] PENTON ARIAS, EDUARDO, CU
[71] TOKO YAKUHIN KOGYO CO., LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION EHIME UNIVERSITY, JP
[71] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
[85] 2020-11-04
[86] 2019-06-04 (PCT/JP2019/022136)
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[30] JP (2018-107797) 2018-06-05

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[51] **Int.Cl. E21B 21/12 (2006.01) E21B 4/14 (2006.01) E21B 17/18 (2006.01) E21B 17/20 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **PNEUMATIC DRILLING WITH PACKER SLIDEABLE ALONG STEM DRILL ROD**
[54] **FORAGE PNEUMATIQUE A GARNITURE D'ETANCHEITE POUVANT COULISSER LE LONG D'UNE TIGE DE FORAGE**
[72] VINCENT, ROBERT F., US
[72] MENEGHINI, ROBERT J., US
[72] FLYNN, DAVID T., US
[71] NUMA TOOL COMPANY, US
[85] 2020-11-04
[86] 2019-05-30 (PCT/US2019/034633)
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[30] US (62/677,948) 2018-05-30

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[51] **Int.Cl. A61K 47/64 (2017.01) A61K 31/5365 (2006.01) A61K 31/704 (2006.01) A61K 47/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TARGETING M2-LIKE TUMOR-ASSOCIATED MACROPHAGES BY USING MELITTIN-BASED PRO-APOPTOTIC PEPTIDE**
[54] **CIBLAGE DE MACROPHAGES ASSOCIES A UNE TUMEUR DE TYPE M2 PAR L'UTILISATION D'UN PEPTIDE PRO-APOPTOTIQUE A BASE DE MELITTINE**
[72] BAE, HYUNSU, KR
[72] LEE, CHAN-JU, KR
[72] JEONG, JIN-HYUN, KR
[72] LEE, GA HYUN, KR
[72] KIM, JEONG-DONG, KR
[71] TWINPIGBIOLAB INC., KR
[85] 2020-11-04
[86] 2019-05-07 (PCT/KR2019/005438)
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[30] KR (10-2018-0051800) 2018-05-04

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[51] **Int.Cl. G01N 27/00 (2006.01) G01N 1/28 (2006.01) G01N 33/487 (2006.01)**
[25] EN
[54] **SIMPLIFIED BIOSAMPLE PROCESSING FOR LC-MS/MS**
[54] **TRAITEMENT D'ECHANTILLON BIOLOGIQUE SIMPLIFIE POUR LC-MS/MS**
[72] SHUFORD, CHRISTOPHER MICHAEL, US
[72] GRANT, RUSSELL PHILIP, US
[72] BRADLEY, MEGHAN NORRIS, US
[72] HOLLAND, PATRICIA LOUISE MILLER, US
[72] LEVANDOSKI, MICHAEL, US
[72] CRAWFORD, MATTHEW LEE FRANCIS, US
[72] COLLIER, BRADLEY, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2020-11-04
[86] 2019-05-31 (PCT/US2019/034916)
[87] (WO2019/232381)
[30] US (62/679,133) 2018-06-01
[30] US (62/679,286) 2018-06-01
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[51] **Int.Cl. F17C 7/00 (2006.01) F03D 9/17 (2016.01) B65G 5/00 (2006.01) F17B 1/16 (2006.01)**
[25] EN
[54] **A HYDROSTATICALLY COMPENSATED COMPRESSED GAS ENERGY STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE D'ENERGIE PAR GAZ COMPRIME AVEC COMPENSATION HYDROSTATIQUE**
[72] LEWIS, CAMERON, CA
[72] YOUNG, DAVIN, CA
[72] THEXTON, LUCAS, CA
[72] BURTNEY, JOSH, CA
[72] ROSS, TIMOTHY, US
[71] HYDROSTOR INC., CA
[85] 2020-11-05
[86] 2019-05-17 (PCT/CA2019/050680)
[87] (WO2019/218085)
[30] US (62/672,785) 2018-05-17
[30] US (62/789,240) 2019-01-07

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[51] **Int.Cl. E04C 1/00 (2006.01) B28B 1/04 (2006.01) E02D 29/02 (2006.01) B28B 7/22 (2006.01)**
[25] EN
[54] **CONCRETE BUILDING BLOCK AND METHODS**
[54] **BLOC DE CONSTRUCTION EN BETON ET PROCEDES**
[72] CASTONGUAY, BERTIN, CA
[72] LACAS, MARC-ANDRE, CA
[72] DECLOS, ROBERT, CA
[71] OLDCASTLE BUILDING PRODUCTS CANADA INC., CA
[85] 2020-11-04
[86] 2019-05-17 (PCT/IB2019/000605)
[87] (WO2019/224599)
[30] US (62/674,162) 2018-05-21

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 9/51 (2006.01) A61K 39/395 (2006.01) A61K 49/18 (2006.01)**
[25] EN
[54] **NANOPARTICLES FOR CROSSING THE BLOOD BRAIN BARRIER AND METHODS OF TREATMENT USING THE SAME**
[54] **NANOPARTICULES PERMETTANT DE TRAVERSER LA BARRIERE HEMATOENCEPHALIQUE ET METHODES DE TRAITEMENT FAISANT APPEL A CELLE-CI**
[72] DAVIS, MARK E., US
[72] WYATT, EMILY A., US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2020-11-04
[86] 2019-06-12 (PCT/US2019/036682)
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[30] US (62/684,593) 2018-06-13

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[51] **Int.Cl. A01K 67/027 (2006.01)**
[25] EN
[54] **A RODENT MODEL OF FIBRODYSPLASIA OSSIFICANS PROGRESSIVA**
[54] **MODELE DE RONGEUR A FIBRODYSPLASIE OSSIFIANTE PROGRESSIVE**
[72] HATSELL, SARAH J., US
[72] ECONOMIDES, ARIS N., US
[72] SCHOENHERR, CHRISTOPHER, US
[72] IDONE, VINCENT J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-11-04
[86] 2019-06-12 (PCT/US2019/036719)
[87] (WO2019/241350)
[30] US (62/684,582) 2018-06-13
[30] US (62/828,532) 2019-04-03

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[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/34 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **BLOOD TREATMENT MACHINE WITH BLOOD PRESSURE MEASUREMENT NOTIFICATION**
[54] **MACHINE DE TRAITEMENT DU SANG AVEC NOTIFICATION DE MESURE DE PRESSION SANGUINE**
[72] YUDS, DAVID, US
[72] CRNKOVICH, MARTIN JOSEPH, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-11-04
[86] 2019-06-14 (PCT/US2019/037300)
[87] (WO2019/245918)
[30] US (16/012,360) 2018-06-19

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06K 9/00 (2006.01) G06K 9/66 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR AUTOMATICALLY DEFINING COMPUTER-AIDED DESIGN FILES USING MACHINE LEARNING, IMAGE ANALYTICS, AND/OR COMPUTER VISION**
[54] **PROCEDES ET APPAREIL POUR DEFINIR AUTOMATIQUEMENT DES FICHIERS DE CONCEPTION ASSISTEE PAR ORDINATEUR A L'AIDE D'UN APPRENTISSAGE AUTOMATIQUE, D'UNE ANALYSE D'IMAGES ET/OU D'UNE VISION ARTIFICIELLE**
[72] MORCZINEK, DAVID, US
[72] KERSNOWSKI, ADAM, US
[72] PETKOVA, MIRELA, US
[72] SHINDAY, NIKHIL, US
[72] DOUBENSKI, MAXIM, US
[71] AIRWORKS SOLUTIONS, INC., US
[85] 2020-11-04
[86] 2018-11-02 (PCT/US2018/058953)
[87] (WO2019/090072)
[30] US (62/580,933) 2017-11-02

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[13] A1
[51] **Int.Cl. G06F 21/33 (2013.01) G06F 21/10 (2013.01) G06F 21/60 (2013.01) G06K 19/06 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURING ELECTRONIC DOCUMENT EXECUTION AND AUTHENTICATION**
[54] **SYSTEME ET PROCEDE DE SECURISATION D'EXECUTION ET D'AUTHENTIFICATION DE DOCUMENT ELECTRONIQUE**
[72] HADI, SHAMSH S., US
[71] ENTRUST & TITLE (FZE), AE
[85] 2020-11-04
[86] 2019-05-01 (PCT/IB2019/000612)
[87] (WO2019/211669)
[30] US (62/666,339) 2018-05-03

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[51] **Int.Cl. C12N 1/19 (2006.01) C12N 15/113 (2010.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61K 36/06 (2006.01) A61K 38/16 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **YEAST FOR PRODUCING AND DELIVERING RNA BIOACTIVE MOLECULES AND METHODS AND USES THEREOF**
[54] **LEVURE POUR PRODUIRE ET LIBERER DES MOLECULES BIOACTIVES D'ARN, PROCEDES ET UTILISATIONS DE CELLE-CI**
[72] BRIMACOMBE, CEDRIC ARTHUR, CA
[72] DAHABIEH, MATTHEW S., CA
[72] DING, HAO, CA
[72] HUNG, JASON KEN-SHUN, CA
[72] HUSNIK, JOHN IVAN, CA
[72] SNOWDON, CHRISTOPHER, CA
[72] WANG, YE, CA
[71] RENAISSANCE BIOSCIENCE CORP., CA
[85] 2020-11-05
[86] 2019-05-08 (PCT/CA2019/050610)
[87] (WO2019/213761)
[30] US (62/669,118) 2018-05-09

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[13] A1
[51] **Int.Cl. A61K 36/63 (2006.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A23L 33/16 (2016.01) A61P 35/00 (2006.01)**
[25] EN
[54] **EXTRACT OF VEGETATION WATERS FOR USE IN THE TREATMENT AND/OR IN THE PREVENTION OF PROSTATE CANCER**
[54] **EXTRAIT D'EAUX DE VEGETATION DESTINE A ETRE UTILISE DANS LE TRAITEMENT ET/OU LA PREVENTION DU CANCER DE LA PROSTATE**
[72] LO FRANCO, GIANNI, IT
[72] LO FRANCO, ANTONIO, IT
[72] LO FRANCO, BANDINO, IT
[72] ALBINI, ADRIANA, IT
[72] BACI, DENISA, IT
[72] BRUNO, ANTONINO, IT
[72] NOONAN, DOUGLAS, IT
[72] TRAMACERE, MATILDE ELENA, IT
[71] FATTORIA LA VIALLA DI GIANNI, ANTONIO E BANDINO LO FRANCO - SOCIETA' AGRICOLA SEMPLICE, IT
[85] 2020-11-04
[86] 2019-03-27 (PCT/IB2019/052476)
[87] (WO2019/215518)
[30] IT (102018000005151) 2018-05-08

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[13] A1
[51] **Int.Cl. B03B 7/00 (2006.01) B03B 9/00 (2006.01)**
[25] EN
[54] **UNDERGROUND COAL PREPARATION PROCESS**
[54] **PROCEDE DE PREPARATION DE CHARBON SOUTERRAIN**
[72] GUI, XIAHUI, CN
[72] LIU, MIN, CN
[72] XING, YAOWEN, CN
[72] XIA, YANGCHAO, CN
[72] CAO, YIJUN, CN
[72] LUO, JIAQIAN, CN
[72] LIU, PEIKUN, CN
[72] WANG, ZHIGANG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[71] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[71] JINYITONG SCI.&TECH. BEIJING, CN
[85] 2020-11-05
[86] 2019-04-22 (PCT/CN2019/083665)
[87] (WO2020/181618)
[30] CN (201910174675.0) 2019-03-08

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[51] **Int.Cl. G01N 21/71 (2006.01) G01J 3/18 (2006.01)**
[25] EN
[54] **HYBRID LASER-INDUCED BREAKDOWN SPECTROSCOPY SYSTEM**
[54] **SYSTEME DE SPECTROSCOPIE PAR CLAQUAGE LASER HYBRIDE**
[72] BOUCHARD, PAUL, CA
[72] SABSABI, MOHAMAD, CA
[72] BLOUIN, ALAIN, CA
[72] PADIOLEAU, CHRISTIAN, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2020-11-05
[86] 2019-05-09 (PCT/CA2019/050615)
[87] (WO2019/213765)
[30] US (62/670,399) 2018-05-11

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[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/18 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES WITH CLEAVABLE C-TERMINAL CHARGE-PAIRED TAGS**
[54] **ANTICORPS BISPECIFIQUES AYANT DES ETIQUETTES APPAIREES A DES CHARGES C-TERMINALES CLIVABLES**
[72] KAWOOYA, JOHN K, US
[72] JACOBITZ, ALEX W, US
[72] MOHR, CHRISTOPHER, US
[72] SMITH, STEPHEN, US
[72] GRAHAM, KEVIN, US
[72] LOW, RAY LIEH YOON, US
[72] THIEL, OLIVER, US
[72] ROMANINI, DANTE, US
[72] WAGNER, VICTORIA, US
[72] AGRAWAL, NEERAJ J, US
[71] AMGEN INC., US
[85] 2020-11-04
[86] 2019-05-08 (PCT/US2019/031379)
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[30] US (62/668,626) 2018-05-08

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[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 17/34 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PUNCTURING TISSUE**
[54] **PROCEDES ET DISPOSITIFS POUR LE PERCEMENT D'UN TISSU**
[72] URBANSKI, JOHN PAUL, CA
[72] SAMIEE-ZAFARGHANDY, MAHBAN, CA
[72] LUK, MARIA, CA
[72] KLEIN, JAMES DYLAN, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2020-11-04
[86] 2019-05-07 (PCT/IB2019/053745)
[87] (WO2019/215618)
[30] US (62/668,396) 2018-05-08

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[13] A1
[51] **Int.Cl. F17C 7/00 (2006.01) F03D 9/17 (2016.01) B65G 5/00 (2006.01) F17B 1/16 (2006.01) F17C 5/06 (2006.01)**
[25] EN
[54] **A HYDROSTATICALLY COMPRESSED GAS ENERGY STORAGE SYSTEM**
[54] **SYSTEME D'ACCUMULATION D'ENERGIE DE GAZ COMPRIME DE MANIERE HYDROSTATIQUE**
[72] BURTNEY, JOSH, CA
[72] LEWIS, CAMERON, CA
[72] THEXTON, LUCAS, CA
[72] YOUNG, DAVIN, CA
[71] HYDROSTOR INC., CA
[85] 2020-11-05
[86] 2019-05-17 (PCT/CA2019/050679)
[87] (WO2019/218084)
[30] US (62/672,785) 2018-05-17

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[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01)**
[25] EN
[54] **METHODS AND APPLICATIONS FOR PROVIDING EDUCATIONAL GUIDANCE FOR PERIPHERAL IV THERAPY**
[54] **PROCEDES ET APPLICATIONS POUR FOURNIR UN GUIDAGE EDUCATIF POUR UNE THERAPIE PAR VOIE INTRAVEINEUSE PERIPHERIQUE**
[72] GIRIJAVALLABHAN, RESHMA C., US
[72] FERRARA, MICHAEL S., US
[72] LAJOIE, JUDITH A., US
[72] HILLYER, SHANNON, US
[72] FLEMING, SUSAN, CA
[72] MAHTAB, AJOY C., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-11-04
[86] 2019-05-09 (PCT/US2019/031583)
[87] (WO2019/222028)
[30] US (62/672,990) 2018-05-17
[30] US (16/143,089) 2018-09-26

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[51] **Int.Cl. B05B 7/26 (2006.01) B05B 7/16 (2006.01) B05B 7/24 (2006.01) B29B 7/74 (2006.01) F04B 17/03 (2006.01)**
[25] EN
[54] **APPARATUS FOR DISPENSING A MIXTURE OF AT LEAST TWO LIQUID COMPONENTS**
[54] **APPAREIL DE DISTRIBUTION D'UN MELANGE D'AU MOINS DEUX COMPOSANTS LIQUIDES**
[72] RICOUARD, ALVIN B., US
[72] ORGANO, TROY A., US
[71] AT GROUP, LLC, US
[85] 2020-06-29
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[54] **SUBSTITUTED 2,2'-BIPYRIMIDINYL COMPOUNDS, ANALOGUES THEREOF, AND METHODS USING SAME**
[54] **COMPOSES 2,2'-BIPYRIMIDINYL SUBSTITUES, ANALOGUES DE CEUX-CI, ET PROCEDES LES UTILISANT**
[72] CHEN, SHUAI, US
[72] COLE, ANDREW G., US
[72] DORSEY, BRUCE D., US
[72] DUGAN, BENJAMIN J., US
[72] FAN, YI, US
[72] GOTCHEV, DIMITAR B., US
[72] KAKARLA, RAMESH, US
[72] QUINTERO, JORGE, US
[72] SOFIA, MICHAEL J., US
[71] ARBUTUS BIOPHARMA CORPORATION, CA
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[54] **PROCESS FOR MAKING A PORTABLE BEVERAGE PRODUCT AND A FILLING LINE THEREFORE**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT DE BOISSON PORTABLE ET LIGNE DE REMPLISSAGE ASSOCIEE**
[72] BRIZIO, ADRIANA, CH
[71] ALISTELLA SA, CH
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[54] **ROOF RACK FIXING STRUCTURE**
[54] **STRUCTURE DE VERROUILLAGE DE GALERIE DE TOIT A USAGE GENERAL ET SPECIALISEE**
[72] YANG, MINGSHUN, CN
[71] FORMOSA SAINT JOSE CORP., TW
[85] 2020-11-05
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[54] **USER TERMINAL AND RADIO BASE STATION**
[54] **TERMINAL D'UTILISATEUR ET STATION DE BASE RADIO**
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
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[54] **FLEXIBLE MEMBRANE WITH VALVE**
[54] **MEMBRANE SOUPLE AVEC VALVE**
[72] HOLKA, SIMON, SE
[72] HALLIN, MAX, SE
[71] AR PACKAGING SYSTEMS AB, SE
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[54] **COUPLING MECHANISMS FOR DEVICES**
[54] **SYSTEME D'ACCOUPLEMENT POUR DISPOSITIFS MEDICAUX**
[72] ARNETT, JEFFERY, US
[72] CHEHADE, MOUSSA, CA
[72] URBANSKI, JOHN PAUL, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2020-11-04
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[54] **METHOD FOR MANUFACTURING SPRING AND SPRING**
[54] **PROCEDE DE FABRICATION DE RESSORT ET RESSORT**
[72] YAMAZAKI, TOMOHIRO, JP
[72] KINO, FUMIHIRO, JP
[72] FUKUDA, YOSHIZUMI, JP
[72] SODA, YUJI, JP
[71] MITSUBISHI STEEL MFG. CO., LTD., JP
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[54] **MOVING HANDRAIL PRODUCTION METHOD**
[54] **PROCEDE DE PRODUCTION DE MAIN COURANTE MOBILE**
[72] NAKAMURA, RYUMA, JP
[72] NISHIMURA, YOSHITOMO, JP
[72] HADA, TOMOKO, JP
[72] TAKEYAMA, HIDETOSHI, JP
[72] NOZUE, SAMITO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[25] EN
[54] **COMPOSITE TUNGSTEN OXIDE FILM AND METHOD FOR PRODUCING SAME, AND FILM-DEPOSITED BASE MATERIAL AND ARTICLE EACH PROVIDED WITH SAID FILM**
[54] **FILM COMPOSITE D'OXYDE DE TUNGSTENE ET SON PROCEDE DE PRODUCTION, ET SUBSTRAT ET ARTICLE FORMES D'UN FILM COMPORTANT CHACUN LEDIT FILM**
[72] SATO, KEIICHI, JP
[72] ANDO, ISAO, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2020-11-05
[86] 2019-04-17 (PCT/JP2019/016401)
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[54] **BELTING WITH LONGITUDINAL COGS**
[54] **CEINTURE A DENTS LONGITUDINALES**
[72] BATU, NERI PRESTES, US
[72] HAUGEN, CHAD R., US
[71] WCCO BELTING, INC., US
[85] 2020-11-05
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[54] **SPECTROMETERS AND INSTRUMENTS INCLUDING THEM**
[54] **SPECTROMETRES ET INSTRUMENTS LES COMPRENANT**
[72] FARSAD, MAHSA, US
[72] AIKENS, DAVID, US
[71] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2020-11-05
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[54] **METHODS AND COMPOSITIONS RELATED TO THE NEXT GENERATION VACCINE**
[54] **PROCEDES ET COMPOSITIONS ASSOCIES A LA VACCINATION DE NOUVELLE GENERATION**
[72] PICKING, WENDY L., US
[72] PICKING, WILLIAM D., US
[71] UNIVERSITY OF KANSAS, US
[85] 2020-11-05
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[54] **COMBINATION COMPOSITIONS COMPRISING BISFLUOROALKYL-1,4-BENZODIAZEPINONE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE COMBINAISON COMPRENANT DES COMPOSES DE BISFLUOROALKYLE-1,4-BENZODIAZEPINONE ET LEURS PROCEDES D'UTILISATION**
[72] DAVIS, MATTI, IL
[71] AYALA PHARMACEUTICALS INC., US
[85] 2020-11-05
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[54] **MULTIFUNCTIONAL COATINGS AND ADHESIVE COMPOSITIONS FOR FASTENERS**
[54] **REVETEMENTS MULTIFONCTIONNELS ET COMPOSITIONS ADHESIVES POUR ELEMENTS DE FIXATION**
[72] CARLSON, DAVID, US
[72] FOUKES, RICHARD JOHN, US
[72] RAWLS, NORMAN MARTIN, US
[72] SNYDER, DESIREE NICOLE, US
[72] CIACIUCH, CAVIN WAYNE, US
[71] ND INDUSTRIES, INC., US
[85] 2020-11-05
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[54] **MEDICAL LUBRICANT**
[54] **LUBRIFIANT MEDICAL**
[72] BARKER, ALAN THOMAS, US
[72] CLEMENT, THOMAS P., US
[71] KVI LLC, US
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[54] **MACROCYCLIC KINASE INHIBITOR**
[54] **INHIBITEUR DE KINASE MACROCYCLIQUE**
[72] LI, JIN, CN
[72] ZHANG, DENGYOU, CN
[72] FENG, JINGCHAO, CN
[72] WANG, ZHI, CN
[72] PAN, LEICHANG, CN
[72] HU, JING, CN
[72] CHEN, WEI, CN
[71] HITGEN INC., CN
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[54] **NUCLEIC ACID FOR TREATING MITE ALLERGY**
[54] **ACIDE NUCLEIQUE POUR TRAITEMENT DE D'ALLERGIE AUX ACARIENS**
[72] MARUI, TAKANORI, JP
[72] UCHIDA, MASAO, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2020-11-05
[86] 2019-05-10 (PCT/JP2019/018657)
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[54] **FUSOSOME COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE FUSOSOME ET LEURS UTILISATIONS**
[72] VON MALTZAHN, GEOFFREY A., US
[72] RUBENS, JACOB ROSENBLUM, US
[72] MEE, MICHAEL TRAVIS, US
[72] MILWID, JOHN MILES, US
[72] GORDON, NEAL FRANCIS, US
[72] SHAH, JAGESH VIJAYKUMAR, US
[72] TRUDEAU, KYLE MARVIN, US
[72] HARTLEY, BRIGHAM JAY, US
[72] JONES, PETER ANTHONY, US
[71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
[85] 2020-11-05
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[54] **INDUSTRIAL FABRIC**
[54] **TISSU INDUSTRIEL**
[72] INOUE, KEISUKE, JP
[72] EGAWA, TORU, JP
[72] YANAI, HIDEYUKI, JP
[71] NIPPON FILCON CO., LTD, JP
[85] 2020-11-05
[86] 2019-04-18 (PCT/JP2019/016560)
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[30] JP (2018-090299) 2018-05-09

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[25] EN
[54] **NUCLEIC ACID FOR TREATING CRUSTACEAN ALLERGY**
[54] **ACIDE NUCLEIQUE POUR TRAITEMENT DE D'ALLERGIE AUX CRUSTACES**
[72] MARUI, TAKANORI, JP
[71] ASTELLAS PHARMA INC., JP
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[86] 2019-05-10 (PCT/JP2019/018659)
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[54] **COUNTING GAMING CHIPS**
[54] **COMPTAGE DE JETONS DE JEU**
[72] GELINOTTE, EMMANUEL, FR
[72] REED, JEFFREY L., US
[71] GAMING PARTNERS INTERNATIONAL USA, INC., US
[85] 2020-11-05
[86] 2019-05-09 (PCT/US2019/031452)
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[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6844 (2018.01) C12M 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR PERFORMING SINGLE-CELL ANALYSIS AND DEVICE THEREFOR**
[54] **PROCEDE DE REALISATION D'ANALYSE DE CELLULES UNIQUES ET DISPOSITIF ASSOCIE**
[72] HOSOKAWA, MASAHITO, JP
[72] TAKEYAMA, HARUKO, JP
[72] NISHIKAWA, YOHEI, JP
[72] KOGAWA, MASATO, JP
[71] BITBIOME, INC., JP
[85] 2020-11-05
[86] 2019-04-26 (PCT/JP2019/017952)
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[51] **Int.Cl. G06F 16/24 (2019.01) G06F 16/2458 (2019.01) G06F 16/9032 (2019.01)**
[25] EN
[54] **SYSTEM, DEVICE, AND METHOD FOR AN ELECTRONIC DIGITAL ASSISTANT RECOGNIZING AND RESPONDING TO AN AUDIO INQUIRY BY GATHERING INFORMATION DISTRIBUTED AMONGST USERS IN REAL-TIME AND PROVIDING A CALCULATED RESULT**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DESTINES A UN ASSISTANT NUMERIQUE ELECTRONIQUE RECONNAISSANT ET REPONDANT A UNE INTERROGATION AUDIO PAR COLLECTE D'INFORMATIONS DISTRIBUEES PARMI DES UTILISATEURS EN TEMPS REEL ET PRODUISANT UN RESULTAT CALCULE**
[72] STEFANSKI, MARIUSZ, PL
[72] MASLOWSKI, KORNEL, PL
[72] MAJCHERCZYK, DARIUSZ, PL
[72] GUSTOF, GRZEGORZ, PL
[71] MOTOROLA SOLUTIONS, INC, US
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[25] EN
[54] **PAPER STRENGTH IMPROVING COMPOSITION, MANUFACTURE THEREOF AND USE IN PAPER MAKING**
[54] **COMPOSITION AMELIORANT LA RESISTANCE DU PAPIER, FABRICATION DE CELLE-CI ET SON UTILISATION DANS LA PRODUCTION DE PAPIER**
[72] LUO, YUPING, US
[72] CHEN, JUNHUA, US
[72] DANG, ZHENG, US
[71] KEMIRA OYJ, FI
[85] 2020-11-05
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[54] **HYBRID BATCH AND LIVE NATURAL LANGUAGE PROCESSING**
[54] **TRAITEMENT DE LANGAGE NATUREL PAR LOTS ET EN DIRECT HYBRIDE**
[72] ELLENBERGER, BRIAN, US
[72] POLZIN, THOMAS, US
[72] DEVARAJAN, RAJESH, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-11-05
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[30] US (62/668,330) 2018-05-08

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[25] EN
[54] **MAGNETIC LIPOSOMES AND RELATED TREATMENT AND IMAGING METHODS**
[54] **LIPOSOMES MAGNETIQUES ET PROCEDES D'IMAGERIE ET METHODES DE TRAITEMENT ASSOCIES**
[72] GRIPPIN, ADAM J., US
[72] MITCHELL, DUANE, US
[72] DOBSON, JON P., US
[72] SAYOUR, ELIAS, US
[72] MONSALVE, ADAM, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
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[25] EN
[54] **ADJUSTMENT OF ANALGESIC STIMULATION PARAMETERS BASED ON TRUST DYNAMIC MEASUREMENTS**
[54] **AJUSTEMENT DE PARAMETRES DE STIMULATION ANALGESIQUE SUR LA BASE DE MESURES DYNAMIQUES DE CONFIANCE**
[72] KOZLOSKI, JAMES R., US
[72] KALIA, ANUP, US
[72] ROGERS, JEFFREY, US
[72] BERGER, SARA E., US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
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[30] US (62/675,000) 2018-05-22

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[25] EN
[54] **GAPMERS AND METHODS OF USING THE SAME FOR TREATMENT OF MUSCULAR DYSTROPHY**
[54] **GAPMERES ET PROCEDES D'UTILISATION DE CES DERNIERS POUR LE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE**
[72] ECHIGOYA, YUSUKE, JP
[72] CHEN, YI-WEN, US
[72] YOKOTA, TOSHIFUMI, CA
[72] YOKOTA-MARUYAMA, RIKA, CA
[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[71] ECHIGOYA, YUSUKE, JP
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[25] EN
[54] **ADAPTIVE ELECTRICAL NEUROSTIMULATION TREATMENT TO REDUCE PAIN PERCEPTION**
[54] **TRAITEMENT ADAPTATIF PAR NEUROSTIMULATION ELECTRIQUE POUR REDUIRE LA PERCEPTION DE LA DOULEUR**
[72] LIN, QINGHUANG, US
[72] ROGERS, JEFFREY, US
[72] RUSSO, GIOVANNI, IE
[72] SIMONETTO, ANDREA, IE
[72] TCHRAKIAN, TIGRAN, IE
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
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[54] **SINGLE CELL MAPPING AND TRANSCRIPTOME ANALYSIS**
[54] **MAPPAGE DE CELLULES INDIVIDUELLES ET ANALYSES DE TRANSCRIPTOME**
[72] KRUMMEL, MATTHEW, US
[72] HU, KENNETH HSUEH-HENG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **POLY(ETHYLENE TEREPHTHALATE)-GRAPHENE NANOCOMPOSITES FROM IMPROVED DISPERSION**
[54] **NANOCOMPOSITES DE POLY(TEREPHTALATE D'ETHYLENE)-GRAPHENE A DISPERSION AMELIOREE**
[72] HANAN, JAY CLARKE, US
[72] SHABAFROOZ, VAHID, US
[71] NIAGARA BOTTLING, LLC, US
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[25] EN
[54] **DISTRIBUTED CONTROL SYSTEM USING ASYNCHRONOUS SERVICES IN A WELLBORE**
[54] **SYSTEME DE COMMANDE DISTRIBUE UTILISANT DES SERVICES ASYNCHRONES DANS UN PUITS DE FORAGE**
[72] WISE, MATTHEW EDWIN, US
[72] MAROTTA, EGIDIO, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-11-05
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[25] EN
[54] **SYSTEMS, METHODS AND KITS FOR MICROPROPAGATION OF CANNABIS**
[54] **SYSTEMES, PROCEDES ET KITS POUR LA MICROPROPAGATION DU CANNABIS**
[72] ZAPATA CARRERO, CARMEN CECILIA, US
[72] SARMIENTO, CAROLINA, US
[72] VAUGHT, JONATHAN DAVID, US
[71] FRONT RANGE BIOSCIENCES, INC., US
[85] 2020-11-05
[86] 2019-05-10 (PCT/US2019/031759)
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[30] US (62/670,198) 2018-05-11

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[54] **SMART DEVICE CONCEALMENT PENDANT SYSTEM**
[54] **SYSTEME DE PENDENTIF DE DISSIMULATION DE DISPOSITIF INTELLIGENT**
[72] DIMEGLIO, DAWN, US
[71] INTERLOKIT INC., US
[85] 2020-11-05
[86] 2018-12-13 (PCT/US2018/065402)
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[25] EN
[54] **COMPOSITIONS COMPRISING GLUCOSE AND HEMICELLULOSE AND THEIR USE**
[54] **COMPOSITIONS COMPRENANT DU GLUCOSE ET DE L'HEMICELLULOSE ET LEUR UTILISATION**
[72] RICHARD, ANDREW, CA
[72] D'AGOSTINO, DENNIS, CA
[72] TROYER, RICHARD LLOYD, JR., US
[71] COMET BIOREFINING INC., CA
[85] 2020-11-05
[86] 2019-05-10 (PCT/US2019/031760)
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[54] **GENERATIVE SCENT DESIGN SYSTEM**
[54] **SYSTEME GENERATIF DE CONCEPTION DE PARFUM**
[72] DUERINCK, FREDERIK, NL
[72] MEEUWENOORD, C.M.J., NL
[71] SCENTRONIX INC., US
[85] 2020-11-05
[86] 2019-05-07 (PCT/US2019/031217)
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[25] EN
[54] **PORTABLE SELF-STANDING HAMMOCK FRAME WITH SHORTENED HAMMOCK AND METHOD FOR SUSPENDING SHORTENED HAMMOCK ON A FRAME**
[54] **CADRE DE HAMAC AUTONOME PORTABLE AVEC HAMAC RACCOURCI ET PROCEDE DE SUSPENSION DE HAMAC RACCOURCI SUR UN CADRE**
[72] DREW, JASON, US
[72] SVENSRUD, CHRISTOPHER, US
[72] ZHUANG, MIN, US
[71] DREW, JASON, US
[71] SVENSRUD, CHRISTOPHER, US
[71] ZHUANG, MIN, US
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[54] **FLUID MIXING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE MELANGE DE FLUIDE**
[72] WRIGHT, STUART FRASER, GB
[71] SENSIA NETHERLANDS B.V., NL
[85] 2020-11-05
[86] 2019-05-08 (PCT/US2019/031227)
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[25] EN
[54] **MEDICAL DEVICE DATA BACK-ASSOCIATION, SYSTEM, APPARATUSES, AND METHODS**
[54] **SYSTEME, APPAREILS ET PROCEDES D'INTEGRATION DE DONNEES DE DISPOSITIF MEDICAL**
[72] HEAVELYN, TROY DAVID, US
[72] ALLEN, CURT MATTHEW, US
[72] FISK, PHILLIP EDWIN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2020-11-05
[86] 2019-05-10 (PCT/US2019/031818)
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[25] EN
[54] **KITS AND METHODS FOR DISPOSING OF LIQUID PHARMACEUTICALS AND DISSOLVED SOLID PHARMACEUTICALS**
[54] **KITS ET PROCEDES D'ELIMINATION DE PRODUITS PHARMACEUTIQUES LIQUIDES ET DE PRODUITS PHARMACEUTIQUES SOLIDES DISSOUS**
[72] SHORT, GREGG R., US
[71] STAR LIBERTY LLC, US
[85] 2020-11-05
[86] 2019-03-28 (PCT/US2019/024535)
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[54] **METHODS OF TREATING CANCER WITH A COMBINATION OF AN ANTI-PD-1 ANTIBODY AND AN ANTI-TISSUE FACTOR ANTIBODY-DRUG CONJUGATE**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE D'UNE COMBINAISON D'UN ANTICORPS ANTI-PD-1 ET D'UN CONJUGUE ANTICORPS ANTI-FACTEUR TISSULAIRE-MEDICAMENT**
[72] RANGWALA, RESHMA ABDULLA, US
[72] BREIJ, ESTHER C.W., NL
[72] VERPLOEGEN, SANDRA, NL
[72] ABIDOYE, OYEWALE O., US
[72] NICACIO, LEONARDO VIANA, US
[72] CAO, ANTHONY, US
[72] GARDAI, SHYRA, US
[71] GENMAB A/S, DK
[71] MSD INTERNATIONAL GMBH, CH
[85] 2020-11-05
[86] 2019-05-07 (PCT/US2019/031166)
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[30] US (62/668,088) 2018-05-07
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[54] **PERIPHERAL DEVICE IDENTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE DISPOSITIF PERIPHERIQUE**
[72] BUTLER, ANDREW, US
[71] SQUARE PANDA INC., US
[85] 2020-11-05
[86] 2019-05-08 (PCT/US2019/031263)
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[25] EN
[54] **PERISTALTIC PUMP OF AN INFUSION SYSTEM FOR DELIVERY OF SMALL VOLUMES OF FLUID**
[54] **POMPE PERISTALTIQUE DE SYSTEME DE PERFUSION PERMETTANT L'ADMINISTRATION DE PETITS VOLUMES DE LIQUIDE**
[72] MAINZ, GABRIEL, US
[71] CAREFUSION 303, INC., US
[85] 2020-11-05
[86] 2019-05-08 (PCT/US2019/031288)
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[54] **EDIBLE PET CHEW FOR DENTAL CARE OF COMPANION ANIMALS**
[54] **PRODUIT A MACHER COMESTIBLE POUR ANIMAL DE COMPAGNIE DE SOIN DENTAIRE D'ANIMAUX DE COMPAGNIE**
[72] ALBERT, KAREN LORI, US
[71] ALBERT, KAREN LORI, US
[85] 2020-11-05
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[54] **HIGH CONCENTRATION VEGF RECEPTOR FUSION PROTEIN CONTAINING FORMULATIONS**
[54] **FORMULATIONS CONTENANT DES PROTEINES DE FUSION DU RECEPTEUR VEGF A HAUTE CONCENTRATION**
[72] GRAHAM, KENNETH S., US
[72] WADHWA, SAURABH, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-11-05
[86] 2019-05-10 (PCT/US2019/031879)
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[30] US (62/669,506) 2018-05-10
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[54] **ANALYSIS AND PRESENTATION OF AGRICULTURAL DATA**
[54] **ANALYSE ET PRESENTATION DE DONNEES AGRICOLES**
[72] BONES, TAVIS, US
[72] STUBER, JAKOB, US
[72] PLATTNER, KYLE, US
[72] MERRYMAN, JOSHUA, US
[72] LISKER, ORIANA, US
[72] SAUDER, DOUG, US
[72] BARRON, CHRISTOPHER H., US
[71] THE CLIMATE CORPORATION, US
[85] 2020-11-05
[86] 2019-05-08 (PCT/US2019/031340)
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[25] EN
[54] **ANTI-CD24 COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS ANTI-CD24 ET LEURS UTILISATIONS**
[72] LIU, YANG, US
[72] ZHENG, PAN, US
[72] FLORES, RHONDA, US
[72] CHOU, HUNG-YEN, US
[72] XUE, ZHIHONG, US
[72] YE, PEIYING, US
[72] DEVENPORT, MARTIN, US
[71] ONCOIMMUNE, INC., US
[71] CHILDREN'S RESEARCH INSTITUTE, CHILDREN'S NATIONAL MEDICAL CENTER, US
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[51] **Int.Cl. C08G 73/06 (2006.01) A61L 24/04 (2006.01) C08G 83/00 (2006.01)**
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[54] **HIGH PERFORMANCE ADHESIVES; METHODS OF MAKING; AND USE**
[54] **ADHESIFS A HAUTES PERFORMANCES, PROCEDES DE FABRICATION ET UTILISATION ASSOCIES**
[72] SUN, LUYI, US
[72] LIU, LAN, CN
[72] CHEN, SONG, CN
[71] UNIVERSITY OF CONNECTICUT, US
[71] SOUTH CHINA UNIVERSITY OF TECHNOLOGY, CN
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[25] EN
[54] **METHOD AND SYSTEM FOR ABSOLUTE POSITIONING OF AN OBJECT**
[54] **PROCEDE ET SYSTEME DE POSITIONNEMENT ABSOLU D'UN OBJET**
[72] KOHLER, DANIEL, US
[72] SAUER, TERENCE, US
[72] SCHROEDER, DAVID, US
[72] WANZIE, DENNIS, US
[71] PRECISION POINT SYSTEMS, LLC, US
[85] 2020-11-05
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[30] US (62/670,317) 2018-05-11
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[25] EN
[54] **PHOTOGRAPHIC METHOD AND SYSTEM FOR AIDING OFFICIALS IN LOCATING AN OBJECT**
[54] **PROCEDE ET SYSTEME PHOTOGRAPHIQUES POUR AIDER DES OFFICIELS A LOCALISER UN OBJET**
[72] KOHLER, DANIEL, US
[72] SAUER, TERENCE, US
[72] SCHROEDER, DAVID, US
[72] WANZIE, DENNIS, US
[71] PRECISION POINT SYSTEMS, LLC, US
[85] 2020-11-05
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[30] US (62/670,289) 2018-05-11
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[51] **Int.Cl. A61K 31/506 (2006.01) A61K 9/16 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DIAGNOSIS AND TREATMENT OF CONDITIONS RELATED TO AGING**
[54] **COMPOSITIONS ET PROCEDES DE DIAGNOSTIC ET DE TRAITEMENT D'ETATS LIES AU VIEILLISSEMENT**
[72] VENN-WATSON, STEPHANIE, US
[71] EPITRACKER, INC., US
[85] 2020-11-05
[86] 2019-05-14 (PCT/US2019/032274)
[87] (WO2019/222254)
[30] US (62/672,145) 2018-05-16
[30] US (62/838,249) 2019-04-24

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[51] **Int.Cl. B01J 19/00 (2006.01) B01J 19/28 (2006.01) B01J 23/89 (2006.01)**
[25] EN
[54] **NATURAL GAS CONVERSION TO CHEMICALS AND POWER WITH MOLTEN SALTS**
[54] **CONVERSION DE GAZ NATUREL EN PRODUITS CHIMIQUES ET ENERGIE AVEC DES SELS FONDUS**
[72] MCFARLAND, ERIC W., US
[72] UPHAM, CHES, US
[72] PALMER, CLARKE, US
[72] SU, SHIZHAO, US
[72] MANNINI, DAVIDE, US
[72] RAHIMI, NAZANIN, US
[72] KANG, DOHYUNG, US
[72] METIU, HORIA, US
[72] GORDON, MICHAEL, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[86] 2019-05-14 (PCT/US2019/032205)
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[30] US (62/674,268) 2018-05-21

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[51] **Int.Cl. C12P 19/14 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **USES OF SURFACTANTS IN STARCH PROCESSING**
[54] **UTILISATIONS DE TENSIOACTIFS DANS LE TRAITEMENT DE L'AMIDON**
[72] SATO, YUKIKO, US
[72] REINHOLD, FRANK, US
[72] BORDLEY, JUSTIN ANDREW, US
[72] BORST, JOSEPH P., US
[72] LYON, MATTHEW GERARD, US
[72] MYERS, CHRISTOPHER PAUL, US
[72] KNAUER, KATRINA MARIE, US
[71] BASF SE, DE
[71] BASF ENZYMES LLC, US
[85] 2020-11-05
[86] 2019-05-23 (PCT/US2019/033653)
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[30] US (62/676,477) 2018-05-25

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[25] EN
[54] **SYSTEM AND METHOD FOR ORIENTATING CAPTURE OF ULTRASOUND IMAGES**
[54] **SYSTEME ET PROCEDE D'ORIENTATION DE CAPTURE D'IMAGES ECHOGRAPHIQUES**
[72] KEZURER, ITAY, IL
[72] ESHEL, YORAM, IL
[72] LUDOMIRSKY, ACHIAU, US
[72] LIPMAN, YARON, IL
[71] NEW YORK UNIVERSITY, US
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
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[25] EN
[54] **CONTROLLABLE MICRO LIGHT EMITTING DIODE SYSTEM AND METHOD**
[54]
[72] JOHANNESSEN, ERIC, US
[71] ROCKWELL COLLINS, INC., US
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[41] 2020-04-30
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[25] EN
[54] **POLYMORPHIC FORMS OF 3-(1-{3-[5-(1-METHYL-PIPERIDIN-4-YLMETHOXY)-PYRIMIDIN-2-YL]-BENZYL}-6-OXO-1,6-DIHYDRO-PYRIDAZIN-3-YL)-BENZONITRILE HYDROCHLORIDE SALT AND PROCESSES OF MANUFACTURING THEREOF**
[54] **FORMES POLYMORPHES DE SEL DE CHLORHYDRATE DE 3-(1-{3-[5-(1-METHYL-PIPERIDIN-4-YLMETHOXY)-PYRIMIDIN-2-YL]-BENZYL}-6-OXO-1,6-DIHYDRO-PYRIDAZIN-3-YL)-BENZONITRILE ET PROCEDES DE FABRICATION DESDITES FORMES**
[72] BECKER, AXEL, DE
[72] KUEHN, CLEMENS, DE
[72] SAAL, CHRISTOPH, DE
[72] SCHADT, OLIVER, DE
[72] DORSCH, DIETER, DE
[72] BOKEL, HEINZ-HERMANN, DE
[72] STIEBER, FRANK, DE
[72] DONINI, CHRISTINA, DE
[71] MERCK PATENT GMBH, DE
[22] 2009-12-04
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[62] 3,014,648
[30] EP (09000140.5) 2009-01-08

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[25] EN
[54] **SYSTEM FOR TRACKING UTILIZATION AND CONSUMPTION OF MEDICAL ITEMS IN A MEDICAL FACILITY AND MAINTAINING A CHAIN OF CUSTODY BASED THEREON**
[54] **SYSTEME POUR SUIVRE DE L'UTILISATION ET DE LA CONSOMMATION D'ARTICLES MEDICAUX DANS UN ETABLISSEMENT MEDICAL ET POUR TENIR A JOUR UNE CHAINE DE GARDE SUR LA BASE DE CELUI-CI**
[72] DEBUSK, BRIAN C., US
[72] KAYLOR, MARY E., US
[72] GRIFFITH, GERALD T., US
[72] WAGGONER, TIMOTHY J., US
[72] GRIFFITH, JEFFREY D., US
[72] SEWELL, ANGELA M., US
[72] JACOBS, JOHN G., US
[72] HURD, REX A., US
[71] DEROYAL INDUSTRIES, INC., US
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[62] 2,960,823
[30] US (62/048,921) 2014-09-11
[30] US (14/504,859) 2014-10-02
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[51] **Int.Cl. F23R 3/00 (2006.01) F01D 17/00 (2006.01) F01D 25/32 (2006.01) F02C 3/34 (2006.01) F02C 7/057 (2006.01) F02C 7/08 (2006.01)**
[25] EN
[54] **GAS TURBINE FACILITY**
[54] **INSTALLATION DE TURBINE A GAZ**
[72] IWAI, YASUNORI, JP
[72] ITOH, MASAO, JP
[72] SUZUKI, SHINJU, JP
[72] FETVEDT, JEREMY ERON, US
[72] ALLAM, RODNEY JOHN, GB
[71] 8 RIVERS CAPITAL, LLC, US
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[54] **PRODUIT RECUPERABLE, TRACABLE ET ANTIVOL**
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[72] GODFREY, CAROL, US
[72] HOLCOMBE, CHARLES L., US
[72] SPRUELL, STEPHEN L., US
[72] WARE, JOHN N., JR., US
[72] EASTERWPPD, EDWARD J., US
[72] WILSON, W. STEVE, US
[72] HULLENDER, FRANK, US
[71] SOUTHWIRE COMPANY, LLC, US
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[54] **SMOKING ARTICLE FOR USE IN APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **ARTICLE DESTINE A ETRE UTILISE DANS UN APPAREIL PERMETTANT DE CHAUFFER UN MATERIAU A FUMER**
[72] ENGLAND, WILL, GB
[72] PHILLIPS, JEREMY, GB
[72] WOODMAN, TOM, GB
[72] GOMEZ, PABLO JAVIER BALLESTEROS, GB
[71] NICOVENTURES TRADING LIMITED, GB
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[54] **APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **APPAREIL POUR CHAUFFER UNE SUBSTANCE A FUMER**
[72] BLANDINO, THOMAS P., US
[72] WILKE, ANDREW P., US
[72] FRATER, JAMES J., US
[72] PAPROCKI, BENJAMIN J., US
[71] NICOVENTURES TRADING LIMITED, GB
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[54] **LIQUEFACTION APPARATUS, METHODS, AND SYSTEMS**
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[72] REMFRY, ANGUS, CA
[72] CUNIAL, GLEN, CA
[72] BOGUSLAWSKI, TOM, CA
[71] STEELHEAD LNG (ASLNG) LTD., CA
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[54] **SYSTEM AND METHOD FOR FINDING DESIRED RESULTS BY INCREMENTAL SEARCH USING AN AMBIGUOUS KEYPAD WITH THE INPUT CONTAINING ORTHOGRAPHIC AND TYPOGRAPHIC ERRORS**
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[72] GARG, PANKAJ, IN
[72] VENKATARAMAN, SASHIKUMAR, IN
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[71] VEVEO, INC., US
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[54] **SYSTEMS AND METHODS FOR SAMPLE USE MAXIMIZATION**
[54] **SYSTEMES ET PROCEDES DE MAXIMISATION D'UTILISATION D'ECHANTILLON**
[72] GIBBONS, IAN, US
[72] NUGENT, TONY, US
[72] DELACRUZ, ANTHONY, US
[72] YOUNG, DANIEL, US
[72] HOLMES, ELIZABETH, US
[72] DRAKE, ANDREW, US
[72] KEMPS, TIMOTHY MICHAEL, US
[72] BALWANI, SUNNY, US
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[54] **ARTICLE DE FUMEUR A UTILISER AVEC UN APPAREIL PERMETTANT DE CHAUFFER UN MATERIAU A FUMER**
[72] ENGLAND, WILL, GB
[72] WOODMAN, TOM, GB
[72] PHILLIPS, JEREMY, GB
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[54] **SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP**
[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
[72] MOORE, STEVEN K., US
[71] F. HOFFMANN-LA ROCHE AG, CH
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[41] 2005-12-29
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[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
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[54] **SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP**
[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
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[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
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[54] **EVERTING TRANSCATHETER VALVE AND METHODS**
[54] **VALVE TRANSCATHETER A RETOURNEMENT ET PROCEDES**
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[72] HARTMAN, CODY L., US
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[71] AB INITIO TECHNOLOGY LLC, US
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[54] **A SPATIALLY CONTROLLABLE EDUCTOR FOR MANAGING SOLID ADDITIVES AND PROCESSES USING SAME**
[54] **EJECTEUR SPATIALEMENT REGLABLE POUR LA GESTION D'ADDITIFS SOLIDES ET PROCEDES UTILISANT CELUI-CI**
[72] YOUNG, CHRISTOPHER MICHAEL, US
[72] WANG, FEI, US
[72] BARNHOLTZ, STEVEN LEE, US
[72] EROGLU, HASAN, US
[72] STEWART, EDWIN ARTHUR, US
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[54] **EMBRYO SAMPLING FOR MOLECULAR ANALYSIS**
[54] **ECHANTILLONNAGE D'EMBRYON POUR L'ANALYSE MOLECULAIRE**
[72] HUNTER, CLIFFORD, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
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[54] **MECANISME DE POMPE DE PULVERISATION A DUREE D'ACTIONNEMENT SUR UN TOUR**
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[71] ALTERNATIVE PACKAGING SOLUTIONS, LLC, US
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[54] **COMPOSITIONS ORGANIQUES POUR TRAITER DES MALADIES ASSOCIEES A BETA-ENAC**
[54] **COMPOSITIONS ORGANIQUES POUR TRAITER DES MALADIES ASSOCIEES A BETA-ENAC**
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[72] DIENER, JOHN L., US
[72] HICKMAN, EMMA, GB
[72] HINKLE, GREGORY, US
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[71] ARROWHEAD RESEARCH CORPORATION, US
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[54] **FLUID FLOW CONTROL BY A NON-PINCHING VALVE**
[54] **COMMANDE DU DEBIT DE FLUIDE AU MOYEN D'UNE VANNE ANTI-PINCEMENT**
[72] MANSOUR, GEORGE, US
[72] ZOLLINGER, CHRIS, US
[72] YEH, JONATHAN, US
[72] CLARKE, CHRISTOPHER J., US
[71] CAREFUSION 303, INC., US
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[54] **LOW-COMPLEXITY INTRA PREDICTION FOR VIDEO CODING**
[54]
[72] BOSSEN, FRANK JAN, US
[72] TAN, THIOW KENG, SG
[71] NTT DOCOMO, INC., JP
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