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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
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[54] - Title of Invention
[60] - Related by Supplementary Disclosure
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[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
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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

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Amendment date: June 17, 2019

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of May 10, 2022 contains applications open to public inspection from April 24, 2022 to April 30, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 10 mai 2022 contient les demandes disponibles au public pour consultation pour la période du 24 avril 2022 au 30 avril 2022.

Canadian Patents Issued

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[54] **NOUVEAUX PLANTS DE TOMATES AYANT UN INDICE SYMPODIAL MOYEN DE 2 ET PRODUCTION DE FRUITS DE COULEUR ROUGE**
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[54] **RECONFIGURABLE PASSIVE FILTER**
[54] **FILTRE PASSIF RECONFIGURABLE**
[72] WALLACE, IAN, US
[72] BENDRE, ASHISH, US
[72] KRANZ, WILLIAM, US
[72] WOOD, NEIL, US
[73] TCI, LLC, US
[86] (2865763)
[87] (2865763)
[22] 2014-10-01
[30] US (61/885,271) 2013-10-01

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[25] EN
[54] **METHODS AND SYSTEMS FOR IDENTIFICATION OF A PROTEIN BINDING SITE**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION D'UN SITE DE LIAISON PROTEIQUE**
[72] EVANS, MARK, US
[72] HADDAD, MOJGAN, US
[73] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2014-09-26
[86] 2013-04-24 (PCT/US2013/038071)
[87] (WO2013/163348)
[30] US (61/637,849) 2012-04-24
[30] US (61/698,614) 2012-09-08
[30] US (61/751,124) 2013-01-10
[30] US (61/788,529) 2013-03-15

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[13] C
[51] **Int.Cl. G01S 19/28 (2010.01)**
[25] EN
[54] **MULTIPLE-CRITERION BASED GLOBAL NAVIGATION SATELLITE SUB-SET RECURSIVE SELECTION**
[54] **SELECTION RECURSIVE DE SOUS-ENSEMBLE DE SATELLITES DE NAVIGATION GLOBALE BASES SUR DES CRITERES MULTIPLES**
[72] DUNIK, JINDRICH, US
[72] OREJAS, MARTIN, US
[72] KANA, ZDENEK, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2869861)
[87] (2869861)
[22] 2014-10-31
[30] US (14/091,441) 2013-11-27

[11] **2,870,380**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/485 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **ABUSE RESISTANT PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES RESISTANTES AUX ABUS**
[72] REKHI, GURVINDER SINGH, US
[72] SIDWELL, RICHARD, US
[73] RECRO GAINESVILLE LLC, US
[86] (2870380)
[87] (2870380)
[22] 2014-11-10
[30] US (14/484761) 2014-09-12

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[13] C
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **5-[[4-[[MORPHOLIN-2-YL]METHYLAMINO]-5-(TRIFLUOROMETHYL)-2-PYRIDYL]AMINO]PYRAZINE-2-CARBONITRILE AND THERAPEUTIC USES THEREOF**
[54] **5-[[4-[[MORPHOLIN-2-YL]METHYLAMINO]-5-(TRIFLUOROMETHYL)-2-PYRIDYL]-AMINO]PYRAZINE-2-CARBONITRILE ET UTILISATIONS THERAPEUTIQUES DE CELUI-CI**
[72] COLLINS, IAN, GB
[72] MATTHEWS, THOMAS PETER, GB
[72] FARIA DA FONSECA MCHARDY, TATIANA, GB
[72] OSBORNE, JAMES, GB
[72] LAINCHBURY, MICHAEL, GB
[72] WALTON, MICHAEL IAN, GB
[72] GARRETT, MICHELLE DAWN, GB
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2014-10-17
[86] 2013-05-14 (PCT/GB2013/051233)
[87] (WO2013/171470)
[30] US (61/647,200) 2012-05-15

[11] **2,871,831**
[13] C
[51] **Int.Cl. D01F 9/08 (2006.01)**
[25] EN
[54] **FIBER-CONTAINING PREPREGS AND METHODS AND SYSTEMS OF MAKING**
[54] **PREIMPREGNES CONTENANT DES FIBRES ET PROCEDES ET SYSTEMES DE FABRICATION**
[72] ZHANG, MINGFU, US
[72] GLEICH, KLAUS FRIEDRICH, US
[72] YOHANNES, ASHEBER, US
[72] BLOCK MICHAEL J., US
[72] ASRAR, JAWED, US
[73] JOHNS MANVILLE, US
[86] (2871831)
[87] (2871831)
[22] 2014-11-19
[30] US (14/088,034) 2013-11-22
[30] US (14/278,484) 2014-05-15

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[13] C
[51] **Int.Cl. G01F 25/10 (2022.01) G01F 1/84 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO INITIATE A VERIFICATION TEST WITHIN A FLOW METER VIA A FLOW COMPUTER**
[54] **SYSTEMES ET PROCEDES POUR DECLENCHER UN ESSAI DE VERIFICATION DANS UN DEBITMETRE PAR UN ORDINATEUR DE DEBIT**
[72] BERNDT, JUSTIN MICKAEL, US
[72] ABENS, MARY BARBARA, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATED SOLUTIONS, US
[85] 2014-11-10
[86] 2013-05-13 (PCT/US2013/040726)
[87] (WO2013/170247)
[30] US (61/645,865) 2012-05-11

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[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **APPARATUS FOR ENDOSCOPIC PROCEDURES**
[54] **APPAREIL POUR PROCEDURES ENDOSCOPIQUES**
[72] ARANYI, ERNEST, US
[73] COVIDIEN LP, US
[86] (2873238)
[87] (2873238)
[22] 2014-12-03
[30] US (14/161,092) 2014-01-22

[11] **2,873,935**
[13] C
[51] **Int.Cl. G05B 23/02 (2006.01)**
[25] EN
[54] **AN INFORMATION PROCESSOR SYSTEM FOR MONITORING A COMPLEX SYSTEM**
[54] **SYSTEME DE TRAITEMENT D'INFORMATIONS POUR LA SURVEILLANCE D'UN SYSTEME COMPLEXE**
[72] LE GONIDEC, SERGE, FR
[72] MALIKOV, DIMITRI, FR
[72] BERECHET, ION, FR
[72] BERECHET, STEFAN, FR
[73] SNECMA, FR
[85] 2014-11-18
[86] 2013-05-22 (PCT/FR2013/051107)
[87] (WO2013/178913)
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[11] **2,874,599**
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[51] **Int.Cl. E21B 7/02 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **ADJUSTMENT APPARATUS FOR CONTAINER INSTALLATION**
[54] **APPAREIL DE REGLAGE POUR INSTALLATION D'UN RECIPIENT**
[72] PHAM, HAU NGUYEN-PHUC, US
[73] LIBERTY OILFIELD SERVICES LLC, US
[86] (2874599)
[87] (2874599)
[22] 2014-12-12
[30] US (61/915,291) 2013-12-12
[30] US (14/567,831) 2014-12-11

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[25] EN
[54] **ADJUSTABLE TWO BULB LAMP ADAPTER.**
[54] **ADAPTATEUR REGLABLE POUR LAMPE A DEUX AMPOULES.**
[72] BARRY, PAUL A., US
[73] BARRY, PAUL A., US
[86] (2876314)
[87] (2876314)
[22] 2015-01-06

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[51] **Int.Cl. E04C 1/00 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **BUILDING BLOCKS AND REAR INTERLOCK CONNECTOR THEREFOR**
[54] **BLOCS DE CONSTRUCTION MUNIS D'UN CONNECTEUR ARRIERE POUR LES FIXER ENSEMBLE**
[72] CORREIA, HORACIO, CA
[72] JEAN, SIMON, CA
[72] CORREIA, LIBORIO, CA
[73] CORREIA, HORACIO, CA
[86] (2876899)
[87] (2876899)
[22] 2015-01-08
[30] US (61/925,163) 2014-01-08

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[51] **Int.Cl. G02B 27/10 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR MEASURING OBJECTIVE OCULAR REFRACTION AND AT LEAST ONE GEOMETRIC-MORPHOLOGICAL PARAMETER OF AN INDIVIDUAL**
[54] **DISPOSITIF ET PROCEDE DE MESURE DE REFRACTION OCULAIRE OBJECTIVE ET D'AU MOINS UN PARAMETRE GEOMETRICO-MORPHOLOGIQUE D'UN INDIVIDU**
[72] DIVO, FABIEN, FR
[72] ESCALIER, GUILHEM, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2014-12-29
[86] 2013-07-04 (PCT/FR2013/051595)
[87] (WO2014/006341)
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[25] EN
[54] **FLUORESCENT FUSION POLYPEPTIDE, BIOSENSOR COMPRISING SAID POLYPEPTIDE AND USES THEREOF**
[54] **POLYPEPTIDE DE FUSION FLUORESCENT, BIOCAPTEUR LE COMPRENANT ET SES UTILISATIONS**
[72] KORTAZAR ZABALA, DANEL, ES
[72] SALADO POGONZA, AIDA CLARISA, ES
[72] GAMIZ MATA, JORGE, ES
[72] ROURA FERRER, MERITXELL, ES
[72] MELLA LOPEZ, ROSA, ES
[72] VILLACE LOZANO, PATRICIA, ES
[73] INNOVATIVE TECHNOLOGIES IN BIOLOGICAL SYSTEMS S.L., ES
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[86] 2013-07-08 (PCT/EP2013/064400)
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[51] **Int.Cl. F02C 7/22 (2006.01) F02C 7/24 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **INTERNAL MANIFOLD WITH FUEL INLET AND LEAK MITIGATION**
[54] **MANIFOLD INTERNE COMPRENANT UNE ENTREE DE CARBURANT ET UNE ATTENUATION DES FUITES**
[72] MORENKO, OLEG, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2878628)
[87] (2878628)
[22] 2015-01-13
[30] US (14/156,868) 2014-01-16

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[13] C
[51] **Int.Cl. B63B 17/00 (2006.01) B60J 11/00 (2006.01)**
[25] EN
[54] **TENSION HELD COVER**
[54] **COUVERCLE MAINTENU PAR TENSION**
[72] ALEXANDER, JON, US
[73] DOWCO, INC., US
[86] (2880405)
[87] (2880405)
[22] 2015-01-29
[30] US (61/933,188) 2014-01-29

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[13] C
[51] **Int.Cl. F01D 5/14 (2006.01)**
[25] EN
[54] **POWER TURBINE BLADE AIRFOIL PROFILE**
[54] **PROFIL AERODYNAMIQUE D'AUBE DE TURBINE DE PUISSANCE**
[72] LECUYER, DANIEL J., CA
[72] MORADI, NILOOFAR, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2881151)
[87] (2881151)
[22] 2015-02-02
[30] US (14/192,984) 2014-02-28

[11] **2,881,495**
[13] C
[51] **Int.Cl. G01S 19/37 (2010.01)**
[25] EN
[54] **METHOD FOR CORRELATING A RECEIVED SATELLITE RADIO-NAVIGATION SIGNAL AND CORRELATION DEVICE IMPLEMENTING THE METHOD**
[54] **METHODE DE CORRELATION D'UN SIGNAL DE NAVIGATION SATELLITE RADIO RECU ET DISPOSITIF DE CORRELATION EXPLOITANT LA METHODE**
[72] RAIMONDI, MATHIEU, FR
[72] AL BITAR, HANAA, FR
[72] FERNET, CHARLES, FR
[73] THALES, FR
[86] (2881495)
[87] (2881495)
[22] 2015-02-10
[30] FR (1400404) 2014-02-14

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[51] **Int.Cl. A01D 34/56 (2006.01) A01B 39/08 (2006.01) A01D 34/43 (2006.01) A01D 34/52 (2006.01)**
[25] EN
[54] **DRIVE ARRANGEMENT FOR DIRECT DRIVE ROTOR**
[54] **DISPOSITIF D'ENTRAINEMENT POUR ROTOR A ENTRAINEMENT DIRECT**
[72] DAINING, STEPHEN, US
[72] MARTIN, JACOB B., US
[72] O'HALLORAN, JIM, US
[72] PFOLTNER, CHRISTOPHER A., US
[73] FECON, LLC, US
[86] (2884058)
[87] (2884058)
[22] 2015-03-05
[30] US (61/949.827) 2014-03-07
[30] US (62/014.226) 2014-06-19
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[51] **Int.Cl. H02G 3/06 (2006.01) H01R 4/66 (2006.01)**
[25] EN
[54] **INTEGRAL GROUNDING HUB**
[54] **MOYEU DE FIXATION INTEGRAL**
[72] BROWN, MICHAEL CHARLES, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2885948)
[87] (2885948)
[22] 2015-03-25
[30] US (14/283,003) 2014-05-20

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[13] C
[51] **Int.Cl. H02P 25/08 (2016.01) H02P 23/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ROTOR POSITION DETERMINATION**
[54] **SYSTEMES ET METHODES DE DETERMINATION DE POSITION DE ROTOR**
[72] YE, JIN, CA
[72] EMADI, ALI, CA
[73] ENEDYM INC., CA
[86] (2887080)
[87] (2887080)
[22] 2015-04-01
[30] US (61/973,488) 2014-04-01

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[13] C
[51] **Int.Cl. E04D 5/14 (2006.01) F16B 39/24 (2006.01) F16B 43/00 (2006.01)**
[25] EN
[54] **INJECTION-MOLDED ROOFING MEMBRANE PLATE**
[54] **PLAQUE DE MEMBRANE DE TOITURE MOULEE PAR INJECTION**
[72] GERE, KEITH ALLAN, US
[73] DURO-LAST, INC., US
[86] (2888687)
[87] (2888687)
[22] 2015-04-14
[30] US (61/979,561) 2014-04-15
[30] US (14/684,833) 2015-04-13

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[13] C
[51] **Int.Cl. C07F 7/18 (2006.01) C08K 5/5455 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **AZOCARBONYL-FUNCTIONALIZED SILANES**
[54] **SILANES FONCTIONNALISES A L'AZOCARBONYL**
[72] PETERLE, TORSTEN, DE
[72] KECK, JULIA, DE
[72] ERHARDT, SASCHA, DE
[72] BLUME, ANKE, DE
[72] ROBEN, CAREN, DE
[73] EVONIK OPERATIONS GMBH, DE
[86] (2888767)
[87] (2888767)
[22] 2015-04-21
[30] EP (14165345.1) 2014-04-22

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[13] C
[51] **Int.Cl. A61K 35/74 (2015.01) A23K 10/16 (2016.01) A23K 50/75 (2016.01) A61P 31/04 (2006.01) C12N 1/20 (2006.01)**
[25] FR
[54] **BACTERIAL COMPOSITION FOR THE TREATMENT OF COLIBACILLOSIS ON FARMS, IN PARTICULAR POULTRY FARMS, AND ALSO DRINKING WATER CONTAINING SUCH A BACTERIAL COMPOSITION**
[54] **COMPOSITION BACTERIENNE DESTINEE AU TRAITEMENT DE LA COLIBACILLOSE DANS LES ELEVAGES EN PARTICULIER LES ELEVAGES AVIAIRES AINSI QU'EAU DE BOISSON RENFERMANT UNE TELLE COMPOSITION BACTERIENNE**
[72] DE BRUEKER, MARC, FR
[72] THEBAULT, STEPHANE, FR
[73] MIXSCIENCE, FR
[85] 2015-05-13
[86] 2013-05-29 (PCT/FR2013/051202)
[87] (WO2013/178947)
[30] FR (1254976) 2012-05-30

[11] **2,894,006**
[13] C
[51] **Int.Cl. A01K 67/033 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING BENEFICIAL INSECTS OR MITES**
[54] **SYSTEME DE DIFFUSION D'INSECTES OU D'ACARIENS UTILES**
[72] BAXTER, IAN, NL
[72] STEPMAN, WARD, NL
[72] EEKHOFF, DENNIS, NL
[72] VAN DIEMEN, BAS, NL
[72] WALKER, PHIL, NL
[73] BIOLINE AGROSCIENCES LTD., GB
[85] 2015-06-05
[86] 2013-10-31 (PCT/EP2013/072780)
[87] (WO2014/086536)
[30] GB (1221900.2) 2012-12-05

[11] **2,896,790**
[13] C
[51] **Int.Cl. C07D 277/60 (2006.01) A61K 31/428 (2006.01) A61K 31/429 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC AMIDE DERIVATIVES AS P2X7 RECEPTOR ANTAGONISTS**
[54] **DERIVES D'AMIDES HETEROCYCLIQUES UTILISES COMME ANTAGONISTES DU RECEPTEUR P2X7**
[72] HILPERT, KURT, CH
[72] HUBLER, FRANCIS, CH
[72] RENNEBERG, DORTE, CH
[72] STAMM, SIMON, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2015-06-29
[86] 2014-01-21 (PCT/IB2014/058424)
[87] (WO2014/115072)
[30] EP (13152217.9) 2013-01-22

[11] **2,898,048**
[13] C
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 8/61 (2018.01) B60K 37/00 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONFIGURING SELECTION OF CONTEXTUAL DASHBOARDS**
[54] **PROCEDE ET SYSTEME DE CONFIGURATION DE SELECTION DE TABLEAUX DE BORD CONTEXTUELS**
[72] VIDA, GABOR, CA
[72] MACKENZIE, STEPHEN, CA
[72] MACDONELL, ANTHONY, CA
[73] SYNACOR, INC., US
[85] 2015-07-13
[86] 2014-01-08 (PCT/CA2014/000001)
[87] (WO2014/107793)
[30] US (61/751,312) 2013-01-11

[11] **2,901,930**
[13] C
[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/4196 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **1-SUBSTITUTED, 4-(SUBSTITUTED PHENOXYMETHYL)-1,2,3-TRIAZOLE COMPOUNDS WITH ANTIFUNGAL PROPERTIES AND METHODS FOR PREPARATION THEREOF**
[54] **COMPOSES 1-SUBSTITUES DE 4-(PHENOXYMETHYLE SUBSTITUE)-1,2,3-TRIAZOLE PRESENTANT DES PROPRIETES ANTIFONGIQUES, ET LEURS PROCEDES DE PREPARATION**
[72] BORATE, HANUMAT BAPURAO, IN
[72] KUDALE, ANANDA SHAHAJI, IN
[72] CHAVAN, SUBHASH PRATAPRAO, IN
[72] KUNTE, SUNITA SHARAD, IN
[72] CHANDAVARKAR, MOHAN ANAND, IN
[72] IYER, RAMKRISHNAN RAMACHANDRAN, IN
[72] TAWTE, AMIT CHANDRAKANT, IN
[72] RAO, DEEPALI DAMODAR, IN
[73] FDC LIMITED, IN
[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[85] 2015-08-19
[86] 2014-02-21 (PCT/IN2014/000112)
[87] (WO2014/132267)
[30] IN (626/MUM/2013) 2013-03-01

[11] **2,901,979**
[13] C
[51] **Int.Cl. A61K 31/202 (2006.01) A61K 9/00 (2006.01) A61P 1/02 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **METHODS FOR INCREASING ORAL OSTEOGENESIS USING LIPOXIN A4 (LXA4) AND ITS ANALOGS**
[54] **METHODES PERMETTANT D'AUGMENTER L'OSTEOGENESE DE LA CAVITE BUCCALE AU MOYEN DE LA LIPOXINE A4 (LXA4) ET DE SES ANALOGUES**
[72] VAN DYKE, THOMAS E., US
[72] HASTURK, HATICE, US
[72] KANTARCI, ALPDOGAN, US
[73] FORSYTH DENTAL INFIRMARY FOR CHILDREN, US
[85] 2015-08-20
[86] 2013-03-15 (PCT/US2013/031891)
[87] (WO2014/130068)
[30] US (61/767,298) 2013-02-21

[11] **2,902,276**
[13] C
[51] **Int.Cl. A61K 31/665 (2006.01) A61P 35/00 (2006.01)**
[25] FR
[54] **SUGAR-ANALOG PHOSPHORUS-CONTAINING HETEROCYCLES HAVING AN ANTI-METASTATIC ACTIVITY**
[54] **HETEROCYCLES PHOSPHORES ANALOGUES DE SUCRES A ACTIVITE ANTIMETASTATIQUE**
[72] BAKALARA, NORBERT, FR
[72] DELAFORGE, MARCEL, FR
[72] LECOUVEY, MARC, FR
[72] HUGNOT, JEAN-PHILIPPE, FR
[72] LEGRAND, PHILIPPE, FR
[72] PIRAT, JEAN-LUC, FR
[72] VIRIEUX, DAVID, FR
[72] VOLLE, JEAN-NOEL, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE MONTPELLIER, FR
[73] UNIVERSITE PARIS-NORD 13, FR
[73] UNIVERSITE PARIS-SUD 11, FR
[73] UNIVERSITE DE MONTPELLIER, FR
[85] 2015-08-24
[86] 2014-02-25 (PCT/FR2014/050409)
[87] (WO2014/128429)
[30] FR (1351654) 2013-02-25

[11] **2,902,657**
[13] C
[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **FCRN BINDING POLYPEPTIDES**
[54] **POLYPEPTIDES DE LIAISON A RECEPTEUR FC**
[72] EKBLAD, CAROLINE, SE
[72] GUNNERIUSSON, ELIN, SE
[72] LINDBORG, MALIN, SE
[72] ABRAHMSEN, LARS, SE
[72] LOFBLOM, JOHN, SE
[72] GRASLUND, TORBJORN, SE
[72] SEIJSING, JOHAN, SE
[73] AFFIBODY AB, SE
[85] 2015-08-26
[86] 2014-03-17 (PCT/EP2014/055299)
[87] (WO2014/140366)
[30] EP (13159500.1) 2013-03-15
[30] US (61/787,305) 2013-03-15

[11] **2,902,743**
[13] C
[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/32 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SAFENED HERBICIDAL COMPOSITIONS INCLUDING PYRIDINE-2-CARBOXYLIC ACID DERIVATIVES FOR USE IN CORN (MAIZE)**
[54] **COMPOSITIONS HERBICIDES AVEC PHYTOPROTECTEUR COMPRENANT DES DERIVES D'ACIDE PYRIDINE-2-CARBOXYLIQUE DESTINEES A ETRE UTILISEES POUR LE MAIS**
[72] SATCHIVI, NORBERT M., US
[72] EELEN, HILDE J.A., BE
[72] WEIMER, MONTE R., US
[72] SCHMITZER, PAUL R., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2015-08-26
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[54] **POWER CONVERSION DEVICE**
[54] **DISPOSITIF DE CONVERSION DE PUISSANCE**
[72] TAKUBO, HIROMU, JP
[73] FUJI ELECTRIC CO., LTD., JP
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[25] EN
[54] **URIDINE NUCLEOSIDE DERIVATIVES, COMPOSITIONS AND METHODS OF USE**
[54] **DERIVES D'URIDINE NUCLEOSIDE, COMPOSITIONS ET PROCEDES D'UTILISATION**
[72] HAYDON, PHILIP G., US
[72] LEE, JINBO, US
[73] TUFTS UNIVERSITY, US
[85] 2015-09-03
[86] 2014-03-13 (PCT/US2014/026865)
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[54] **CEMENTITIOUS ARTICLE COMPRISING HYDROPHOBIC FINISH**
[54] **ARTICLE CIMENTAIRE COMPRENANT UN FINI HYDROPHOBE**
[72] DUBEY, ASHISH, US
[72] PENG, YANFEI, US
[73] UNITED STATES GYPSUM COMPANY, US
[85] 2015-09-09
[86] 2014-03-12 (PCT/US2014/024207)
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[25] EN
[54] **EFFICIENT IMAGE PROCESSING USING DYNAMICALLY SIZED TILES**
[54] **TRAITEMENT D'IMAGE EFFICACE EMPLOYANT DES TUILES DIMENSIONNEES DYNAMIQUEMENT**
[72] THORUP, DAVID HAMMOND, JR., US
[73] MYLIO, LLC, US
[86] (2906059)
[87] (2906059)
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[54] **BEVERAGE DISPENSER CONTAINER AND CARTON**
[54] **BOITE EN CARTON ET CONTENANT DE DISTRIBUTION DE BOISSON**
[72] CONNERAT, BRYAN, US
[72] FRIEDLEIN, MARK, US
[72] AYALA-DIAZ, CARLOS J., US
[73] THE COCA-COLA COMPANY, US
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[54] **SYSTEMS AND METHODS FOR CONTROLLING THE DISTRIBUTION AND VIEWING OF DIGITAL ART AND IMAGING VIA THE INTERNET**
[54] **SYSTEMES ET PROCEDES POUR CONTROLER LA DISTRIBUTION ET LA VISUALISATION D'IMAGES ET D'ART NUMERIQUE VIA INTERNET**
[72] TRACHTENBERG, MARC, US
[72] GARIEPY, FRANCOIS, CA
[73] VIDERI INC., US
[85] 2015-09-15
[86] 2014-03-14 (PCT/US2014/029506)
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[54] **SYSTEMS AND METHODS FOR FACILITATING A TRANSACTION USING A VIRTUAL CARD ON A MOBILE DEVICE**
[54] **SYSTEMES ET PROCEDES DESTINES A FACILITER UNE TRANSACTION A L'AIDE D'UNE CARTE VIRTUELLE SUR UN DISPOSITIF MOBILE**
[72] LAW, SIMON, CA
[72] SHVARTSMAN, MICHAEL, CA
[72] ROBERGE, PIERRE ANTOINE, CA
[72] DUONG, PETER THIEN, CA
[73] STICKY.IO, INC., US
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[54] **APPARATUS AND METHOD FOR COATING PARTICULATE MATERIAL**
[54] **APPAREIL ET PROCEDE POUR REVETIR UN MATERIAU EN PARTICULES**
[72] PHILLIPS, LAURA BETH, US
[72] PACKER, BRENT CHRISTOPHER, US
[72] ROLLER, DAVID CHAMBERLAIN, US
[72] MOFFITT, RICHARD ALAN, JR., US
[72] GRUNDER, DOUGLAS EDWARD, US
[73] BASF CORPORATION, US
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[54] **FACILITATING AMBIENT TEMPERATURE MEASUREMENT ACCURACY IN AN HVAC CONTROLLER HAVING INTERNAL HEAT-GENERATING COMPONENTS**
[54] **PROCEDURE PERMETTANT DE FACILITER LA PRECISION DE MESURE DE LA TEMPERATURE AMIANTE DANS UN DISPOSITIF DE COMMANDE DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION PRESENTANT DES C OMPOSANTS DE PRODUCTION DE CHALEUR INTERNES**
[72] MODI, YASH, US
[72] MATSUOKA, YOKY, US
[72] FILSON, JOHN B., US
[73] GOOGLE LLC, US
[85] 2015-10-21
[86] 2014-04-21 (PCT/US2014/034836)
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[54] **LANCE D'INJECTION DE MATIERES SOLIDES**
[72] PILOTE, JACQUES, AU
[72] DRY, RODNEY JAMES, AU
[72] DAVIS, MARK PRESTON, AU
[73] TATA STEEL LIMITED, IN
[85] 2015-10-26
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[54] **MONITOR AND SYSTEM FOR MONITORING AN ORGANISM**
[54] **DISPOSITIF DE SURVEILLANCE ET SYSTEME DE SURVEILLANCE D'ORGANISMES VIVANTS**
[72] MURTHY, PRAKASH SREEDHAR, JP
[73] ATONARP INC., JP
[85] 2015-10-29
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[25] EN
[54] **USE OF PRIDOPIDINE FOR TREATING HUNTINGTON'S DISEASE**
[54] **UTILISATION DE PRIDOPIDINE POUR TRAITER LA MALADIE DE HUNTINGTON**
[72] BASSAN, MERAV, IL
[72] EYAL, ELI, IL
[72] HAGAI, ESTHER LUKASIEWICZ, IL
[72] SVEINSDOTTER TEIGE WICKENBERG, ANNA KRISTINA, SE
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
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[25] EN
[54] **ACTUATOR BUSHINGS HAVING INTEGRAL SEALS**
[54] **BAGUES D'ACTIONNEUR AYANT DES JOINTS INTEGRAUX**
[72] BELL, MEREDITH, US
[72] JACKSON, TRENTON FRANK, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2015-12-09
[86] 2014-06-10 (PCT/US2014/041640)
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[54] **LOCAL EXECUTION OF REMOTE VIRTUAL DESKTOP**
[54] **EXECUTION LOCALE D'UN BUREAU VIRTUEL DISTANT**
[72] BROWN, DAVID EVERARD, US
[72] BRANDWINE, ERIC JASON, US
[72] FARRELL, EUGENE MICHAEL, US
[72] PADUKONE, AJIT NAGENDRA, US
[72] SURYANARAYANAN, DEEPAK, US
[73] AMAZON TECHNOLOGIES, INC., US
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[54] **LARGE-SCALE BIOMOLECULAR ANALYSIS WITH SEQUENCE TAGS**
[54] **ANALYSE BIOMOLECULAIRE A GRANDE ECHELLE A L'AIDE D'ETIQUETTES DE SEQUENCE**
[72] ASBURY, THOMAS, US
[72] HERVOLD, KIERAN, US
[72] KOTWALIWALE, CHITRA, US
[72] FAHAM, MALEK, US
[72] MOORHEAD, MARTIN, US
[72] WENG, LI, US
[72] WITTKOP, TOBIAS, US
[72] ZHENG, JIANBIAO, US
[73] ADAPTIVE BIOTECHNOLOGIES CORP., US
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[54] **ILLUMINATED ORNAMENT**
[54] **ORNEMENT ILLUMINE**
[72] MCCAVIT, KIM I., US
[72] BENTLEY, ROGER DON, US
[72] JENSEN, BRADFORD BRIAN, US
[73] JENESIS INTERNATIONAL INC., US
[86] (2916741)
[87] (2916741)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREVENTION OF ALLERGIC REACTION**
[54] **PROCEDES ET COMPOSITIONS POUR LA PREVENTION D'UNE REACTION ALLERGIQUE**
[72] TWEARDY, DAVID J., US
[72] KASEMBELI, MOSES M., US
[72] XU, MARVIN X., CN
[72] MILNER, JOSH, US
[72] BOCCHINI, CLAIRE E., US
[73] BAYLOR COLLEGE OF MEDICINE, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2016-01-13
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[54] **METHOD FOR ALCALASE TREATMENT OF TISSUE PRODUCTS**
[54] **METHODE POUR LE TRAITEMENT A L'ALCALASE DE PRODUITS DE TISSU**
[72] CHEN, YI, US
[72] KABARIA, NIMESH, US
[72] WANG, KAI-ROY, US
[72] XU, HUI, US
[72] LEAMY, PATRICK, US
[72] WAN, HUA, US
[72] HUANG, LI TING, US
[72] SUN, WENQUAN, US
[73] LIFECELL CORPORATION, US
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[54] **CONTRE-ECROU**
[72] HUGHES, MARK W., US
[72] JIMENEZ, DANIEL T., US
[73] MACLEAN-FOGG COMPANY, US
[73] STEMCO PRODUCTS, INC., US
[85] 2016-01-25
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[25] EN
[54] **BI-SPECIFIC MONOVALENT DIABODIES THAT ARE CAPABLE OF BINDING TO GPA33 AND CD3, AND USES THEREOF**
[54] **ANTICORPS DIMERIQUES (DIABODIES) MONOVALENTS BI-SPECIFIQUES QUI SONT APTES A SE LIER A GPA33 ET CD3, ET LEURS UTILISATIONS**
[72] MOORE, PAUL A., US
[72] LI, JONATHAN, US
[72] CHEN, FRANCINE ZHIFEN, US
[72] JOHNSON, LESLIE S., US
[72] SHAH, KALPANA, US
[72] BONVINI, EZIO, US
[73] MACROGENICS, INC., US
[85] 2016-02-01
[86] 2014-08-20 (PCT/US2014/051793)
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[25] EN
[54] **NOVEL FIBERS, METHODS FOR THEIR PREPARATION AND USE IN THE MANUFACTURE OF REINFORCED ELEMENTS**
[54] **NOUVELLES FIBRES, LEURS PROCEDES DE PREPARATION ET D'UTILISATION DANS LA FABRICATION D'ELEMENTS RENFORCES**
[72] KIERAT, RADOSLAW, DE
[72] FEICHTENSCHLAGER, BERNHARD, DE
[72] HESSE, CHRISTOPH, DE
[72] HIRSEMANN, DUNJA, CN
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[25] EN
[54] **COMPRESSED BONE COMPOSITION AND METHODS OF USE THEREOF**
[54] **COMPOSITION OSSEUSE COPRIMEE ET METHODES D'UTILISATION DE CELLE-CI**
[72] FRANCIS, MICHAEL, US
[72] RODRIGUEZ, RUDY, US
[72] KEMPER, NATHAN, US
[72] CHEN, SILVIA, US
[73] LIFENET HEALTH, US
[85] 2016-03-24
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[87] (WO2015/054547)
[30] US (61/889,010) 2013-10-09
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[51] **Int.Cl. E21B 34/04 (2006.01)**
[25] EN
[54] **MANIFOLDS FOR PROVIDING HYDRAULIC FLUID TO A SUBSEA BLOWOUT PREVENTER AND RELATED METHODS**
[54] **CIRCUITS DE CANALISATION DESTINEES A ACHEMINER UN FLUIDE HYDRAULIQUE VERS UN BLOC OBTURATEUR DE PUITS SOUS-MARIN ET PROCEDES ASSOCIES**
[72] BABBITT, GUY ROBERT, US
[72] KERSEY, JAMES EDWARD, US
[72] ECHTER, NICHOLAS PAUL, US
[72] WEYER-GEIGEL, KRISTINA, US
[73] TRANSOCEAN INNOVATION LABS, LTD., KY
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[30] US (61/887,728) 2013-10-07
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[54] **METHODS OF CEMENT ADDITIVE ADDITION**
[54] **PROCEDES D'AJOUT D'ADDITIF A CIMENT**
[72] TRAN, BO L., US
[73] ECOLAB USA INC., US
[85] 2016-04-12
[86] 2014-10-14 (PCT/US2014/060548)
[87] (WO2015/057749)
[30] US (61/890,967) 2013-10-15

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[13] C
[51] **Int.Cl. F16K 17/16 (2006.01) F16K 17/40 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CASCADING BURST DISCS**
[54] **SYSTEMES ET PROCEDES D'AMENAGEMENT EN CASCADE DE DISQUES DE RUPTURE**
[72] FORKL, FRANK J., US
[72] DOROGI, FRANK, US
[72] BENNETT, DUARD CHARLES, US
[72] FETZER, ADAM, US
[72] GUTEKUNST, GREG, US
[73] AVOX SYSTEMS INC., US
[85] 2016-04-14
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[87] (WO2015/061324)
[30] US (61/893,478) 2013-10-21

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[51] **Int.Cl. H02J 9/06 (2006.01) H02J 3/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO CHANGE GENERATOR START DELAY AND RUNTIME FOLLOWING OUTAGE**
[54] **PROCEDE ET APPAREIL DE MODIFICATION DU DELAI DE DEMARRAGE D'UN GENERATEUR ET DU TEMPS D'EXECUTION SUBSEQUENT A UNE INDISPONIBILITE**
[72] LOUCKS, DAVID G., US
[72] LATHROP, TODD M., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-04-15
[86] 2014-10-21 (PCT/IB2014/065515)
[87] (WO2015/092562)
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[54] **IMPEDANCE INSTRUMENT**
[54] **INSTRUMENT D'IMPEDANCE**
[72] DENENBERG, SCOTT A., US
[72] SHEIRETOV, YANKO K., US
[72] GOLDFINE, NEIL J., US
[72] DUNFORD, TODD M., US
[72] WASHABAUGH, ANDREW P., US
[72] STRANEY, DON, US
[72] MANNING, BRIAN, US
[73] JENTEK SENSORS, INC., US
[85] 2016-04-15
[86] 2014-10-22 (PCT/US2014/061825)
[87] (WO2015/061487)
[30] US (61/894,191) 2013-10-22
[30] US (62/009,771) 2014-06-09

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[13] C
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/498 (2006.01) A61P 35/00 (2006.01) C07D 235/30 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/14 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **INHIBITORS OF THE FIBROBLAST GROWTH FACTOR RECEPTOR**
[54] **INHIBITEURS DU RECEPTEUR DU FACTEUR DE CROISSANCE DES FIBROBLASTES**
[72] DIPIETRO, LUCIAN V., US
[72] HODOUS, BRIAN L., US
[72] MIDUTURU, CHANDRASEKHAR V., US
[72] BIFULCO, NEIL, JR., US
[73] BLUEPRINT MEDICINES CORPORATION, US
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[30] US (61/895,472) 2013-10-25
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[25] EN
[54] **AORTIC INSUFFICIENCY REPAIR DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE REPARATION D'INSUFFISANCE AORTIQUE**
[72] KARAPETIAN, EMIL, US
[72] STANISLAUS, MARIA CHARLES VIJA, US
[72] BAK-BOYCHUK, GREGORY, US
[72] OLSON, CHRISTOPHER J., US
[72] HERNANDEZ, CRISTOBAL R., US
[72] BRUNNETT, WILLIAM C., US
[72] BENICHOU, NETANEL, US
[72] FRESCHAUF, LAUREN R., US
[72] SIEGEL, ALEXANDER J., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **IMMUNE ADJUSTMENT COMPOUND, USE THEREOF AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**
[54] **COMPOSE IMMUNOMODULATEUR, SON UTILISATION ET COMPOSITION PHARMACEUTIQUE COMPRENANT CE COMPOSE**
[72] ZHENG, WEI, US
[72] PAN, WUBIN, CA
[72] YANG, XIN, CN
[73] SUZHOU CONNECT BIOPHARMACEUTICALS, LTD., CN
[85] 2016-04-21
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[54] **METHOD FOR SYNTHESIZING SILICOALUMINOPHOSPHATE-34 MOLECULAR SIEVES**
[54] **PROCEDE DE SYNTHESE DE TAMIS MOLECULAIRES EN SILICOALUMINOPHOSPHATE-34**
[72] ZHANG, QIUHUA, US
[72] KORANNE, MANOJ M., US
[73] W. R. GRACE & CO.-CONN., US
[85] 2016-04-22
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[25] EN
[54] **METHOD FOR DETERMINING A SCALE INHIBITOR FROM A SAMPLE**
[54] **METHODE DE DETERMINATION D'UN INHIBITEUR D'ENTARTRAGE DANS UN ECHANTILLON**
[72] NUUTINEN, VESA, FI
[72] TOIVONEN, SUSANNA, FI
[72] JOHNSTONE, JAMES, GB
[72] HARMA, HARRI, FI
[72] MUNDILL, PAUL, FI
[73] KEMIRA OYJ, FI
[85] 2016-04-27
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[25] EN
[54] **METHODS FOR APPLYING DIFORMYLUREA TO CROPS**
[54] **PROCEDE D'APPLICATION DE DIFORMYLUREE SUR DES CULTURES**
[72] STOLLER, JERRY, US
[72] LIPTAY, ALBERT, US
[73] STOLLER ENTERPRISES, INC., US
[85] 2016-05-04
[86] 2014-12-04 (PCT/US2014/068619)
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[54] **BOREHOLE LOGGING METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE DIAGRAPHIE DE TROU DE FORAGE**
[72] WILKINSON, BRETT JAMES, AU
[72] STEWART, GORDON HENDERSON, AU
[72] KEPIC, ANTON, AU
[72] DUPUIS, JEROME CHRISTIAN, CA
[73] MINEX CRC LTD, AU
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[86] 2014-11-19 (PCT/AU2014/001063)
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[25] EN
[54] **METHODS FOR SUPPRESSING CANCER-RELATED CACHEXIA**
[54] **INHIBITEURS DE HDAC POUR SUPPRIMER LA CACHEXIE LIEE AU CANCER**
[72] CHEN, CHING-SHIH, US
[72] BEKAII-SAAB, TANIOS, US
[72] GUTTRIDGE, DENIS, US
[72] MARCUCCI, GUIDO, US
[72] KULP, SAMUEL, US
[72] TSENG, YU-CHOU, US
[73] OHIO STATE INNOVATION FOUNDATION, US
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[54] **DETECTION OF NUCLEIC ACIDS BY STRAND INVASION BASED AMPLIFICATION**
[54] **DETECTION D'ACIDES NUCLEIQUES PAR AMPLIFICATION BASEE SUR L'INVASION DE BRIN**
[72] EBOIGBODIN, KEVIN, FI
[72] BRUMMER, MIRKO, FI
[73] ORION DIAGNOSTICA OY, FI
[85] 2016-05-16
[86] 2014-11-21 (PCT/EP2014/075321)
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[51] **Int.Cl. C07K 16/00 (2006.01)**
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[54] **FABS-IN-TANDEM IMMUNOGLOBULIN AND USES THEREOF**
[54] **FABS D'IMMUNOGLOBULINE EN TANDEM ET LEURS UTILISATIONS**
[72] WU, CHENGBIN, CN
[73] EPIMAB BIOTHERAPEUTICS INC., CN
[85] 2016-05-25
[86] 2014-12-24 (PCT/US2014/072336)
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[25] EN
[54] **SMELTING PROCESS AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE FUSION**
[72] DAVIS, MARK PRESTON, AU
[72] PILOTE, JACQUES, AU
[73] TATA STEEL LIMITED, IN
[85] 2016-05-26
[86] 2014-12-04 (PCT/AU2014/001098)
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[25] EN
[54] **PIPERIDINE DERIVATIVES FOR USE IN THE TREATMENT OR PREVENTION OF PSYCHIATRIC AND NEUROLOGICAL CONDITIONS**
[54] **DERIVES DE PIPERIDINE DESTINES A ETRE UTILISES DANS LE TRAITEMENT OU LA PREVENTION DE TROUBLES PSYCHIATRIQUES ET NEUROLOGIQUES**
[72] GOLDBY, ANNE, GB
[72] JENKINS, KERRY, GB
[72] TEALL, MARTIN, GB
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2016-05-26
[86] 2014-11-26 (PCT/GB2014/053499)
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[54] **IMPROVED METHOD FOR PRODUCING GINKGO EXTRACTS**
[54] **PROCEDE AMELIORE POUR LA PRODUCTION D'EXTRAITS DE GINGKO**
[72] WAIMER, FRANK, DE
[72] REINHARD, STEFFEN, DE
[72] HAUER, HERMANN, DE
[73] DR. WILLMAR SCHWABE GMBH & CO. KG, DE
[85] 2016-06-01
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[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/40 (2006.01)**
[25] EN
[54] **DEVICE FOR PREPARING BEVERAGES, PROVIDED WITH A STORAGE TANK**
[54] **DISPOSITIF POUR PREPARER DES BOISSONS, COMPRENANT UN RESERVOIR DE STOCKAGE**
[72] HUIBERTS, JOHANNES THEODORUS EMERENTIA, NL
[73] BRAVILOR HOLDING B.V., NL
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[25] EN
[54] **SEMI-RIGID BONE ATTACHMENT ROBOTIC SURGERY SYSTEM**
[54] **SYSTEME DE CHIRURGIE ROBOTISE A FIXATION SEMI-RIGIDE SUR UN OS**
[72] BAR, YOSSI, IL
[72] ZEHAVI, ELIYAHU, IL
[72] USHPIZIN, YONATAN, IL
[73] MAZOR ROBOTICS LTD., IL
[85] 2016-06-02
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[25] EN
[54] **DEVICE FOR A SPECIAL EFFECT EXPLOSION OR BURST**
[54] **DISPOSITIF POUR EXPLOSION OU ECLATEMENT A EFFETS SPECIAUX**
[72] TESTA, MARTIN TIMOTHY, CA
[73] 8879192 CANADA INC., DBA DIRECT HIT FX, CA
[85] 2016-06-03
[86] 2014-12-05 (PCT/CA2014/051177)
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[25] EN
[54] **PROCESS FOR MINERAL OIL PRODUCTION**
[54] **PROCEDE DE PRODUCTION D'HUILE MINERALE**
[72] LANGLOTZ, BJORN, DE
[72] ZIMMERMANN, TOBIAS, DE
[72] REICHENBACH-KLINKE, ROLAND, DE
[72] BITTNER, CHRISTIAN, DE
[73] BASF SE, DE
[85] 2016-06-08
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[25] EN
[54] **SANDWICH STRUCTURE**
[54] **STRUCTURE EN SANDWICH**
[72] COX, DOUGLAS, US
[72] EBNOETHER, FABIEN, DE
[73] CELLTECH METALS, INC., US
[85] 2016-06-09
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[25] EN
[54] **FLAIL CHAIN FOR USE IN DEBARKING TREES**
[54] **FLEAU D'EBRANCHAGE POUR ECORCAGE DES ARBRES**
[72] HUANGFU, JINHUAN, AU
[72] DOHNT, PHILLIP MORRIS, AU
[73] FUNCTION CHAINS PTY LTD., AU
[86] (2934252)
[87] (2934252)
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[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] HOLDSWORTH, DUNCAN DAVID, GB
[72] GRAY, JULIAN STUART, GB
[73] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2016-06-27
[86] 2015-01-05 (PCT/GB2015/050005)
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[25] EN
[54] **APPARATUSES AND METHODS FOR MEASURING AND CHARACTERIZING ULTRASOUND**
[54] **APPAREILS ET DES PROCEDES DE MESURE ET DE CARACTERISATION D'ULTRASONS**
[72] SCURTESCU, CRISTIAN, CA
[72] UTKIN ILYA, CA
[73] SMILESONICA INC., CA
[85] 2016-06-28
[86] 2015-01-07 (PCT/CA2015/000004)
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[51] **Int.Cl. G01N 21/25 (2006.01)**
[25] EN
[54] **DEVICE FOR DETERMINING A CONCENTRATION OF A CHEMICAL SUBSTANCE**
[54] **DISPOSITIF DE DETERMINATION D'UNE CONCENTRATION D'UNE SUBSTANCE CHIMIQUE**
[72] RISSING, LUTZ, DE
[72] HOLZ, STEPHANIE, DE
[72] HOHEISEL, DOMINIK, DE
[73] GOTTFRIED WILHELM LEIBNIZ UNIVERSITAT HANNOVER, DE
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[51] **Int.Cl. B08B 9/043 (2006.01)**
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[54] **DRAIN CLEARING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DE DRAIN**
[72] ELLIOTT, HALLE, US
[72] PLEASANTS, PARKE, US
[72] MOYLAN, JULIA H., US
[72] KEITH, JAMES A, US
[73] AC (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[86] (2935781)
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[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/06 (2006.01)**
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[54] **SYNCHROPHASOR DATA MANAGEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE GESTION DE DONNEES DE SYNCHROPHASEUR**
[72] HAMOUR, IHAB, CA
[72] KANABAR, MITALKUMAR G., CA
[72] MUTNURI, SRIDEVI, CA
[72] VOLOH, ILIA, CA
[73] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **METHOD AND APPARATUS FOR REMOVING A CABLE CORE FROM A CABLE SHEATH**
[54] **PROCEDE ET APPAREIL POUR RETIRER UNE AME DE CABLE D'UNE GAINE DE CABLE**
[72] NUSBAUM, LASLO, AT
[73] DEFLUX HOLDINGS LIMITED, GB
[85] 2016-07-15
[86] 2015-01-15 (PCT/GB2015/050075)
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[25] FR
[54] **PROCESS FOR LOCALISED REPAIR OF A DAMAGED THERMAL BARRIER**
[54] **PROCEDE DE REPARATION LOCALISEE D'UNE BARRIERE THERMIQUE ENDOMMAGEE**
[72] MALIE, ANDRE HUBERT LOUIS, FR
[72] HAMADI, SARAH, FR
[72] ANSART, FLORENCE, FR
[72] BONINO, JEAN-PIERRE, FR
[72] CERDA, HELENE, FR
[72] PUJOL, GUILLAUME, FR
[73] UNIVERSITE PAUL SABATIER - TOULOUSE III, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] INSTITUT NATIONAL POLYTECHNIQUE, FR
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[51] **Int.Cl. A23J 3/34 (2006.01)**
[25] EN
[54] **DRIED FOOD PRODUCTS FORMED FROM CULTURED MUSCLE CELLS**
[54] **PRODUITS ALIMENTAIRES SECHES FABRIQUES A PARTIR DE CELLULES MUSCULAIRES CULTIVEES**
[72] MARGA, FRANCOISE SUZANNE, US
[73] FORK & GOODE, INC., US
[85] 2016-07-28
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[25] FR
[54] **LINED MOULD FOR CENTRIFUGAL CASTING**
[54] **MOULE CHEMISE POUR COULEE CENTRIFUGE**
[72] DIGARD BROU DE CUISSART, SEBASTIEN, FR
[72] PIATON, VALERY, FR
[72] SOISSON, MARC, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[25] EN
[54] **EMULSIFIABLE CONCENTRATE COMPRISING PESTICIDE, ALKYL LACTATE, AND LACTAMIDE**
[54] **CONCENTRE EMULSIONNABLE COMPRENANT UN PESTICIDE, UN LACTATE D'ALKYLE ET UN LACTAMIDE**
[72] MERTOGLU, MURAT, DE
[72] BECHTEL, STEFAN, DE
[72] ANNAWALD, NATASCHA, DE
[72] ANNAWALD, MARCUS, DE
[72] WALTHER, TANJA, DE
[73] BASF AGRO B.V., NL
[85] 2016-08-04
[86] 2015-02-04 (PCT/EP2015/052256)
[87] (WO2015/121119)
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[25] EN
[54] **CIRCUIT INTERRUPTION DEVICE EMPLOYING SHAPE MEMORY ALLOY ELEMENT**
[54] **DISPOSITIF D'INTERRUPTION DE CIRCUIT EMPLOYANT UN ELEMENT EN ALLIAGE A MEMOIRE DE FORME**
[72] MILLS, PATRICK WELLINGTON, US
[72] MCCORMICK, JAMES MICHAEL, US
[72] GEIER, DAVID MICHAEL, US
[73] LABINAL, LLC, US
[85] 2016-08-11
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[54] **OXYGEN SENSOR COMPRISING A TIP COATED OPTICAL FIBRE WITH A LARGE DIAMETER**
[54] **CAPTEUR D'OXYGENE COMPRENANT UNE FIBRE OPTIQUE DE GRAND DIAMETRE A POINTE REVETUE**
[72] MADHAV, KALAGA, IN
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-08-17
[86] 2015-02-17 (PCT/EP2015/053328)
[87] (WO2015/121499)
[30] GB (1402734.6) 2014-02-17
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[25] EN
[54] **METHODS AND APPARATUS TO EXPOSE ENCLOSURE LABELS**
[54] **PROCEDES ET APPAREIL D'EXPOSITION D'ETIQUETTES D'ENCEINTE**
[72] CARTER, PERRY K., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2016-08-19
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[25] EN
[54] **METHOD FOR PRODUCING A FLURANE COMPLEX**
[54] **PROCEDE DE PRODUCTION D'UN COMPLEXE FURANIQUE**
[72] ROEWER, NORBERT, DE
[72] BROSCHEIT, JENS, DE
[73] SAPIOTEC GMBH, DE
[85] 2016-08-25
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[25] EN
[54] **COMMON BOOT SEQUENCE FOR CONTROL UTILITY ABLE TO BE INITIALIZED IN MULTIPLE ARCHITECTURES**
[54] **SEQUENCE D'AMORCAGE COMMUNE POUR UNE FONCTIONNALITE DE COMMANDE APTE A ETRE INITIALISEE DANS DE MULTIPLES ARCHITECTURES**
[72] GSCHWIND, MICHAEL KARL, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[54] **METHODS AND APPARATUS FOR CALIBRATING CONTROLLERS FOR USE WITH WELLS**
[54] **METHODES ET APPAREIL D'ETALONNAGE DE CONTROLEURS UTILISABLES AVEC DES PUITS**
[72] MILLS, THOMAS MATTHEW, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
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[25] EN
[54] **ANTIFUNGAL COMPOUND PROCESS**
[54] **PREPARATION D'UN COMPOSE ANTIFONGIQUE**
[72] HOEKSTRA, WILLAM J., US
[72] YATES, CHRISTOPHER M., US
[73] MYCOVIA PHARMACEUTICALS, INC., US
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[25] EN
[54] **VISOR ASSEMBLY**
[54] **ENSEMBLE VISIERE**
[72] LIPKENS, PAUL WILHELMUS, BE
[73] PWL&RS PATENTS BVBA, BE
[85] 2016-09-23
[86] 2015-04-02 (PCT/BE2015/000011)
[87] (WO2015/149137)
[30] BE (2014/0230) 2014-04-04

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[51] **Int.Cl. G01S 15/89 (2006.01) G01S 7/52 (2006.01)**
[25] EN
[54] **SYNTHETIC ANTENNA SONAR AND METHOD FOR FORMING SYNTHETIC ANTENNA BEAMS**
[54] **SONAR A ANTENNE SYNTHETIQUE ET PROCEDE DE FORMATION DE VOIES D'ANTENNE SYNTHETIQUE**
[72] BURLET, NICOLAS, FR
[72] MANDELERT, NICOLAS, FR
[72] GUTHMANN, PIERRE, FR
[73] THALES, FR
[85] 2016-09-14
[86] 2015-03-13 (PCT/EP2015/055334)
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[25] EN
[54] **ANIMAL FORAGE HANDLING ARRANGEMENT AND METHOD OF CONTROLLING THE SAME**
[54] **AGENCEMENT POUR MANIPULATION DE FOURRAGE POUR ANIMAUX ET SON PROCEDE DE COMMANDE**
[72] PETTERSSON, UNO, SE
[72] SVENSSON, ERIK, SE
[73] DELAVAL HOLDING AB, SE
[85] 2016-10-03
[86] 2015-03-31 (PCT/SE2015/050398)
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[25] EN
[54] **UPGRADING LIGNIN FROM LIGNIN-CONTAINING RESIDUES THROUGH REACTIVE EXTRACTION**
[54] **VALORISATION DE LA LIGNINE ISSUE DE RESIDUS CONTENANT DE LA LIGNINE PAR EXTRACTION REACTIVE**
[72] BALAKSHIN, MIKHAIL Y., US
[72] CAPANEMA, EWELLYN A., US
[72] COLAKYAN, MANUK, US
[72] LIPIECKI, FRANCIS, US
[73] RENMATIX, INC., US
[85] 2016-10-04
[86] 2015-05-01 (PCT/US2015/028815)
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[25] EN
[54] **METHOD AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF PIR/PUIR/PUR FOAM CORED SANDWICH PANELS**
[54] **PROCEDE ET APPAREIL POUR LA PRODUCTION EN CONTINU DE PANNEAUX SANDWICH A NOYAU EN MOUSSE PIR/PUIR/PUR**
[72] AL RAMANATHAN, ELANGOVAN, MY
[72] XIONG, LOH CHER, MY
[73] BASF SE, DE
[85] 2016-10-05
[86] 2015-04-02 (PCT/EP2015/057408)
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[25] EN
[54] **CYCLOPROPANAMINE COMPOUND AND USE THEREOF**
[54] **COMPOSE DE CYCLOPROPANAMINE ET SON UTILISATION**
[72] MATSUMOTO, SHIGEMITSU, JP
[72] HATTORI, YASUSHI, JP
[72] TOYOFUKU, MASASHI, JP
[72] MORIMOTO, SHINJI, JP
[72] DAINI, MASAKI, JP
[72] KOJIMA, TAKUTO, JP
[72] KAKU, TOMOHIRO, JP
[72] ITO, MITSUHIRO, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2016-10-06
[86] 2015-04-09 (PCT/JP2015/061651)
[87] (WO2015/156417)
[30] JP (2014-082057) 2014-04-11

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **INDEPENDENT CONTROL OF AUGER AND HOPPER ASSEMBLY IN ELECTRIC BLENDER SYSTEM**
[54] **COMMANDE INDEPENDANTE D'UN ASSEMBLAGE DE TARIERE ET TREMIE DANS UN SYSTEME DE MELANGEUR ELECTRIQUE**
[72] OEHRING, JARED, US
[72] HINDERLITER, BRANDON N., US
[73] US WELL SERVICES, LLC, US
[86] (2945580)
[87] (2945580)
[22] 2016-10-17
[30] US (62/242,657) 2015-10-16
[30] US (15/202,085) 2016-07-05

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[51] **Int.Cl. B64D 11/06 (2006.01) B60N 2/005 (2006.01)**
[25] EN
[54] **SEAT TRACKS WITH COMPOSITE FRAMES**
[54] **GLISSIERES DE SIEGE DOTEES DE CADRES EN COMPOSITE**
[72] SIMPSON, KHAMBREL A., US
[73] THE BOEING COMPANY, US
[86] (2946394)
[87] (2946394)
[22] 2016-10-25
[30] US (14/952777) 2015-11-25

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[25] EN
[54] **ZIP LINE ASSEMBLY AND TROLLEY THEREFORE**
[54] **APPAREILLAGE DE TYROLIENNE ET POULIE ASSOCIEE**
[72] REESE, LLOYD WAYNE, US
[72] HUGHES, JAMES ALAN, US
[73] MIRACLE RECREATION EQUIPMENT COMPANY, US
[86] (2946642)
[87] (2946642)
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[25] FR
[54] **DEVICE INTENDED FOR IMPLEMENTING AN ANODIZATION TREATMENT AND ANODIZATION TREATMENT**
[54] **DISPOSITIF DESTINE A LA MISE EN OEUVRE D'UN TRAITEMENT D'ANODISATION ET TRAITEMENT D'ANODISATION**
[72] GURT SANTANACH, JULIEN, FR
[72] VIOLA, ALAIN, FR
[73] SAFRAN HELICOPTER ENGINES, FR
[73] SAFRAN LANDING SYSTEMS, FR
[85] 2016-10-21
[86] 2015-04-20 (PCT/FR2015/051062)
[87] (WO2015/166165)
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[54] **HYDROGENATION OF OXYGENATED MOLECULES FROM BIOMASS REFINING**
[54] **HYDROGENATION DE MOLECULES OXYGENEES ISSUES DU RAFFINAGE DE BIOMASSE**
[72] JANSEN, ROBERT, US
[72] LAPIDOT, NOA, IL
[72] LAWSON, JAMES ALAN, US
[72] ZVIELY, MICHAEL, IL
[72] MATIS, NETA, IL
[72] MADSEN, LEE, US
[72] HALLAC, BASSEM, IL
[72] TRAVISANO, PHILIP, US
[73] VIRDIA, LLC, US
[85] 2016-10-24
[86] 2015-05-12 (PCT/US2015/030431)
[87] (WO2015/175571)
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[51] **Int.Cl. A61K 31/14 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **ADMINISTRATION OF CITICOLINE TO IMPROVE COGNITIVE PERFORMANCE, ATTENTIONAL PERFORMANCE, AND MOTOR FUNCTION**
[54] **ADMINISTRATION DE CITICOLINE POUR AMELIORER LA PERFORMANCE COGNITIVE, LES TROUBLES DE L'ATTENTION, ET LA FONCTION MOTRICE**
[72] YURGELUN-TODD, DEBORAH, US
[72] RENSHAW, PERRY, US
[72] TAKADA, MIHO, JP
[72] IKEDA, TAKESHI, JP
[72] MORITA, MASAHIKO, JP
[73] KYOWA HAKKO BIO CO., LTD., JP
[85] 2016-10-27
[86] 2015-04-30 (PCT/IB2015/053178)
[87] (WO2015/166463)
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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR PREPARING BREWED BEVERAGES, AND CAPSULE, CAPSULE SYSTEM AND METHOD FOR PRODUCING A BREWED BEVERAGE**
[54] **DISPOSITIF DE PREPARATION DE BOISSONS INFUSEES, CAPSULE, SYSTEME DE CAPSULE ET PROCEDE DE PREPARATION D'UNE BOISSON INFUSEE**
[72] HESSELBROCK, KATRIN, DE
[72] NEUHAUS, SVEN, DE
[72] PAHNKE, JAN, DE
[72] SCHANDL, GEROLD, DE
[72] EBBECKE, ANDREAS, DE
[72] LAASCH, FABIAN, DE
[72] WEBER, THOMAS, DE
[73] MELITTA SINGLE PORTIONS GMBH & CO. KG, DE
[85] 2016-11-10
[86] 2015-06-03 (PCT/EP2015/062362)
[87] (WO2016/005113)
[30] DE (10 2014 109 768.8) 2014-07-11

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[25] EN
[54] **5-HT4 RECEPTOR AGONIST FOR GASTROPARESIS**
[54] **AGONISTE DU RECEPTEUR 5-HT4 POUR LA GASTROPARESIE**
[72] TAKAHASHI, NOBUYUKI, JP
[72] YAMAMOTO, TOSHINORI, JP
[72] SHIMADA, KAORU, JP
[72] NOGUCHI, HIROHIDE, JP
[73] RAQUALIA PHARMA INC., JP
[85] 2016-11-04
[86] 2015-05-18 (PCT/JP2015/002478)
[87] (WO2015/174098)
[30] US (61/994,432) 2014-05-16

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[51] **Int.Cl. F04D 15/00 (2006.01) F04D 15/02 (2006.01) F04D 29/70 (2006.01) F04D 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A PUMP ARRANGEMENT**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE POMPE**
[72] FULLEMANN, ALEXANDER, SE
[73] XYLEM EUROPE GMBH, CH
[85] 2016-11-24
[86] 2015-06-01 (PCT/IB2015/054145)
[87] (WO2015/186046)
[30] SE (1450673-7) 2014-06-03

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[51] **Int.Cl. C08G 61/08 (2006.01)**
[25] EN
[54] **LIQUID FORMULATION FOR REACTION INJECTION MOLDING AND MANUFACTURING METHOD THEREOF**
[54] **FORMULATION LIQUIDE POUR MOULAGE PAR INJECTION-REACTION ET SON PROCEDE DE PREPARATION**
[72] KAMADA, MICHIRU, JP
[73] RIMTEC CORPORATION, JP
[85] 2016-12-09
[86] 2015-06-19 (PCT/JP2015/067755)
[87] (WO2015/198990)
[30] JP (2014-132008) 2014-06-27

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[25] EN
[54] **CONTAINER INTEGRATION DEVICE AND METHOD OF USE**
[54] **DISPOSITIF D'INTEGRATION DE CONTENANT ET PROCEDE D'UTILISATION**
[72] CAHALAN, GERARD ANTHONY, US
[72] MOONEY, MICHAEL, US
[72] JULIUS, ROBERT P., US
[73] NICE-PAK PRODUCTS, INC., US
[85] 2016-12-19
[86] 2015-07-10 (PCT/US2015/039922)
[87] (WO2016/007846)
[30] US (62/023,461) 2014-07-11

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[25] EN
[54] **BONE REDUCTION FORCEPS AND PLATE HOLDING FORCEPS**
[54] **PINCE A REDUCTION OSSEUSE ET PINCE DE MAINTIEN DE PLAQUE**
[72] HASHMI, ADAM, US
[72] DOWNEY, DAVID, US
[72] LUI, ERIC, US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2016-12-20
[86] 2015-06-19 (PCT/US2015/036608)
[87] (WO2016/003671)
[30] US (14/320,558) 2014-06-30

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[51] **Int.Cl. A61K 31/661 (2006.01) A61K 45/08 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **TREATMENT OF FAMILIAL EXUDATIVE VITREORETINOPATHY THROUGH S1PR2 INHIBITION**
[54] **TRAITEMENT DE LA VITREORETINOPATHIE EXSUDATIVE FAMILIALE PAR INHIBITION DE S1PR2**
[72] MCMASTER, CHRISTOPHER, CA
[73] DALHOUSIE UNIVERSITY, CA
[85] 2016-12-02
[86] 2015-06-01 (PCT/CA2015/050503)
[87] (WO2015/184541)
[30] US (62/006,779) 2014-06-02

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[51] **Int.Cl. F21L 4/00 (2006.01) F21K 99/00 (2016.01) F21L 4/04 (2006.01) F21V 21/08 (2006.01)**
[25] EN
[54] **LIGHTING DEVICE AND METHOD OF USING THE SAME**
[54] **DISPOSITIF D'ECLAIRAGE ET SON PROCEDE D'UTILISATION**
[72] LAFLEUR, ANDRE, CA
[72] DIEC, HUGO, CA
[72] FRANCOEUR, SUZANNE, CA
[73] D-MEDTECH INC., CA
[85] 2016-12-28
[86] 2015-07-22 (PCT/CA2015/050685)
[87] (WO2016/011553)
[30] US (62/027,763) 2014-07-22

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[25] FR
[54] **METHOD FOR MANAGING FLUIDS NECESSARY FOR THE OPERATION OF A VEHICLE AND DEVICE FOR IMPLEMENTING SAME**
[54] **PROCEDE DE GESTION DE FLUIDES NECESSAIRES A L'EXPLOITATION D'UN VEHICULE ET DISPOSITIF PERMETTANT DE LE METTRE EN OEUVRE**
[72] BOUKARI, MOROU, FR
[72] AURIOL, MARC, FR
[73] PRODOSE, FR
[85] 2016-12-29
[86] 2015-07-27 (PCT/FR2015/052077)
[87] (WO2016/016569)
[30] FR (1457426) 2014-07-31

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[25] EN
[54] **INSECTICIDAL, MITICIDAL, NEMATICIDAL, MOLLUSCICIDAL, MICROBICIDAL, OR BACTERICIDAL COMPOSITION AND METHOD FOR CONTROLLING PEST**
[54] **COMPOSITION INSECTICIDE, ACARICIDE, NEMATOCIDE, MOLLUSCICIDE, DE STERILISATION OU BACTERICIDE, ET PROCEDE DE LUTTE CONTRE LES INSECTES NUISIBLES**
[72] KAGAMI, TAKAHIRO, JP
[73] NISSAN CHEMICAL INDUSTRIES, LTD., JP
[85] 2016-12-29
[86] 2015-06-30 (PCT/JP2015/068850)
[87] (WO2016/002790)
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[25] EN
[54] **COMPOSITION CONTAINING APOMORPHINE AND A DIVALENT METAL CATION**
[54] **COMPOSITION CONTENANT DE L'APOMORPHINE ET UN CATION METALLIQUE DIVALENT**
[72] LEADER, IAN PHILIP, GB
[73] BRITANNIA PHARMACEUTICALS LIMITED, GB
[85] 2017-01-04
[86] 2015-07-31 (PCT/EP2015/001577)
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[25] FR
[54] **COMPACT NEBULIZER FOR FRESHENING THE AIR**
[54] **NEBULISEUR COMPACT POUR RAFRAICHIR L'AIR**
[72] GSCHWIND, MICHEL, FR
[72] RICHARD, FREDERIC, FR
[72] SABRAOUI, ABBAS, FR
[73] ARECO FINANCES ET TECHNOLOGIE - ARFITEC, FR
[85] 2017-01-16
[86] 2015-07-07 (PCT/FR2015/051877)
[87] (WO2016/009127)
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[25] EN
[54] **CONDUCTIVE POLYMER COMPOSITE**
[54] **COMPOSITE POLYMERE CONDUCTEUR**
[72] BILOTTI, EMILIANO, GB
[73] LMK THERMOSAFE LTD., GB
[85] 2017-01-19
[86] 2015-07-17 (PCT/GB2015/052073)
[87] (WO2016/012762)
[30] GB (1413136.1) 2014-07-24

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[25] EN
[54] **DEVICE AND METHOD FOR PROTECTING THE EYES AGAINST RADIATION**
[54] **DISPOSITIF ET PROCEDE DE PROTECTION DES YEUX CONTRE UN RAYONNEMENT**
[72] CARUSO, NUNZIO GIUSEPPE, CH
[73] CARUSO, NUNZIO GIUSEPPE, CH
[85] 2016-12-29
[86] 2015-07-13 (PCT/EP2015/065958)
[87] (WO2016/008839)
[30] EP (14176838.2) 2014-07-13

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[51] **Int.Cl. C12N 1/19 (2006.01) C07K 14/195 (2006.01) C07K 14/37 (2006.01) C07K 14/395 (2006.01) C12N 9/90 (2006.01) C12N 15/31 (2006.01) C12N 15/61 (2006.01) C12N 15/81 (2006.01) C12P 7/06 (2006.01) C12P 19/00 (2006.01)**
[25] EN
[54] **MUTATIONS IN IRON-SULFUR CLUSTER PROTEINS THAT IMPROVE XYLOSE UTILIZATION**
[54] **MUTATIONS DANS DES PROTEINES DU GROUPE FER-SOUFRE QUI AMELIORENT L'UTILISATION DU XYLOSE**
[72] FROEHLICH, ALLAN, US
[72] HENNINGSEN, BROOKS, US
[72] COVALLA, SEAN, US
[72] ZELLE, RINTZE M., US
[73] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[85] 2017-02-03
[86] 2015-08-11 (PCT/IB2015/056101)
[87] (WO2016/024215)
[30] US (62/035,748) 2014-08-11

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[13] C
[51] **Int.Cl. A61B 6/12 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **TISSUE MARKER FOR MULTIMODALITY RADIOGRAPHIC IMAGING**
[54] **MARQUEUR DE TISSU POUR IMAGERIE RADIOGRAPHIQUE A MODALITES MULTIPLES**
[72] BOLAN, PATRICK J., US
[72] GROSS, MARK C., US
[72] HALPERN, DANIEL A., US
[72] NELSON, MICHAEL T., US
[73] BREAST-MED, INC., US
[85] 2017-02-21
[86] 2015-08-20 (PCT/US2015/046038)
[87] (WO2016/028976)
[30] US (14/466,010) 2014-08-22

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[13] C
[51] **Int.Cl. B25B 27/16 (2006.01) B23P 19/04 (2006.01) F01D 25/24 (2006.01)**
[25] FR
[54] **EXTRACTION SLEEVE**
[54] **DOUILLE D'EXTRACTION**
[72] LEUTARD, FLORENCE IRENE NOELLE, FR
[72] BAUDUIN, PIERRICK RAPHAEL AMERICO, FR
[72] RENON, OLIVIER, FR
[72] SULTANA, PATRICK, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-03-20
[86] 2015-09-29 (PCT/FR2015/052605)
[87] (WO2016/051080)
[30] FR (1459247) 2014-09-30

[11] **2,962,774**
[13] C
[51] **Int.Cl. C08J 5/18 (2006.01) C08J 3/20 (2006.01) C08K 3/22 (2006.01) C08L 75/04 (2006.01)**
[25] EN
[54] **METAL DETECTABLE POLYURETHANE FILM**
[54] **PELLICULE DE POLYURETHANE METALLIQUE DETECTABLE**
[72] HURST, STEPHEN, CA
[73] HURST, STEPHEN, CA
[86] (2962774)
[87] (2962774)
[22] 2017-03-30

[11] **2,963,856**
[13] C
[51] **Int.Cl. C02F 1/461 (2006.01) C02F 1/46 (2006.01) D06F 75/14 (2006.01) C02F 5/02 (2006.01)**
[25] FR
[54] **APPARATUS COMPRISING AN ANODE AND A CATHODE FOR PRECIPITATING CALCIUM CARBONATE**
[54] **APPAREIL COMPORTANT UNE ANODE ET UNE CATHODE POUR FAIRE PRECIPITER LE CARBONATE DE CALCIUM**
[72] CORDIER, THOMAS, FR
[72] DUBOST, JEAN-PHILIPPE, FR
[72] GELUS, DOMINIQUE, FR
[72] LEBOEUF, STEPHANE, FR
[72] NORMAND, BERNARD, FR
[73] SEB S.A., FR
[73] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, FR
[73] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2017-04-06
[86] 2015-11-10 (PCT/FR2015/053045)
[87] (WO2016/075406)
[30] FR (1460982) 2014-11-14

[11] **2,963,890**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/22 (2006.01) A61B 17/3207 (2006.01)**
[25] EN
[54] **VEIN ABLATION DEVICE AND METHOD**
[54] **DISPOSITIF ET METHODE DE RESECTION D'UNE VEINE**
[72] BRANDEIS, ZEEV, IL
[73] V.V.T. MED LTD., IL
[85] 2017-04-06
[86] 2014-10-01 (PCT/IL2014/050863)
[87] (WO2015/052703)
[30] US (61/890,269) 2013-10-13

[11] **2,964,993**
[13] C
[51] **Int.Cl. B01J 19/10 (2006.01) B01D 17/04 (2006.01)**
[25] EN
[54] **CAVITATION REACTOR**
[54] **REACTEUR DE CAVITATION**
[72] MITTON, MICHAEL JON, CA
[73] MITTON VALVE TECHNOLOGY INC., CA
[85] 2017-04-19
[86] 2014-10-31 (PCT/CA2014/000783)
[87] (WO2015/061888)
[30] US (61/898,833) 2013-11-01
[30] US (61/900,539) 2013-11-06

[11] **2,967,337**
[13] C
[51] **Int.Cl. G01R 33/561 (2006.01) G01R 33/28 (2006.01) G01R 33/565 (2006.01) G01R 33/60 (2006.01) G01R 33/38 (2006.01)**
[25] EN
[54] **PULSE SEQUENCES FOR LOW FIELD MAGNETIC RESONANCE**
[54] **SEQUENCES D'IMPULSIONS POUR RESONANCE MAGNETIQUE A FAIBLE CHAMP**
[72] SACOLICK, LAURA, US
[72] ROSEN, MATTHEW SCOT, US
[72] CHARVAT, GREGORY L., US
[72] ROTHBERG, JONATHAN M., US
[72] SARRACANIE, MATHIEU, US
[73] HYPERFINE, INC., US
[85] 2017-05-10
[86] 2015-11-11 (PCT/US2015/060117)
[87] (WO2016/077438)
[30] US (62/078,378) 2014-11-11

[11] **2,968,194**
[13] C
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 20/00 (2006.01) E04C 2/04 (2006.01)**
[25] EN
[54] **CONSTRUCTION PANEL HAVING IMPROVED FIXING STRENGTH**
[54] **PANNEAU DE CONSTRUCTION PRESENTANT UNE RESISTANCE DE FIXATION AMELIOREE**
[72] BROOKS, LAURA, GB
[72] JUPP, NICOLA, GB
[72] SPARKES, JOANNA, GB
[72] TABOULOT, ELODIE, GB
[72] RICHARDSON, ADAM, GB
[72] JONES, NICOLAS, GB
[72] RIDEOUT, JAN, GB
[73] SAINT-GOBAIN PLACO SAS, FR
[85] 2017-05-17
[86] 2015-11-19 (PCT/GB2015/053536)
[87] (WO2016/079529)
[30] GB (1420676.7) 2014-11-20

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[13] C
[51] **Int.Cl. A61M 5/172 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **FORCE SENSING RESISTOR FOR LIQUID LOW-VOLUME DETECTION AND OCCLUSION SENSING AND METHODS AND APPARATUSES FOR FLOW SENSING ALONG FLUID PATH IN FLUID DELIVERY DEVICE**
[54] **RESISTANCE DE DETECTION DE FORCE POUR DETECTION DE FAIBLE VOLUME DE LIQUIDE ET DETECTION D'OCCLUSION ET PROCEDES ET APPAREILS POUR DETECTION D'ECOULEMENT LE LONG DU TRAJET DE FLUI DE DANS UN DISPOSITIF D'ADMINISTRATION DE FLUIDE**
[72] PIZZOCHERO, ALESSANDRO, US
[72] GYORY, RICHARD J., US
[72] ISKANDAR, JOSEPH, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2017-05-18
[86] 2015-12-04 (PCT/US2015/064028)
[87] (WO2016/090265)
[30] US (62/087,775) 2014-12-04

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[13] C
[51] **Int.Cl. C07K 14/735 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **SOLUBLE UNIVERSAL ADCC-ENHANCING SYNTHETIC FUSION GENE AND PEPTIDE TECHNOLOGY AND ITS USE THEREOF**
[54] **GENE DE FUSION SYNTHETIQUE UNIVERSEL SOLUBLE AMELIORANT L'ADCC ET TECHNOLOGIE PEPTIDIQUE ET SON UTILISATION**
[72] LI, CHIANG J., US
[72] UNNIRAMAN, SHYAM, US
[73] 1GLOBE BIOMEDICAL CO., LTD., CN
[85] 2017-05-25
[86] 2015-12-08 (PCT/US2015/064572)
[87] (WO2016/094456)
[30] US (62/089,097) 2014-12-08
[30] US (62/200,557) 2015-08-03

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[13] C
[51] **Int.Cl. H01F 13/00 (2006.01)**
[25] EN
[54] **DEMAGNETIZATION DEVICE AND METHOD FOR DEMAGNETIZING A TRANSFORMER CORE**
[54] **DISPOSITIF DE DEMAGNETISATION ET PROCEDE DE DEMAGNETISATION D'UN NOYAU DE TRANSFORMATEUR**
[72] KLAPPER, ULRICH, AT
[73] OMICRON ELECTRONICS GMBH, AT
[85] 2017-06-06
[86] 2015-12-09 (PCT/EP2015/079087)
[87] (WO2016/091932)
[30] AT (A 50892/2014) 2014-12-09

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[13] C
[51] **Int.Cl. B21D 26/035 (2011.01) B21D 26/047 (2011.01)**
[25] EN
[54] **MOLDING DEVICE AND MOLDING METHOD**
[54] **DISPOSITIF DE MOULAGE ET PROCEDE DE MOULAGE**
[72] ISHIZUKA, MASAYUKI, JP
[72] SAIKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[72] KOMATSU, TAKASHI, JP
[73] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2017-06-08
[86] 2015-12-03 (PCT/JP2015/084022)
[87] (WO2016/093147)
[30] JP (2014-250509) 2014-12-11

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[13] C
[51] **Int.Cl. C25C 3/08 (2006.01) C25C 3/16 (2006.01)**
[25] EN
[54] **A MODIFIED ELECTROLYSIS CELL AND A METHOD FOR MODIFYING SAME**
[54] **CELLULE D'ELECTROLYSE MODIFIEE ET PROCEDE PERMETTANT DE MODIFIER CETTE DERNIERE**
[72] BARDAL, ASGEIR, NO
[72] GISKEODEGARD, NILS-HAVARD, NO
[72] PAULIDES, SIPKE, NO
[72] JORGENSEN, ROBERT, NO
[72] HOP, JORUND, NO
[72] LILLEBY, ANDERS, NO
[73] NORSK HYDRO ASA, NO
[85] 2017-06-12
[86] 2015-12-22 (PCT/NO2015/000030)
[87] (WO2016/105204)
[30] NO (20141572) 2014-12-23

[11] **2,970,674**
[13] C
[51] **Int.Cl. A46B 5/02 (2006.01)**
[25] EN
[54] **ORAL CARE IMPLEMENT HAVING MULTI-COMPONENT HANDLE**
[54] **INSTRUMENT DE SOIN BUCCAL AYANT UN MANCHE A MULTIPLES ELEMENTS**
[72] JIMENEZ, EDUARDO J., US
[72] MOSKOVICH, ROBERT, US
[72] WAGUESPACK, KENNETH, US
[72] KIRCHHOFER, ROGER, CH
[72] BIERI, KURT, CH
[72] STORZ, JOACHIM, AT
[72] WECHSLER, ANDREAS, AT
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-06-12
[86] 2014-12-23 (PCT/US2014/072063)
[87] (WO2016/105368)

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[11] **2,971,225**
[13] C
[51] **Int.Cl. A61B 5/022 (2006.01)**
[25] EN
[54] **ISCHEMIC PRECONDITION TREATMENT EQUIPMENT AND USE AND METHOD THEREOF FOR JUDGING HEALTH CONDITION OF BLOOD VESSELS**
[54] **EQUIPEMENT DE TRAITEMENT DE PRE-CONDITION ISCHEMIQUE, ET UTILISATION ET PROCEDE DE CE DERNIER POUR EVALUER L'ETAT DE SANTE DE VAISSEAUX SANGUINS**
[72] JI, XUNMING, CN
[72] CHEN, QIANRUI, CN
[73] JI, XUNMING, CN
[85] 2017-06-16
[86] 2015-01-15 (PCT/CN2015/070731)
[87] (WO2016/101367)
[30] CN (201410834305.2) 2014-12-26

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[13] C
[51] **Int.Cl. G07C 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF ELECTRONIC VOTING IMPLEMENTED IN A PORTABLE DEVICE**
[54] **PROCEDE ET SYSTEME DE VOTE ELECTRONIQUE IMPLEMENTE DANS UN DISPOSITIF PORTABLE**
[72] CORREA PARKER, CESAR RAMON JUAN, CL
[73] CORREA PARKER, CESAR RAMON JUAN, CL
[85] 2017-07-19
[86] 2015-01-21 (PCT/CL2015/000004)
[87] (WO2016/115646)

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[13] C
[51] **Int.Cl. F16L 21/06 (2006.01) F16L 21/00 (2006.01) F16L 33/04 (2006.01) F16L 55/172 (2006.01)**
[25] EN
[54] **PIPE COUPLING FOR CONNECTING TWO PIPE ENDS OR PIPE CLAMP FOR SEALING A DEFECTIVE PIPE**
[54] **ACCOUPLEMENT DE TUYAUX POUR RELIER DEUX EXTREMITES DE TUYAUX OU COLLIER DE TUYAU POUR RENDRE ETANCHE UN TUYAU DEFECTUEUX**
[72] MANNHART, HUBERT, CH
[72] SUDAR, DAMIR, CH
[73] STRAUB WERKE AG, CH
[85] 2017-07-21
[86] 2016-01-26 (PCT/IB2016/050382)
[87] (WO2016/120788)
[30] EP (15152574.8) 2015-01-26

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[11] **2,975,148**
[13] C
[51] **Int.Cl. A23K 40/30 (2016.01) A23K 10/00 (2016.01) A23K 20/00 (2016.01) A23K 20/158 (2016.01) A23K 40/00 (2016.01) A23K 50/42 (2016.01) A23K 50/45 (2016.01)**
[25] EN
[54] **CORE AND SHELL KIBBLE-LIKE PRODUCT**
[54] **PRODUIT EN FORME DE MOULE A NOYAU ET ENVELOPPE**
[72] SLUSARCZYK, PETER, US
[72] CONYER, SJON-PAUL, US
[72] PORTER, DAVID, US
[72] HARPER, NIGEL, US
[72] BUFF, PRESTON, US
[72] GUMUDAVELLI, VINOD, US
[72] TURNER, WALTER, US
[72] CHAPPELET, LAURIE, US
[73] MARS, INCORPORATED, US
[85] 2017-07-26
[86] 2016-02-18 (PCT/US2016/018420)
[87] (WO2016/134116)
[30] US (62/117,804) 2015-02-18
[30] US (62/117,811) 2015-02-18

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[11] **2,975,237**
[13] C
[51] **Int.Cl. E02D 29/02 (2006.01)**
[25] EN
[54] **A RETAINING WALL METHOD OF PRECAST BLOCK TO PREVENT LANDSLIDE**
[54] **PROCEDE POUR MUR DE SOUTENEMENT DE BLOCS PREFABRIQUES POUR EMPECHER LES GLISSEMENTS DE TERRAIN**
[72] LADKAT, RAJENDRA VITHAL, IN
[73] LADKAT, RAJENDRA VITHAL, IN
[85] 2017-07-27
[86] 2016-02-19 (PCT/IN2016/000045)
[87] (WO2016/132380)
[30] IN (2677/MUM/2014) 2015-02-21

[11] **2,975,746**
[13] C
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **TENSIONABLE CABLE ANCHOR ASSEMBLY AND A TENSIONING DEVICE FOR TENSIONING SAME**
[54] **ENSEMBLE D'ANCRAGE DE CABLE POUVANT ETRE TENDU ET DISPOSITIF DE MISE EN TENSION MECANIQUE POUR LA MISE EN TENSION MECANIQUE DE CE DERNIER**
[72] CAWOOD, MARTIN, ZA
[72] CROMPTON, BRENDAN ROBERT, ZA
[72] ABREU, RUAL, ZA
[73] EPIROC DRILLING TOOLS AB, SE
[85] 2017-08-02
[86] 2015-08-03 (PCT/ZA2015/000052)
[87] (WO2016/134386)
[30] ZA (2015/01099) 2015-02-18
[30] ZA (2015/02480) 2015-04-07

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[13] C
[51] **Int.Cl. F03D 3/06 (2006.01) F03B 3/14 (2006.01) F03B 17/06 (2006.01)**
[25] FR
[54] **SAVONIUS ROTOR**
[54] **ROTOR DE TYPE SAVONIUS**
[72] GUIGNARD, STEPHAN NORBERT, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE D'AIX-MARSEILLE, FR
[85] 2017-09-26
[86] 2015-03-31 (PCT/FR2015/050837)
[87] (WO2015/150697)
[30] FR (1452798) 2014-03-31

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[13] C
[51] **Int.Cl. B25J 9/18 (2006.01) B25J 5/00 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **STORE SHELF IMAGING SYSTEM AND METHOD**
[54] **SYSTEME D'IMAGERIE DE TABLETTE DE MAGASIN ET METHODE**
[72] VENABLE, DENNIS L., US
[72] WU, WENCHENG, US
[72] WADE, THOMAS F., US
[72] RIZZOLO, CHARLES D., US
[72] SHEN, ETHAN, CA
[73] CONDUENT BUSINESS SERVICES, LLC, US
[86] (2981552)
[87] (2981552)
[22] 2017-10-05
[30] US (15/294937) 2016-10-17

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[13] C
[51] **Int.Cl. F16M 3/00 (2006.01) B03D 1/14 (2006.01)**
[25] EN
[54] **A DRIVE MODULE AND ITS USES, A FLOTATION PLANT AND A METHOD OF CHANGING OF THE DRIVE MODULE**
[54] **MODULE D'ENTRAINEMENT ET SES UTILISATIONS, INSTALLATION DE FLOTTAISON ET PROCEDE DE MODIFICATION DU MODULE D'ENTRAINEMENT**
[72] TAHKIO, PEKKA, FI
[72] VAARNA, VALTTERI, FI
[72] LUUKKONEN, MATTI, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2017-11-06
[86] 2015-05-13 (PCT/FI2015/050325)
[87] (WO2016/181022)

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[13] C
[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS FOR A WINDOW BLIND**
[54] **APPAREIL DE COMMANDE D'UN STORE DE FENETRE**
[72] CHENG, CHING-HSIANG, CN
[73] CHENG, CHING-HSIANG, CN
[86] (2985581)
[87] (2985581)
[22] 2017-11-15
[30] TW (105143151) 2016-12-26

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[13] C
[51] **Int.Cl. D06M 15/03 (2006.01) D06M 13/188 (2006.01)**
[25] EN
[54] **A WETTING SYSTEM FOR PROVIDING A WETTING EFFECT TO A FABRIC OR TEXTILE**
[54] **SYSTEME DE MOUILLAGE POUR FOURNIR UN EFFET DE MOUILLAGE A UN TISSU OU TEXTILE**
[72] BROWN, NICHOLAS, GB
[72] ELLIS, DAVID JOHN, GB
[73] NIKWAX LIMITED, GB
[85] 2017-11-14
[86] 2016-05-17 (PCT/GB2016/051413)
[87] (WO2016/185195)
[30] GB (1508527.7) 2015-05-18
[30] GB (1607178.9) 2016-04-25

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[13] C
[51] **Int.Cl. C07K 14/68 (2006.01) A61K 8/64 (2006.01) A61K 38/34 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) A61Q 17/04 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **ENHANCED MELANOMA CANCER PREVENTION BY NOVEL MELANOTROPINS**
[54] **AMELIORATION DE LA PREVENTION DU CANCER PAR DE NOUVELLES MELANOTRINES**
[72] HRUBY, VICTOR J., US
[72] CAI, MINYING, US
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2017-11-17
[86] 2016-05-18 (PCT/US2016/033010)
[87] (WO2016/187264)
[30] US (62/162,997) 2015-05-18

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[13] C
[51] **Int.Cl. B01J 20/06 (2006.01) B01J 20/28 (2006.01) G21F 9/12 (2006.01)**
[25] EN
[54] **ADSORBENT FOR ADSORBING IODINE COMPOUNDS AND/OR ANTIMONY, METHOD FOR PREPARING SAID ADSORBENT, AND METHOD AND APPARATUS FOR TREATING RADIOACTIVE WASTE LIQUID BY USING SAID ADSORBENT**
[54] **ADSORBANT POUR L'ADSORPTION DE COMPOSES D'IODE ET/OU D'ANTIMOINE, PROCEDE DE PREPARATION DUDIT ADSORBANT, ET PROCEDE ET APPAREIL DE TRAITEMENT DE DECHET LIQUIDE RADIOACTIF AU MOYEN DUDIT ADSORBANT**
[72] SAKUMA, TAKASHI, JP
[72] KOMATSU, MAKOTO, JP
[72] IZUMI, TAKESHI, JP
[72] ITO, TOMOHIKO, JP
[72] SHIBUYA, TORU, JP
[73] EBARA CORPORATION, JP
[73] NIHON KAISUI CO., LTD., JP
[85] 2017-11-21
[86] 2016-06-03 (PCT/JP2016/066666)
[87] (WO2016/195096)
[30] JP (2015-114113) 2015-06-04

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[13] C
[51] **Int.Cl. B01L 1/00 (2006.01)**
[25] EN
[54] **LABORATORY INSTRUMENT INDUSTRIAL DESIGN CUSTOMIZATION FOR CUSTOMER PERSONALIZATION**
[54] **ADAPTATION DE LA CONCEPTION INDUSTRIELLE D'UN INSTRUMENT DE LABORATOIRE POUR UNE PERSONNALISATION CLIENT**
[72] SHINDLEDECKER, SCOTT, US
[72] SKEVINGTON, EDWARD, US
[72] POHL, BRENT RONALD, US
[72] DIEMERT, DUSTIN, US
[72] GUILLET, THIERRY, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2017-11-27
[86] 2016-05-27 (PCT/US2016/034584)
[87] (WO2016/191657)
[30] US (62/167,429) 2015-05-28

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[13] C
[51] **Int.Cl. B60B 31/06 (2006.01) B60B 31/00 (2006.01)**
[25] EN
[54] **INFLATION HUBCAP INSTALLATION SYSTEM**
[54] **SYSTEME D'INSTALLATION D'ENJOLIVEUR DE GONFLAGE**
[72] MASSEY, MICHAEL JAMES, US
[73] STEMCO PRODUCTS, INC., US
[85] 2017-12-08
[86] 2016-06-13 (PCT/US2016/037257)
[87] (WO2016/205135)
[30] US (62/175,861) 2015-06-15

[11] **2,989,336**
[13] C
[51] **Int.Cl. G01B 13/14 (2006.01) G01F 23/14 (2006.01) G01L 9/06 (2006.01)**
[25] EN
[54] **SENSOR FOR REMOTE MEASUREMENT OF FLUID DEPTH IN ENVIRONMENTAL MONITORING**
[54] **CAPTEUR POUR LA MESURE A DISTANCE D'UNE PROFONDEUR DE FLUIDE EN SURVEILLANCE ENVIRONNEMENTALE**
[72] BARTLETT, PHILIP, CA
[72] ARGYLE, MIKE, US
[72] BUZAS, LAVENTE, CA
[72] WILLIAMS, ROGER, CA
[73] FTS FOREST TECHNOLOGY SYSTEMS LTD., CA
[85] 2017-12-13
[86] 2016-06-17 (PCT/CA2016/000173)
[87] (WO2016/201548)
[30] US (62/181,577) 2015-06-18

[11] **2,989,829**
[13] C
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **UNIQUE WORD (UW) BASED MULTIPLE ACCESS SIGNAL ACQUISITION TECHNIQUE**
[54] **PROCEDE D'ACQUISITION DE SIGNAUX D'ACCES MULTIPLE BASE SUR UN MOT UNIQUE (UW)**
[72] LEE, LIN-NAN, US
[72] CHEN, LIPING, US
[72] LIAU, VICTOR, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2017-12-15
[86] 2016-06-16 (PCT/US2016/037914)
[87] (WO2017/058308)
[30] US (62/180,957) 2015-06-17
[30] US (62/180,948) 2015-06-17

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[13] C
[51] **Int.Cl. A01B 29/00 (2006.01) A01B 45/00 (2006.01)**
[25] EN
[54] **A ROLLING ASSEMBLY**
[54] **ENSEMBLE DE ROULEMENT**
[72] DUFTY, RAYMOND JEFFREY, AU
[73] TRU-TURF PTY LTD, AU
[85] 2017-12-18
[86] 2016-06-16 (PCT/AU2016/050501)
[87] (WO2016/201509)
[30] AU (2015902292) 2015-06-16

[11] **2,990,232**
[13] C
[51] **Int.Cl. G01N 1/10 (2006.01)**
[25] EN
[54] **CRYOGENIC LIQUID SAMPLER**
[54] **ECHANTILLONNEUR DE LIQUIDE CRYOGENIQUE**
[72] PELLERIN, JOSEPH PHILIPPE, CA
[73] AIR LIQUIDE CANADA, INC., CA
[86] (2990232)
[87] (2990232)
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[30] US (15/823,777) 2017-11-28

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[54] **STACKABLE WALL SPACER FOR SUPPORTING REINFORCEMENT IN CONCRETE CONSTRUCTIONS**
[54] **ELEMENT D'ESPACEMENT DE PAROIS**
[72] ANDERSSON, STEFAN, SE
[73] INNOVATIV PLAST I VAST AB, SE
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[54] **SINGLE MOTOR POWER SEAT**
[54] **SIEGE ELECTRIQUE A UN SEUL MOTEUR**
[72] DALGORD, RODNEY, US
[72] RUNDE, DAVID, US
[73] MAGNA SEATING INC., CA
[85] 2017-12-29
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[25] EN
[54] **A TEMPORARY LOAD SECURING DEVICE FOR AN ARMOURED HIGH VOLTAGE CABLE AND A METHOD FOR FACILITATING INSTALLATION-RELATED OPERATIONS OF AN ARMOURED HIGH VOLTAGE CABLE**
[54] **DISPOSITIF DE FIXATION DE CHARGE TEMPORAIRE POUR CABLE HAUTE-TENSION BLINDE ET PROCEDE POUR FACILITER LES OPERATIONS LIEES A L'INSTALLATION D'UN CABLE HAUTE-TENSION BLINDE**
[72] HANSSON, STEFAN, SE
[72] BEHRENS, JONAS, SE
[73] NKT HV CABLES AB, SE
[85] 2018-01-03
[86] 2015-07-03 (PCT/EP2015/065211)
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[25] EN
[54] **CONNECTED SENSOR SUBSTRATE FOR BLISTER PACKS**
[54] **SUBSTRAT DE CAPTEUR CONNECTE POUR EMBALLAGES-COQUES**
[72] LESAU, VICTOR GUSEV, CA
[72] SPOGREEV, IVAN, CA
[73] CUEPATH INNOVATION INC., CA
[85] 2018-01-03
[86] 2016-07-04 (PCT/CA2016/050782)
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[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **EFFLUENT TREATMENT PROCESS - PH REFINEMENT FOR SULPHATE REMOVAL**
[54] **PROCEDE DE TRAITEMENT D'EFFLUENTS - AJUSTEMENT DU PH POUR L'ELIMINATION DES SULFATES**
[72] KOTZE, MARTHA HENDRIETTE, ZA
[73] MINTEK, ZA
[85] 2018-01-19
[86] 2016-07-22 (PCT/ZA2016/050026)
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[25] EN
[54] **METHOD AND DEVICE FOR DETECTING AN ELECTRICAL VOLTAGE IN A SUPPLY NETWORK**
[54] **PROCEDE ET DISPOSITIF DE DETECTION D'UNE TENSION ELECTRIQUE DANS UN RESEAU DE DISTRIBUTION**
[72] STRAFIEL, CHRISTIAN, DE
[72] ENGELKEN, SONKE, DE
[72] MACKENSEN, INGO, DE
[72] GERTJEGERDES, STEFAN, DE
[72] MELI, WILLIAM, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2018-01-23
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[54] **COMPUTER NUMERICAL CONTROL ASSEMBLY OR PROCESSING OF COMPONENTS**
[54] **ASSEMBLAGE OU TRAITEMENT DE COMPOSANTS PAR COMMANDE NUMERIQUE INFORMATIQUE**
[72] ALMAS, ROBERT DAVID, CA
[72] MUNROE, PHILIP DAVID, CA
[72] NICHOLSON, KENNETH WAYNE, CA
[72] SMITH, MARTIN GEORGE, CA
[73] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[85] 2018-02-09
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[54] **INTELLIGENT RCD SYSTEM**
[54] **SYSTEME A DISPOSITIF DE COMMANDE ROTATIF RCD INTELLIGENT**
[72] HARDT, JESSE ALAN, US
[72] TARIQUE, ZAURAYZE, US
[72] COUTURIER, YAWAN, US
[72] DOW, BLAINE, US
[72] BENSON, WALTER, US
[72] KAMPS, CHARLES H., III, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-02-20
[86] 2016-08-22 (PCT/US2016/047939)
[87] (WO2017/035041)
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[54] **TOUCH-FREE OPERABLE STOWAGE BIN ASSEMBLIES**
[54] **ASSEMBLAGES DE BAC DE RANGEMENT A FONCTIONNEMENT SANS CONTACT**
[72] SIMMS, RICHARD K., US
[72] DAME, STEPHEN G., US
[72] CLOUD, MARK L., US
[72] SMITH, TODD D., US
[73] THE BOEING COMPANY, US
[86] (2996602)
[87] (2996602)
[22] 2018-02-26
[30] US (62/469600) 2017-03-10
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[25] EN
[54] **THERAPEUTIC COMPOUND FOR PAIN AND SYNTHESIS THEREOF**
[54] **COMPOSE THERAPEUTIQUE CONTRE LA DOULEUR ET SA SYNTHESE**
[72] DECORTE, BART LIEVEN DANIEL, US
[72] RUSSCHER, JACOB CORNELIS, NL
[72] MONNEE, MENNO CORNELIS FRANCISCUS, NL
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-03-02
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[54] **IN-OVEN CAMERA**
[54] **CAMERA DANS UN FOUR**
[72] CHENG, SHIH-YU (THOMAS), US
[73] BRAVA HOME, INC., US
[85] 2018-03-08
[86] 2016-09-09 (PCT/US2016/051142)
[87] (WO2017/044876)
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[54] **DISPENSER FOR LIQUID TO PASTY SUBSTANCES**
[54] **DISTRIBUTEUR POUR MASSES LIQUIDES A PATEUSES**
[72] GOETTKE, SABINE, DE
[73] RPC BRAMLAGE GMBH, DE
[85] 2018-03-19
[86] 2016-09-21 (PCT/EP2016/072442)
[87] (WO2017/050832)
[30] DE (10 2015 116 075.7) 2015-09-23
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[54] **CONTROLLER FOR A GAMES CONSOLE**
[54] **MANETTE DE COMMANDE POUR CONSOLE DE JEU**
[72] BURGESS, SIMON, GB
[72] IRONMONGER, DUNCAN, US
[73] IRONBURG INVENTIONS LTD, GB
[86] (2999149)
[87] (2999149)
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[54] **WEAR MEMBER FOR EARTH WORKING EQUIPMENT**
[54] **ELEMENT D'USURE POUR EQUIPEMENT DE DEBLAIEMENT DE TERRAIN**
[72] DARE, MICHAEL C., AU
[72] CLARKE, RODNEY K., AU
[72] QIAN, JUNBO, AU
[72] DUNFORD, MATTHEW J., AU
[72] MOORE, SEAN G., AU
[72] HODGES, GEOFFREY R., AU
[72] AMES, JARED R., US
[72] HANKLAND, JOEL S., US
[73] ESCO GROUP LLC, US
[85] 2018-03-28
[86] 2016-09-29 (PCT/US2016/054333)
[87] (WO2017/059009)
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[25] EN
[54] **SYSTEMS AND METHODS FOR MEDICINAL CANNABIS HARVESTING**
[54] **SYSTEMES ET PROCEDES DE RECOLTE DE CANNABIS MEDICINAL**
[72] DESMARAIS, KERRY, US
[72] CARPENTER, THOMAS, US
[72] CARPENTER, CRAIG A., US
[72] BEECHINOR, MATTHEW RYAN, US
[72] FRAZER, THOMAS, US
[72] BELCOURT, BILL, US
[72] BOUCHIER, EVAN, US
[73] DESMARAIS, KERRY, US
[73] CARPENTER, THOMAS, US
[73] CARPENTER, CRAIG A., US
[73] BEECHINOR, MATTHEW RYAN, US
[73] FRAZER, THOMAS, US
[73] BELCOURT, BILL, US
[73] BOUCHIER, EVAN, US
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[25] EN
[54] **TELESCOPING VEHICLE SAFETY GUARD**
[54] **DISPOSITIF DE PROTECTION TELESCOPIQUE DE VEHICULE**
[72] BARRON, MARK B., US
[73] PUBLIC TRANSPORTATION SAFETY INT'L CORP., US
[85] 2018-04-12
[86] 2016-10-06 (PCT/US2016/055767)
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[25] EN
[54] **SINGLE-USE BEVERAGE BARREL MADE OF STAINLESS STEEL**
[54] **BOITE DE BOISSON, JETABLE ET EN ACIER SPECIAL**
[72] GRAF, GERD-ALBRECHT, DE
[73] COOL-SYSTEM KEG GMBH, DE
[85] 2018-04-25
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[25] EN
[54] **RUNNING TOOL LOCKING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE VERROUILLAGE D'OUTIL DE POSE**
[72] TRAVIS, TODD ANTHONY, CA
[72] YAO, CHI, CA
[72] CALZONCINTH, ERIC, CA
[72] LANG, HEINRICH, US
[73] STREAM-FLO INDUSTRIES LTD., CA
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[54] **ELECTRONIC CONTROL OF A TRANSMISSION**
[54] **CONTROLE ELECTRONIQUE D'UNE TRANSMISSION**
[72] MCGUIRE, MATTHEW P., US
[72] SYTSMA, COLE A., US
[72] KROSSCHELL, BRIAN D., US
[73] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **PROCESS FOR MANUFACTURING A NON-OPAQUE LAYER FOR A MULTILAYER STRUCTURE COMPRISING A WINDOW, AND A MULTILAYER WITH SUCH A NON-OPAQUE LAYER.**
[54] **PROCEDE POUR FABRIQUER UNE COUCHE NON OPAQUE POUR UNE STRUCTURE MULTICOUCHE COMPRENANT UNE FENETRE, ET COUCHE MULTIPLE AVEC UNE TELLE COUCHE NON OPAQUE.**
[72] KHAIRALLAH, JESSY, TH
[72] SAEINGTHONG, KREANGSAK, TH
[72] VERMEULIN, ALICE, FR
[72] ROUCH-PAULIN, ANTHONY, FR
[73] LINXENS HOLDING, FR
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[54] **POLYMER COMPOSITIONS AND HOT-MELT ADHESIVES FORMED THEREFROM**
[54] **COMPOSITIONS POLYMERES ET ADHESIFS THERMOFUSIBLES FORMES A PARTIR DE CELLE-CI**
[72] HAYES, PATRICK, US
[72] CARRAWAY, DANIEL, US
[72] WANN, STEVEN, US
[72] ARNOLD, RACHELLE, US
[72] GRUBBS, JOSEPH, US
[73] HENKEL IP & HOLDING GMBH, DE
[73] DANIMER BIOPLASTICS, INC., US
[85] 2018-05-17
[86] 2016-11-16 (PCT/US2016/062192)
[87] (WO2017/087465)
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[25] EN
[54] **A SYSTEM AND AN APPARATUS FOR CONTROLLING ELECTRIC POWER SUPPLY AND METHODS THEREFOR**
[54] **SYSTEME ET APPAREIL POUR COMMANDER L'ALIMENTATION EN ELECTRICITE ET PROCEDES ASSOCIES**
[72] EMBY, BERNARD CHRISTOPHER, MY
[73] TRICKLESTAR LIMITED, CN
[73] EMBY, CHRISTOPHER BERNARD, MY
[85] 2018-05-23
[86] 2016-11-22 (PCT/IB2016/057020)
[87] (WO2017/089949)
[30] US (62/258,796) 2015-11-23
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[25] EN
[54] **SYSTEMS AND METHODS FOR ATTACHMENT OF VEHICLE ACCESSORIES**
[54] **SYSTEMES ET PROCEDES DE FIXATION D'ACCESSOIRES POUR VEHICULE**
[72] CHENEVERT, FRANCOIS, CA
[72] LABBE, CHRISTIAN, CA
[72] MERCIER, MATHIEU, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (3006919)
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[25] EN
[54] **HETEROCYCLE-SUBSTITUTED BICYCLIC AZOLE PESTICIDES**
[54] **PESTICIDES DE TYPE AZOLE BICYCLIQUE A SUBSTITUTION HETEROCYCLIQUE**
[72] ZHANG, WENMING, US
[72] ROSSI, MICHAEL ALAN, US
[73] FMC CORPORATION, US
[85] 2018-06-11
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[54] **METHOD FOR CULTURING AND PRESERVING EUBACTERIUM HALLII**
[54] **PROCEDE DE CULTURE ET CONSERVATION D'EUBACTERIUM HALLII**
[72] DE VOS, WILLEM MEINDERT, NL
[72] SEEGERS, JOZEF FRANCISCUS MARIA LOUIS, NL
[73] CAELUS PHARMACEUTICALS B.V., NL
[85] 2018-06-11
[86] 2017-01-02 (PCT/NL2017/050001)
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[54] **DEODORANT PRODUCTION METHOD AND DEODORANT**
[54] **PROCEDE DE PRODUCTION DE DEODORANT ET DEODORANT**
[72] ISHII, YOICHI, JP
[72] OKAMOTO, TAKESHI, JP
[72] ISHII, SAYAKA, JP
[73] WELL STONE CO., JP
[85] 2018-06-20
[86] 2016-12-16 (PCT/JP2016/087679)
[87] (WO2017/134948)
[30] JP (2016-018046) 2016-02-02

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[51] **Int.Cl. D06P 3/54 (2006.01) D06P 1/653 (2006.01) D06P 5/04 (2006.01)**
[25] EN
[54] **METHOD OF DYE CLEARING TEXTILES**
[54] **PROCEDE D'ENLEVEMENT DE TEINTURE DE TEXTILES**
[72] ELLIS, DAVID JOHN, GB
[72] BROWN, NICHOLAS, GB
[73] NIKWAX LIMITED, GB
[85] 2018-07-04
[86] 2017-01-04 (PCT/EP2017/050163)
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[25] EN
[54] **NASAL TREATMENT DELIVERY DEVICE WITH CARBON DIOXIDE AND SALINE, AND METHODS, INCLUDING LOW FLOW RATES**
[54] **DISPOSITIF D'ADMINISTRATION DE TRAITEMENT NASAL COMPRENANT DU DIOXYDE DE CARBONE ET UNE SOLUTION SALINE, ET METHODES, COMPRENANT DE FAIBLES DEBITS**
[72] GLYNN, KENNETH P., US
[73] CLOVER HILL HEALTHCARE, INC., US
[85] 2018-08-06
[86] 2017-01-31 (PCT/US2017/000009)
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[30] US (14/998,704) 2016-02-05
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[25] EN
[54] **RESTIMULATION PROCESS USING COILED TUBING AND FIBER OPTICS**
[54] **PROCEDE DE RESTIMULATION UTILISANT UN TUBE ENROULE ET DES FIBRES OPTIQUES**
[72] RUHLE, WILLIAM OWEN ALEXANDER, US
[72] GULLICKSON, GEOFFREY, US
[72] SAHDEV, NEHA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. G01N 27/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING AN ANALYTE IN A SAMPLE**
[54] **SYSTEME ET METHODE DE MESURE DE SUBSTANCE A ANALYSER DANS UN ECHANTILLON**
[72] CHATELIER, RONALD C., AU
[72] HODGES, ALASTAIR MCINDOE, AU
[72] NANDAGOPALAN, SANTHANAGOPALAN, US
[73] LIFESCAN, INC., US
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06F 9/44 (2018.01)**
[25] EN
[54] **CONCATENATED SHIPPING DOCUMENTATION PROCESSING SPAWNING INTELLIGENT GENERATION SUBPROCESSES**
[54] **TRAITEMENT DE DOCUMENTATION D'EXPEDITION CONCATENEE PRODUISANT DYNAMIQUEMENT DES SOUS-PROCESSUS DE GENERATION INTELLIGENTS**
[72] WIER, BYRON J., US
[73] AUCTANE, LLC., US
[85] 2018-09-05
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[30] US (15/064,218) 2016-03-08

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[51] **Int.Cl. B29C 70/32 (2006.01) B29D 23/00 (2006.01)**
[25] EN
[54] **PIPE FORMING METHOD**
[54] **PROCEDE DE FORMATION DE TUYAU**
[72] ROBERTS, RICHARD DAMON GOODMAN, GB
[72] JONES, MARTIN PETER WILLIAM, GB
[72] RUMSEY, LUKE, GB
[72] BRICKWOOD, JOHN, GB
[72] EDWARD, GILES, GB
[72] BUJDOSO, MILAN, GB
[73] M-FLOW TECHNOLOGIES LIMITED, GB
[85] 2018-10-23
[86] 2016-04-28 (PCT/GB2016/051204)
[87] (WO2016/174436)
[30] GB (1507402.4) 2015-04-30

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[51] **Int.Cl. F16L 23/024 (2006.01) F16L 23/22 (2006.01) F16L 39/00 (2006.01)**
[25] EN
[54] **COMPOSITE FLUID CONDUIT ASSEMBLY**
[54] **ENSEMBLE DE CONDUITE DE FLUIDE COMPOSITE**
[72] ROBERTS, RICHARD DAMON GOODMAN, GB
[72] JONES, MARTIN PETER WILLIAM, GB
[72] RUMSEY, LUKE, GB
[72] BRICKWOOD, JOHN, GB
[72] EDWARD, GILES, GB
[73] M-FLOW TECHNOLOGIES LIMITED, GB
[85] 2018-10-23
[86] 2016-04-28 (PCT/GB2016/051206)
[87] (WO2016/174437)
[30] GB (1507401.6) 2015-04-30

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[51] **Int.Cl. B65F 1/14 (2006.01) B65D 43/26 (2006.01) B65F 1/16 (2006.01) E05B 15/00 (2006.01)**
[25] EN
[54] **AUTOMATIC LOCKING TRASHCAN SYSTEM AND METHOD**
[54] **SYSTEME DE POUBELLE A VERROUILLAGE AUTOMATIQUE ET METHODE**
[72] MOFFATT, MATTHEW, CA
[73] MOFFATT, MATTHEW, CA
[86] (3023327)
[87] (3023327)
[22] 2018-11-07

[11] **3,024,602**
[13] C
[51] **Int.Cl. G08G 1/08 (2006.01) H04W 84/18 (2009.01)**
[25] EN
[54] **CONTROL AND MANAGE TRAFFIC LIGHT SYSTEM WITH VANET**
[54] **COMMANDE ET GESTION D`UN SYSTEME DE FEUX DE CIRCULATION AVEC DES VANETS**
[72] VAUDRIN, FRANCOIS, CA
[72] CAPUS, LAURENCE, CA
[73] VAUDRIN, FRANCOIS, CA
[86] (3024602)
[87] (3024602)
[22] 2018-11-19

[11] **3,027,090**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 30/00 (2020.01) G06F 3/04817 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HOLISTIC APPROACH TO CITY PLANNING**
[54] **SYSTEME ET PROCEDE D`UNE APPROCHE HOLISTIQUE A L`EGARD DE LA PLANIFICATION URBAINE**
[72] ARSENAULT, JAKE, CA
[72] SHEPPARD, DANE, CA
[73] ARSENAULT, JAKE, CA
[73] SHEPPARD, DANE, CA
[86] (3027090)
[87] (3027090)
[22] 2018-12-12

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[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/80 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **LIQUID GAS TREATMENT FLUIDS FOR USE IN SUBTERRANEAN FORMATION OPERATIONS**
[54] **FLUIDES DE TRAITEMENT A GAZ LIQUIDE A UTILISER DANS DES OPERATIONS DE FORMATION SOUTERRAINE**
[72] NGUYEN, PHILIP D., US
[72] LAHMAN, MATTHEW LEWIS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-12-11
[86] 2016-07-22 (PCT/US2016/043477)
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[51] **Int.Cl. C02F 1/32 (2006.01)**
[25] EN
[54] **QUARTZ SLEEVE SUPPORT FOR AN UV-LAMP**
[54] **SUPPORT DE MANCHON A QUARTZ POUR LAMPE UV**
[72] KRUGER, FRIEDHELM, DE
[73] XYLEM IP MANAGEMENT S.A R.L., LU
[85] 2018-12-20
[86] 2017-06-27 (PCT/EP2017/065865)
[87] (WO2018/002056)
[30] EP (16176426.1) 2016-06-27

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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 1/00 (2006.01) A61M 25/04 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **URETERAL AND BLADDER CATHETERS AND METHODS FOR INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERFUSION**
[54] **SONDES URETERALES ET VESICALES, ET PROCEDES D'INDUCTION D'UNE PRESSION NEGATIVE POUR AUGMENTER LA PERFUSION RENALE**
[72] ERBEY, JOHN R., II, US
[72] UPPERCO, JACOB L., US
[72] FISHER, MICHAEL ALLEN, US
[72] STRANE, PATRICK WILLIAM, US
[72] BLACK, LANCE MICHAEL, US
[73] ROIVIOS LIMITED, BS
[86] (3032266)
[87] (3032266)
[22] 2016-07-20
[62] 2,992,322
[30] US (62/194,585) 2015-07-20
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[30] US (62/278,721) 2016-01-14
[30] US (62/300,025) 2016-02-25

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[51] **Int.Cl. G06Q 10/02 (2012.01) H01H 51/00 (2006.01) G01K 1/024 (2021.01) H01F 7/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FACILITATING SHARED USE OF A SHARED USE FACILITY**
[54] **PROCEDE ET SYSTEME POUR FACILITER L'UTILISATION PARTAGEE D'UNE INSTALLATION D'UTILISATION PARTAGEE**
[72] MUND, SARB, CA
[73] COMMISSARY CONNECT INNOVATIONS INC., CA
[85] 2019-01-29
[86] 2017-12-20 (PCT/CA2017/051565)
[87] (WO2018/119515)
[30] US (62/440,169) 2016-12-29

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[51] **Int.Cl. A61C 7/20 (2006.01) A61C 7/24 (2006.01) A61C 7/26 (2006.01)**
[25] EN
[54] **ORTHODONTIC APPLIANCE**
[54] **APPAREIL ORTHODONTIQUE**
[72] OLIVER, BRUCE MALCOM, CA
[73] ALLIANCE EVANGELIQUE REFORMEE - INSTITUT FAREL, FACULTE DE THEOLOGIE REFORMEE DE QUEBEC, CA
[85] 2019-02-04
[86] 2017-08-30 (PCT/CA2017/051018)
[87] (WO2018/039790)
[30] US (62/381,364) 2016-08-30

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[25] EN
[54] **PROTECTION APPARATUS**
[54] **APPAREIL DE PROTECTION**
[72] HA, HENGXU, GB
[72] YANG, LIAN, GB
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2019-02-14
[86] 2017-08-10 (PCT/EP2017/070328)
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[51] **Int.Cl. G05D 1/02 (2020.01) H05B 47/155 (2020.01) A47L 11/24 (2006.01) A47L 11/40 (2006.01) B25J 9/00 (2006.01) B25J 13/08 (2006.01)**
[25] EN
[54] **LIGHT INDICATOR SYSTEM FOR AN AUTONOMOUS MOBILE ROBOT**
[54] **SYSTEME D'INDICATEUR LUMINEUX POUR ROBOT MOBILE AUTONOME**
[72] WHITE, CORY, US
[72] SCHRIESHEIM, BENJAMIN H., US
[72] LEWIS, OLIVER, US
[72] HICKEY, STEPHEN A., US
[72] JANG, STUART R., US
[72] DOOLEY, MICHAEL J., US
[73] IROBOT CORPORATION, US
[85] 2019-02-15
[86] 2016-10-28 (PCT/US2016/059513)
[87] (WO2018/034686)
[30] US (15/238,633) 2016-08-16

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[25] EN
[54] **COMBINATION OF PACLITAXELAND 1-(2-DEOXY-2-FLUORO-4-THIO-BETA-D-ARABINOFURANOSYL)-CYTOSINE AS ANTI-TUMOR AGENT**
[54] **COMBINAISON D'ACLITAXELAND 1-(2-DEOXY-2-FLUORO-4-THIO-BETA-D-ARABINOFURANOSYLE)-CYTOSINE COMME AGENT ANTITUMORAL**
[72] IWAKI, YOSHIHIDE, JP
[72] KITAHASHI, TSUKASA, JP
[72] MIMA, SHINJI, JP
[73] FUJIFILM CORPORATION, JP
[85] 2019-02-27
[86] 2017-08-30 (PCT/JP2017/031074)
[87] (WO2018/043530)
[30] JP (2016-169167) 2016-08-31

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[51] **Int.Cl. G01N 15/08 (2006.01) G01V 11/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR ESTIMATING PERMEABILITY USING PREVIOUSLY STORED DATA, DATA ANALYTICS AND IMAGING**
[54] **SYSTEME ET PROCEDE POUR ESTIMER LA PERMEABILITE A L`AIDE DES DONNEES STOCKEES ANTERIEUREMENT, DE L`ANALYSE DES DONNEES ET DE L`IMAGERIE**
[72] JAMES, BRUCE, CA
[72] KAVIANI, DANIAL, CA
[72] ZAMANI, AMIR, CA
[72] HAMDI, HAMIDREZA, CA
[73] SUNCOR ENERGY INC., CA
[86] (3035734)
[87] (3035734)
[22] 2019-03-05

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[11] **3,036,759**
[13] C
[51] **Int.Cl. H03M 13/09 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING DATA USING A POLAR CODE**
[54] **PROCEDE ET APPAREIL DE CODAGE DE DONNEES A L'AIDE D'UN CODE POLAIRE**
[72] ZHANG, HUAZI, CN
[72] TONG, JIAJIE, CN
[72] LI, RONG, CN
[72] WANG, JUN, CN
[72] TONG, WEN, CA
[72] GE, YIQUN, CA
[72] LIU, XIAOCHENG, CN
[72] ZHANG, GONGZHENG, CN
[72] WANG, JIAN, CA
[72] CHENG, NAN, CA
[72] ZHANG, QIFAN, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-03-13
[86] 2017-09-13 (PCT/CN2017/101531)
[87] (WO2018/050063)
[30] US (62/395,312) 2016-09-15
[30] US (62/396,618) 2016-09-19
[30] US (62/402,862) 2016-09-30
[30] US (62/432,448) 2016-12-09
[30] US (62/432,416) 2016-12-09
[30] US (62/433,127) 2016-12-12
[30] US (15/699,976) 2017-09-08

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[13] C
[51] **Int.Cl. H02G 15/184 (2006.01)**
[25] EN
[54] **JOINT FOR HIGH VOLTAGE DIRECT CURRENT CABLES**
[54] **JONCTION POUR CABLES A COURANT CONTINU A HAUTE TENSION**
[72] BOFFI, PAOLO, IT
[73] PRYSMIAN S.P.A., IT
[85] 2019-03-19
[86] 2016-09-19 (PCT/IB2016/055578)
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[13] C
[51] **Int.Cl. A61F 5/443 (2006.01) A61F 5/448 (2006.01)**
[25] EN
[54] **ADJUSTABLE CONVEXITY OSTOMY BARRIER**
[54] **BARRIERE DE STOMIE A CONVEXITE REGLABLE**
[72] CZAPLEWSKI, GREGORY J., US
[72] NIELSEN, KENNETH, US
[72] GRUM-SCHWENSEN, CHRISTEN, US
[72] PARK, RYAN S., US
[72] TRAN, TUAN, US
[72] LEADINGHAM, BRIAN T., US
[72] TETZLAFF, PATRICK C., US
[73] HOLLISTER INCORPORATED, US
[85] 2019-03-19
[86] 2017-10-03 (PCT/US2017/054903)
[87] (WO2018/067539)
[30] US (62/403,449) 2016-10-03

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[13] C
[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/06 (2012.01) G06Q 20/38 (2012.01) G06Q 40/02 (2012.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **METHOD FOR ISSUING CURRENCY AND MAKING PAYMENT USING UTXO-BASED PROTOCOL AND SEVER USING SAME**
[54] **PROCEDE D'EMISSION DE MONNAIE ET D'EXECUTION DE PAIEMENT AU MOYEN D'UN PROTOCOLE ORIENTE UTXO ET SERVEUR L'UTILISANT**
[72] SONG, JOO HAN, KR
[72] HONG, JAY WU, KR
[72] UHR, JOON SUN, KR
[73] COINPLUG, INC., KR
[85] 2019-04-09
[86] 2017-10-26 (PCT/KR2017/011937)
[87] (WO2018/080205)
[30] KR (10-2016-0140163) 2016-10-26

[11] **3,040,172**
[13] C
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 33/13 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **SINGLE-TRIP WELLBORE LINER DRILLING SYSTEM**
[54] **SYSTEME DE FORAGE A COLONNE PERDUE DE PUITS DE FORAGE EN UNE SEULE MANOEUVRE**
[72] SOLBAKK, TOMMY HARALD NYHEIM, NO
[72] RORVIK, HELGE, NO
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-04-10
[86] 2017-11-29 (PCT/US2017/063790)
[87] (WO2018/102459)
[30] US (62/428,683) 2016-12-01

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[13] C
[51] **Int.Cl. A61F 2/72 (2006.01) A61F 2/91 (2013.01) A61F 2/92 (2013.01) A61N 1/05 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE FOR SENSING AND OR STIMULATING TISSUE**
[54] **DISPOSITIF MEDICAL POUR DETECTION ET/OU STIMULATION DE TISSU**
[72] OXLEY, THOMAS J., US
[72] OPIE, NICHOLAS L., AU
[72] RIND, GIL S., AU
[72] RONAYNE, STEPHEN, AU
[72] JOHN, SAM E., AU
[72] MAY, CLIVE N., AU
[72] GRAYDEN, DAVID, AU
[73] THE UNIVERSITY OF MELBOURNE, AU
[85] 2019-04-17
[86] 2016-10-19 (PCT/US2016/057768)
[87] (WO2017/070252)
[30] AU (2015904302) 2015-10-20
[30] AU (2015905045) 2015-12-04
[30] US (62/379,625) 2016-08-25

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[13] C
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **USER-ACTUATED STORAGE ASSEMBLY FOR INJECTION DEVICE**
[54] **ENSEMBLE DE STOCKAGE ACTIONNE PAR L'UTILISATEUR POUR DISPOSITIF D'INJECTION**
[72] SEARLE, GARY, US
[72] HWANG, CHARLES, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (3042910)
[87] (3042910)
[22] 2011-08-10
[62] 2,748,890
[30] US (61/344,542) 2010-08-16
[30] US (13/205,452) 2011-08-08

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[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/062 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **SUTURE MATERIAL HANDLING DEVICE AND SYSTEM FOR PRODUCING A SUTURE KNOT**
[54] **DISPOSITIF DE MANIPULATION DE MATERIEL DE SUTURE AINSI QUE SYSTEME POUR LA REALISATION D'UN NOEUD DE SUTURE**
[72] EID, KARIM, CH
[72] EBNER, BENJAMIN, DE
[72] MARTINOLI, ENEA, CH
[72] ZUDDAS, ANTONELLO, CH
[72] HOFSTETTER, STEFAN, CH
[72] BASTAS, UGUR, CH
[73] INTRASOFT AG, CH
[85] 2019-05-13
[86] 2017-10-24 (PCT/EP2017/077194)
[87] (WO2018/086879)
[30] EP (16198466.1) 2016-11-11

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[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **WELL TOOL HAVING A REMOVABLE COLLAR FOR ALLOWING PRODUCTION FLUID FLOW**
[54] **OUTIL DE PUITS AYANT UN COLLIER AMOVIBLE POUR PERMETTRE UN ECOULEMENT DE FLUIDE DE PRODUCTION**
[72] KUO, NICHOLAS, US
[72] ROSEMAN, MATTHEW BRIAN, US
[72] HOLDERMAN, LUKE, US
[72] GIUSTI, FRANK, JR., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-05-13
[86] 2017-11-17 (PCT/US2017/062176)
[87] (WO2018/118291)
[30] US (62/438,670) 2016-12-23

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[13] C
[51] **Int.Cl. B60R 1/28 (2022.01) B60W 60/00 (2020.01) G06T 15/20 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ADJUSTING A VIRTUAL CAMERA'S ORIENTATION WHEN A VEHICLE IS MAKING A TURN**
[54] **PROCEDE ET SYSTEME POUR AJUSTER L'ORIENTATION D'UNE CAMERA VIRTUELLE LORSQU'UN VEHICULE EFFECTUE UN VIRAGE**
[72] PATEL, NIRMAL, US
[73] WAYMO LLC, US
[85] 2019-05-29
[86] 2017-11-17 (PCT/US2017/062295)
[87] (WO2018/102161)
[30] US (15/364,914) 2016-11-30

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[13] C
[51] **Int.Cl. H04L 1/00 (2006.01) H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **CONTROL CHANNEL CODE RATE SELECTION**
[54] **SELECTION DE DEBIT DE CODE DE CANAL DE COMMANDE**
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] LUO, TAO, US
[72] AKKARAKARAN, SONY, US
[72] NAM, WOOSEOK, US
[72] NAGARAJA, SUMEETH, US
[72] YANG, YANG, US
[73] QUALCOMM INCORPORATED, US
[85] 2019-06-12
[86] 2017-12-13 (PCT/US2017/066129)
[87] (WO2018/132210)
[30] US (62/445,214) 2017-01-11
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[51] **Int.Cl. G06T 19/00 (2011.01) G02B 27/01 (2006.01) G09G 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DYNAMIC GEOFENCE SEARCHING OF AN INCIDENT SCENE**
[54] **PROCEDE ET APPAREIL DE RECHERCHE DE GEOREPERAGE DYNAMIQUE D'UNE SCENE D'INCIDENT**
[72] LIM, BING QIN, MY
[72] HAMBALY, ALFY MERICAN AHMAD, MY
[72] HUA, SHIJIE, MY
[72] KEE, CHEW YEE, MY
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-06-21
[86] 2017-12-13 (PCT/US2017/066070)
[87] (WO2018/118572)
[30] US (15/390,470) 2016-12-24

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[51] **Int.Cl. A01G 7/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING A PLANT STATUS**
[54] **SYSTEME ET PROCEDE POUR DETERMINER L'ETAT D'UNE PLANTE**
[72] REUSCH, STEFAN, DE
[72] WUNTKE, LARS, DE
[72] STEPHAN, DANIEL, DE
[72] MATTOLAT, CHRISTOPH, DE
[73] YARA INTERNATIONAL ASA, NO
[85] 2019-06-25
[86] 2017-12-27 (PCT/EP2017/084607)
[87] (WO2018/122236)
[30] EP (16206925.6) 2016-12-27

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[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/31 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **SLIDE IDENTIFICATION SENSOR**
[54] **CAPTEUR D`IDENTIFICATION DE LAMES**
[72] VON BUEREN, ERICO, US
[72] VON BUEREN, NICCOLO, US
[72] BUI, XUAN S., US
[73] SAKURA FINETEK U.S.A., INC., US
[86] (3049232)
[87] (3049232)
[22] 2019-07-11
[30] US (16/370879) 2019-03-29

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[51] **Int.Cl. B65D 85/816 (2006.01) A23F 3/00 (2006.01) A23F 5/00 (2006.01) A23L 2/00 (2006.01) A47J 31/06 (2006.01) A47J 31/46 (2006.01) B65B 29/00 (2006.01) B65B 29/06 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND CAPSULE FOR PREPARING A BEVERAGE**
[54] **SYSTEME, PROCEDE ET CAPSULE POUR LA PREPARATION D'UNE BOISSON**
[72] BIESHEUVEL, AREND CORNELIS JACOBUS, NL
[72] KAMERBEEK, RALF, NL
[72] WONG, KON EUAN GERARD, AU
[72] BRANDT, GUIDO, AU
[72] KOELING, HENDRIK CORNELIS, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[86] (3051559)
[87] (3051559)
[22] 2008-08-08
[62] 2,913,042

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[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/65 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LOW MOLECULAR WEIGHT DRUG CONJUGATES FOR BINDING TO CARBONIC ANHYDRASE IX**
[54] **CONJUGUES DE MEDICAMENT A FAIBLE POIDS MOLECULAIRE SERVANT A LA LIAISON A L'ANHYDRASE IX CARBONIQUE**
[72] KRALL, NIKOLAUS, AT
[72] DECURTINS, WILLY, CH
[72] NERI, DARIO, CH
[72] SCHEUERMANN, JORG, CH
[72] WICHERT, MORENO, CH
[73] EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZURICH, CH
[86] (3051737)
[87] (3051737)
[22] 2015-02-03
[62] 3,008,111
[30] GB (1401819.6) 2014-02-03
[30] GB (1407530.3) 2014-04-29
[30] GB (1419994.7) 2014-11-10

[11] **3,053,471**
[13] C
[51] **Int.Cl. A61B 1/07 (2006.01) H04N 5/369 (2011.01) H04W 4/38 (2018.01) A61B 1/00 (2006.01) A61B 1/045 (2006.01) A61B 1/06 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **WIRELESS MEDICAL IMAGING SYSTEM COMPRISING A HEAD UNIT AND A LIGHT CABLE THAT COMPRISES AN INTEGRATED LIGHT SOURCE**
[54] **SYSTEME D'IMAGERIE MEDICALE SANS FIL COMPRENANT UNE UNITE DE TETE ET UN CABLE DE LUMIERE QUI COMPREND UNE SOURCE DE LUMIERE INTEGREE**
[72] MALINSKIY, EUGENE, US
[72] MALINSKIY, ILYA, US
[72] DUDLEY, DANIEL, US
[72] FEIN, HOWARD, US
[72] ROSKOPH, BRAD, US
[73] LAZURITE HOLDINGS LLC, US
[85] 2019-08-13
[86] 2018-02-14 (PCT/US2018/018172)
[87] (WO2018/152196)
[30] US (62/459,306) 2017-02-15

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[51] **Int.Cl. E04H 15/22 (2006.01)**
[25] EN
[54] **BUILDING AND METHOD FOR PRODUCING A CLEAN AREA**
[54] **SALLE GONFLABLE PNEUMATIQUEMENT COMPRENANT UN SAS**
[72] HUTZENLAUB, JENS, DE
[73] MECORA MEDIZINTECHNIK GMBH, DE
[85] 2019-08-21
[86] 2018-02-19 (PCT/EP2018/053974)
[87] (WO2018/153797)
[30] DE (10 2017 103 468.4) 2017-02-21

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[51] **Int.Cl. A01K 63/00 (2017.01)**
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[54] **ORNAMENT ASSEMBLY**
[54] **ENSEMBLE ORNEMENTAL**
[72] COHEN, ALAN J., US
[73] COHEN, ALAN J., US
[85] 2019-08-30
[86] 2018-02-28 (PCT/US2018/020122)
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[30] US (62/465,346) 2017-03-01
[30] US (15/638,082) 2017-06-29
[30] US (15/694,035) 2017-09-01
[30] US (15/699,734) 2017-09-08

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[13] C
[51] **Int.Cl. E21B 29/00 (2006.01) B24C 5/02 (2006.01)**
[25] EN
[54] **A TOOL FOR SEVERING OR ASSISTING IN THE SEVERING OF A CONDUIT**
[54] **OUTIL SERVANT A SEPARER OU A FACILITER LA SEPARATION D'UN CONDUIT**
[72] OAG, JAMIE, GB
[72] YOUNGER, RAE, GB
[73] SPEX ENGINEERING (UK) LIMITED, GB
[86] (3056241)
[87] (3056241)
[22] 2016-03-03
[62] 2,978,388
[30] GB (1503608.0) 2015-03-03

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[51] **Int.Cl. E05B 47/00 (2006.01) H04W 64/00 (2009.01) H04W 4/021 (2018.01) H04W 4/30 (2018.01) H04W 4/80 (2018.01) H04W 12/033 (2021.01)**
[25] EN
[54] **AUTOMATED DELIVERY SECURITY SYSTEM**
[54] **SYSTEME AUTOMATISE DE SECURITE DE LIVRAISON**
[72] BIGERT, JOHNNY, SE
[72] PESIRIDIS, KONSTANTINOS IOANNIS SOTIROPOULOS, SE
[72] HULT, MAGNUS OLOF LORENTZ, SE
[72] BATTERS, RICHARD JOHN, SE
[72] KAFOUROS, STAVROS, SE
[72] BLACKWELL, TIMOTHY CHARLES, SE
[73] GLUE AB, SE
[85] 2019-09-18
[86] 2018-03-22 (PCT/EP2018/000107)
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[30] GB (1704629.3) 2017-03-23

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[51] **Int.Cl. H04B 7/0456 (2017.01) H04W 72/04 (2009.01) H04B 7/0404 (2017.01) H04B 1/76 (2006.01)**
[25] EN
[54] **UPLINK SOUNDING REFERENCE SIGNALS CONFIGURATION AND TRANSMISSION**
[54] **CONFIGURATION ET TRANSMISSION DE SIGNAUX DE REFERENCE DE SONDAGE DE LIAISON MONTANTE**
[72] KOO, CHANGSOO, US
[72] WANG, PETER S., US
[72] BELURI, MIHAELA C., US
[72] DICK, STEPHEN G., US
[72] HAIM, JOHN W., US
[72] SHIN, SUNG-HYUK, US
[72] STERN-BERKOWITZ, JANET A., US
[73] INTERDIGITAL PATENT HOLDINGS, INC., US
[86] (3057343)
[87] (3057343)
[22] 2011-04-01
[62] 2,795,384
[30] US (61/320,576) 2010-04-02
[30] US (61/330,158) 2010-04-30
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[25] EN
[54] **MAIZE HYBRID X00P560**
[54] **MAIS HYBRIDE X00P560**
[72] SMALLEY, MATTHEW DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058315)
[87] (3058315)
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[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X85N946**
[54] **MAIS HYBRIDE X85N946**
[72] KING, STEVEN PAUL, US
[72] MONTPETIT, JEAN-MARC, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058328)
[87] (3058328)
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[51] **Int.Cl. H04L 1/22 (2006.01) H03M 13/11 (2006.01) H03M 13/27 (2006.01) H04L 27/38 (2006.01)**
[25] EN
[54] **TRANSMITTER AND METHOD FOR GENERATING ADDITIONAL PARITY THEREOF**
[54] **EMETTEUR ET PROCEDE POUR GENERER UNE PARITE ADDITIONNELLE POUR CELUI-CI**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (3058419)
[87] (3058419)
[22] 2016-02-25
[62] 2,977,043
[30] US (62/120,564) 2015-02-25
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[25] EN
[54] **MAIZE HYBRID X03M275**
[54] **MAIS HYBRIDE X03M275**
[72] CHANDLER, MICHAEL ADAM, US
[72] FISCHER, DAVID B., US
[72] GROTE, EDWIN MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058431)
[87] (3058431)
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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X08M656**
[54] **MAIS HYBRIDE X08M656**
[72] FISCHER, DAVID B., US
[72] JINES, MICHAEL PHILLIP, US
[72] STIRLING, LEAH VIESSELMANN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058439)
[87] (3058439)
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[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **METHODS FOR CONCURRENT ANALYSIS OF DNA AND RNA IN MIXED SAMPLES**
[54] **METHODES D'ANALYSE SIMULTANEE DE L'ADN ET DE L'ARN DANS DES ECHANTILLONSMELANGES**
[72] BLAUWKAMP, TIMOTHY A., US
[72] SIT, RENE, US
[72] VILFAN, IGOR D., US
[73] KARIUS, INC., US
[85] 2019-10-07
[86] 2018-04-12 (PCT/US2018/027393)
[87] (WO2018/191563)
[30] US (62/484,856) 2017-04-12

[11] **3,059,501**
[13] C
[51] **Int.Cl. H04W 36/14 (2009.01) H04W 36/24 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM TO PROVIDE MISSION CRITICAL TALKGROUP SERVICE WITH MINIMAL AUDIO TRUNCATION AND DELAY**
[54] **METHODE ET SYSTEME POUR FOURNIR UN SERVICE D`EMISSION-RECEPTION INDISPENSABLE AYANT LE MOINS DE TRONCATURES ET DE RETARDS AUDIO POSSIBLES**
[72] YANG, YUNHAI, US
[72] MCDONALD, DANIEL J., US
[73] MOTOROLA SOLUTIONS, INC., US
[86] (3059501)
[87] (3059501)
[22] 2019-10-21
[30] US (16/175,888) 2018-10-31

[11] **3,060,673**
[13] C
[51] **Int.Cl. C22C 19/03 (2006.01) C22F 1/10 (2006.01)**
[25] EN
[54] **NICKEL-COBALT MATERIAL AND METHOD OF FORMING**
[54] **MATERIAU DE COBALT DE NICKEL ET PROCEDE DE FORMATION**
[72] TAJIRI, GORDON, US
[72] PHELPS EMILY, MARIE, US
[72] GRAHAM BRUCE, PATRICK, US
[72] SCHMITT JOSEPH, RICHARD, US
[72] JONNALAGADDA DATTU, GV, US
[72] KRISHNAN, LAKSHMI, US
[73] UNISON INDUSTRIES, LLC, US
[86] (3060673)
[87] (3060673)
[22] 2019-10-29
[30] US (16/219,249) 2018-12-13

[11] **3,060,779**
[13] C
[51] **Int.Cl. F16L 35/00 (2006.01)**
[25] EN
[54] **A METHOD OF CONTROLLING HOSES AND PIPES THAT BECOME DISCONNECTED UNDER PRESSURE**
[54] **PROCEDE DE CONTROLE DES TUYAUX ET DES CONDUITES QUI SE DEBRANCHENT SOUS PRESSION**
[72] UHRYN, NIKKI L., CA
[73] MAXINUS INC., CA
[86] (3060779)
[87] (3060779)
[22] 2019-10-31

[11] **3,060,993**
[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) B25J 5/00 (2006.01) B25J 18/00 (2006.01)**
[25] EN
[54] **ROBOTIC ARM CART AND USES THEREFOR**
[54] **CHARIOT POUR BRAS ROBOTISE ET SES UTILISATIONS**
[72] TIMM, RICHARD WILLIAM, US
[72] CAGLE, DAVID JAMES, US
[72] LIM, SEUNG MO, US
[72] GEE, JACOB SPENCER, US
[72] VAKHARIA, OMAR J., US
[72] DENLINGER, CLINTON, US
[73] VERB SURGICAL INC., US
[73] CILAG GMBH INTERNATIONAL, CH
[85] 2019-10-18
[86] 2018-05-16 (PCT/US2018/033056)
[87] (WO2018/217518)
[30] US (62/509,611) 2017-05-22
[30] US (15/785,341) 2017-10-16

[11] **3,061,098**
[13] C
[51] **Int.Cl. B60K 11/04 (2006.01) B60K 11/08 (2006.01)**
[25] EN
[54] **THREE-WHEELED VEHICLE**
[54] **VEHICULE A TROIS ROUES**
[72] BATTAGLINI, GIANCARLO, US
[72] REMPELEWERT, BRET H., US
[72] MAZOUR, SCOTT T., US
[72] BIEGLER, KRISTOPHER K., US
[72] EVENSON, RICKIE A., US
[73] POLARIS INDUSTRIES INC., US
[86] (3061098)
[87] (3061098)
[22] 2019-11-07
[30] US (16/184301) 2018-11-08

[11] **3,061,723**
[13] C
[51] **Int.Cl. B64C 3/52 (2006.01) B64C 3/18 (2006.01) B64C 11/20 (2006.01) B64C 27/473 (2006.01)**
[25] EN
[54] **SHAPE MEMORY ALLOY ACTIVE SPARS FOR BLADE TWIST**
[54] **ONGERONS ACTIFS EN ALLIAGE A MEMOIRE DE FORME POUR VRILLAGE DE PALE**
[72] MADSEN, CASEY LYN, US
[72] CLINGMAN, DANIEL J., US
[72] BUSHNELL, GLENN S., US
[73] THE BOEING COMPANY, US
[86] (3061723)
[87] (3061723)
[22] 2013-02-14
[62] 2,806,095
[30] US (13/472,695) 2012-05-16

[11] **3,061,815**
[13] C
[51] **Int.Cl. E05B 9/08 (2006.01) E05B 9/04 (2006.01) E05B 27/00 (2006.01)**
[25] EN
[54] **INTERCHANGEABLE CYLINDER LOCK CORE FOR A CYLINDER LOCK UNIT**
[54] **PARTIE CENTRALE DE SERRURE A CYLINDRE INTERCHANGEABLE DESTINEE A UNE UNITE DE SERRURE A CYLINDRE**
[72] WIDEN, BO, SE
[73] WINLOC AG, CH
[85] 2019-10-29
[86] 2018-05-16 (PCT/EP2018/062713)
[87] (WO2018/224259)
[30] US (15/617,779) 2017-06-08

[11] **3,062,025**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED S00616BI**
[54] **CANOLA AUTOGAME S00616BI**
[72] HEATH, JULIAN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3062025)
[87] (3062025)
[22] 2019-11-19
[30] US (16/662,775) 2019-10-24

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED N00655**
[54] **CANOLA AUTOGAME N00655**
[72] FALAK, IGOR, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3062029)
[87] (3062029)
[22] 2019-11-19
[30] US (16/662,923) 2019-10-24

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[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/588 (2006.01) E21B 41/00 (2006.01) E21B 43/28 (2006.01)**
[25] EN
[54] **WELL TREATMENT COMPOSITIONS AND METHODS COMPRISING CERTAIN MICROEMULSIONS AND CERTAIN CLAY CONTROL ADDITIVES EXHIBITING SYNERGISTIC EFFECT OF ENHANCING CLAY SWELLING PROTECTION AND PERSISTENCY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE PUITS COMPRENANT CERTAINES MICRO-EMULSIONS ET CERTAINS ADDITIFS DE CONTROLE DE L'ARGILE PRESENTANT UN EFFET SYNERGIQUE D'AMELIORATION DE LA PROTECTION CONTRE LE GONFLEMENTDES ARGILES**
[72] TRABELSI, SIWAR, US
[73] FLOTEK CHEMISTRY, LLC, US
[86] (3062057)
[87] (3062057)
[22] 2019-11-20
[30] US (16/598,989) 2019-10-10

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[51] **Int.Cl. A23C 11/02 (2006.01) A23L 5/20 (2016.01) A23L 25/00 (2016.01) A47J 19/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND DEVICES AND METHODS OF MAKING AND USING THE SAME TO PREPARE NUT MILK PRODUCTS**
[54] **SYSTEMES ET DISPOSITIFS ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION POUR PREPARER DES PRODUITS A BASE DE LAIT DE FRUIT A COQUE**
[72] KAISER, ADAM, US
[73] ELEMENTAL DEVICE DESIGN, LLC, US
[85] 2019-11-07
[86] 2018-05-08 (PCT/US2018/031648)
[87] (WO2018/208816)
[30] US (62/503,176) 2017-05-08

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[13] C
[51] **Int.Cl. H04W 76/27 (2018.01)**
[25] EN
[54] **TRANSITION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSITION, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] LIU, JIANHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-14
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[13] C
[51] **Int.Cl. H04W 76/19 (2018.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF DE RESEAU, ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[72] YANG, NING, CN
[72] LIN, YANAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-14
[86] 2017-08-28 (PCT/CN2017/099343)
[87] (WO2019/041099)

[11] **3,064,285**
[13] C
[51] **Int.Cl. F16J 15/02 (2006.01) B60J 10/34 (2016.01) B32B 5/02 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **SUPPORTED ELASTOMERIC FOAMS AND PROCESSES FOR MAKING SAME**
[54] **MOUSSES ELASTOMERES SUPPORTEES ET LEURS PROCEDES DE PREPARATION**
[72] GARDNER, JOHN, US
[72] WIESEMANN, AMADEUS, DE
[73] W. L. GORE & ASSOCIATES, INC., US
[73] W. L. GORE & ASSOCIATES GMBH, DE
[85] 2019-11-19
[86] 2018-06-15 (PCT/US2018/037910)
[87] (WO2018/232347)
[30] US (62/520,421) 2017-06-15
[30] US (PCT/US2017/055111) 2017-10-04

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[13] C
[51] **Int.Cl. C22C 38/04 (2006.01) C21D 8/02 (2006.01) C22C 38/06 (2006.01)**
[25] EN
[54] **HOT DIPPED MEDIUM MANGANESE STEEL AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER AU MANGANESE MOYEN TREMPE A CHAUD ET SON PROCEDE DE FABRICATION**
[72] JIN, XINYAN, CN
[72] ZHANG, YULONG, CN
[72] HU, GUANGKUI, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2019-11-22
[86] 2018-04-20 (PCT/CN2018/083848)
[87] (WO2018/214682)
[30] CN (201710383392.8) 2017-05-26

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[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **UPLINK TRANSMISSION METHOD, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION EN LIAISON MONTANTE, ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-22
[86] 2017-08-02 (PCT/CN2017/095701)
[87] (WO2019/024022)

[11] **3,065,590**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) G03B 17/55 (2021.01)**
[25] EN
[54] **ELECTRONICS DEVICE THAT DISSIPATES INTERNAL DEVICE HEAT VIA HEAT SINK HAVING EXPOSED SURFACE**
[54] **DISPOSITIF ELECTRONIQUE QUI DISSIPE LA CHALEUR D'UN DISPOSITIF INTERNE PAR L'INTERMEDIAIRE D'UN DISSIPATEUR THERMIQUE AYANT UNE SURFACE EXPOSEE**
[72] HOLBROOK, THOMAS W., CA
[72] JANSSEN, COLIN PAUL, CA
[72] CHAN, WINSON, CA
[73] AVIGILON CORPORATION, CA
[85] 2019-11-29
[86] 2018-06-01 (PCT/CA2018/050660)
[87] (WO2018/223224)
[30] US (62/515,330) 2017-06-05

[11] **3,065,991**
[13] C
[51] **Int.Cl. H02K 9/19 (2006.01)**
[25] EN
[54] **ELECTRICAL MACHINE WITH COOLING CHANNEL**
[54] **MACHINE ELECTRIQUE DOTEE D`UN CANAL DE REFROIDISSEMENT**
[72] TSCHIDA, COLIN E., US
[72] ZHONG, SHENG, US
[72] TREMELLING, DARREN, US
[72] BEDNAROWSKI, DARIUSZ, PL
[73] ABB SCHWEIZ AG, CH
[86] (3065991)
[87] (3065991)
[22] 2019-12-23
[30] US (16/234,290) 2018-12-27

[11] **3,067,312**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NONINVASIVE ANALYSIS OF SUBCUTANEOUS TISSUE**
[54] **SYSTEME ET METHODE D'ANALYSE NON INVASIVE DE TISSU SOUS-CUTANE**
[72] COHEN, YANIV, IL
[72] KLEIN, RONNIE, IL
[72] ZILBERMAN, ARKADI, IL
[72] DEKEL, BEN ZION, IL
[72] BLAUNSTEIN, NATHAN, IL
[73] I.R MED LTD., IL
[85] 2019-12-13
[86] 2018-07-10 (PCT/IL2018/050748)
[87] (WO2018/235091)
[30] US (15/627,470) 2017-06-20

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[13] C
[51] **Int.Cl. B65D 5/00 (2006.01) B65D 5/18 (2006.01) B65D 5/44 (2006.01)**
[25] EN
[54] **CARTON WITH AT LEAST ONE HOLDER**
[54] **CARTON COMPRENANT AU MOINS UN SUPPORT**
[72] HAJEK, RONALD, E., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2019-12-16
[86] 2018-08-27 (PCT/US2018/048084)
[87] (WO2019/050705)
[30] US (62/554,760) 2017-09-06

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[13] C
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[25] EN
[54] **PROCESS AND APPARATUS FOR REMOVING POLYMER MATERIAL FROM A GAS-SOLIDS OLEFIN POLYMERIZATION REACTOR**
[54] **PROCEDE ET APPAREIL POUR ELIMINER UN MATERIAU POLYMERE D'UN REACTEUR DE POLYMERISATION D'OLEFINES GAZEUSES-SOLIDES**
[72] NYFORS, KLAUS, FI
[72] ELOVAINIO, ERNO, FI
[72] KANELLOPOULOS, VASILEIOS, AT
[72] WEICKERT, GUNTER, DE
[72] PRINSEN, ERIC-JAN, NL
[73] BOREALIS AG, AT
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[30] EP (17177643.8) 2017-06-23

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[25] EN
[54] **7-SUBSTITUTED PYRROLOTRIAZINE COMPOUNDS OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF, AND PREPARATION METHODS AND USES THEREOF**
[54] **COMPOSES DE TRIAZINE PYRROLE SUBSTITUES EN POSITION 7 OU SELS PHARMACEUTIQUEMENT ACCEPTABLES DE CEUX-CI, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] YANG, CHUNHAO, CN
[72] MENG, LINGHUA, CN
[72] XIANG, HAOYUE, CN
[72] LI, JING, CN
[72] WANG, XIANG, CN
[72] TAN, CUN, CN
[72] HE, QIAN, CN
[72] DING, JIAN, CN
[72] CHEN, YI, CN
[72] ZHANG, XI, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
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[51] **Int.Cl. C07C 273/16 (2006.01) C07C 273/02 (2006.01)**
[25] EN
[54] **IMPROVED UREA FINISHING PROCESSES COMPRISING HEATED AND/OR THERMALLY INSULATED CONDUITS FOR MINIMIZING CLOGGING OF OFF-GAS PIPES**
[54] **PROCEDES AMELIORES DE FINITION D'UREE COMPRENANT DES CONDUITS CHAUFFES ET/OU ISOLES THERMIQUEMENT POUR MINIMISER L'ENCRASSEMENT DANS LES TUYAUXDE DEGAGEMENT GAZEUX**
[72] COLOMA GONZALEZ, JUAN, NL
[72] MENNEN, JOHANNES HENRICUS, NL
[73] STAMICARBON B.V., NL
[85] 2020-01-14
[86] 2018-07-13 (PCT/NL2018/050484)
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[25] EN
[54] **FOOD AND BEVERAGE SWEETENERS**
[54] **EDULCORANT POUR DES ALIMENTS ET DES BREUVAGES**
[72] CAVALERI, FRANCO, CA
[73] CAVALERI, FRANCO, CA
[86] (3070149)
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[54] **GEOGRAPHIC POSITIONING USING SHORT-RANGE TRANSMISSIONS**
[54] **POSITIONNEMENT GEOGRAPHIQUE EN UTILISANT DES TRANSMISSIONS A COURTE PORTEE**
[72] CHU, ANSON, US
[72] ILES, BRANDON, US
[72] RAMASAMY, DINESH, US
[72] DABHOLKAR, JUTHIKA KIRAN, US
[72] MADHOW, UPAMANYU, US
[72] SALISBURY, WILLIAM J., US
[72] HAMBY, BRENT, US
[73] UBER TECHNOLOGIES, INC., US
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[25] EN
[54] **CRAFTING APPARATUS ASSEMBLIES, SYSTEMS, DEVICES, KITS, MECHANISMS AND METHODOLOGIES FOR UTILIZING THE SAME**
[54] **ENSEMBLES APPAREIL DE CREATION, SYSTEMES, DISPOSITIFS, KITS, MECANISMES ET METHODOLOGIES D'UTILISATION DE CEUX-CI**
[72] CRYSTAL, JEREMY BURTON, US
[72] SUTTON, DONALD, US
[72] WAIBEL, MATTHEW, US
[72] CURTIS, KOREY, US
[72] CAMPBELL, VANCE, US
[72] ELZEY, JAMES A., US
[72] BANDIS, STEVEN, US
[72] BEALL, MATTHEW, US
[72] GUBLER, JEFFERY V., US
[73] CRICUT, INC., US
[85] 2020-01-22
[86] 2018-07-30 (PCT/US2018/044371)
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[25] FR
[54] **PROCESS FOR MANUFACTURING STEEL SHEETS FOR PRESS HARDENING, AND PARTS OBTAINED BY MEANS OF THIS PROCESS**
[54] **PROCEDE DE FABRICATION DE TOLES D'ACIER POUR DURCISSEMENT SOUS PRESSE, ET PIECES OBTENUES PAR CE PROCEDE**
[72] COBO, SEBASTIAN, FR
[72] PUERTA VELASQUEZ, JUAN DAVID, FR
[72] BEAUVAIS, MARTIN, FR
[72] VINCI, CATHERINE, FR
[73] ARCELORMITTAL, LU
[86] (3071136)
[87] (3071136)
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[54] **PROCESS FOR MANUFACTURING STEEL SHEETS FOR PRESS HARDENING, AND PARTS OBTAINED BY MEANS OF THIS PROCESS**
[54] **PROCEDE DE FABRICATION DE TOLES D'ACIER POUR DURCISSEMENT SOUS PRESSE, ET PIECES OBTENUES PAR CE PROCEDE**
[72] COBO, SEBASTIAN, FR
[72] PUERTA VELASQUEZ, JUAN DAVID, FR
[72] BEAUVAIS, MARTIN, FR
[72] VINCI, CATHERINE, FR
[73] ARCELORMITTAL, LU
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[25] EN
[54] **PROTEIN EXTRACTION FROM SPENT GRAINS**
[54] **EXTRACTION DE PROTEINES A PARTIR DE DRECHES DE BRASSERIE**
[72] MCEWAN, RODERICK NAIRN, GB
[72] WHITE, RODERICK IAN, GB
[73] COORS BREWING COMPANY, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044198)
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[25] EN
[54] **METHOD AND SYSTEM OF CREATING A REPLICA OF AN ANATOMICAL STRUCTURE**
[54] **PROCEDE ET SYSTEME DE CREATION D`UNE REPRODUCTION D`UNE STRUCTURE ANATOMIQUE**
[72] SHUBIN, STEVEN A., SR., US
[72] ASHLEY, DAVID H., US
[72] SHUBIN, STEVEN A., JR., US
[72] D'ANDREA, PHILIP V., US
[72] BARLOW, ANTHONY A., US
[73] SHUBIN, STEVEN A., SR., US
[86] (3071910)
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[22] 2020-02-11
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[25] EN
[54] **DEVICE FOR OPTICALLY MEASURING THE EXTERNAL-THREAD PROFILE OF A PIPE**
[54] **DISPOSITIF POUR LA MESURE OPTIQUE DU PROFIL DE FILETAGE EXTERIEUR DE TUBES**
[72] KLARNER, JURGEN, AT
[72] LEITNER, REINHARD, AT
[72] WINKLER, PETER, AT
[72] KARNER, HANNES, AT
[73] VOESTALPINE TUBULARS GMBH & CO KG, AT
[85] 2020-02-04
[86] 2018-11-08 (PCT/AT2018/000091)
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[25] EN
[54] **METHOD, DEVICE AND COMPUTER PROGRAM FOR VIRTUALLY ADJUSTING A SPECTACLE FRAME**
[54] **PROCEDE, DISPOSITIF ET PROGRAMME INFORMATIQUE POUR L'ADAPTATION VIRTUELLE D'UNE MONTURE DE LUNETTES**
[72] SCHWARZ, OLIVER, DE
[72] IHRKE, IVO, DE
[73] CARL ZEISS AG, DE
[73] CARL ZEISS VISION INTERNATIONAL GMBH, DE
[85] 2020-02-05
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[25] EN
[54] **COMPOSITIONS, METHODS AND SYSTEMS FOR REMOVAL OF STARCH**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES D'ELIMINATION D'AMIDON**
[72] LITERSKI, GEOFFREY GRANT, AU
[72] DUDLEY, MALCOLM ROBERT, AU
[73] ECOCHEM AUSTRALIA PTY LTD, AU
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[54] **CROP DISEASE RECOGNITION AND YIELD ESTIMATION**
[54] **RECONNAISSANCE DE MALADIES DE CULTURES ET ESTIMATION DE RENDEMENT**
[72] BEDOYA, JUAN PABLO, US
[72] STUBER, VICTOR, US
[72] GUILLEMETTE, GERARD, US
[72] KEMINK, JOOST, US
[72] CHEN, YAQI, US
[72] WILLIAMS, DANIEL, US
[72] SHE, YING, US
[72] FARAH, MARIAN, US
[72] BOSHARD, JULIAN, US
[72] GUAN, WEI, US
[73] CLIMATE LLC, US
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[51] **Int.Cl. A61B 34/30 (2016.01) B25J 5/00 (2006.01) B25J 18/00 (2006.01)**
[25] EN
[54] **ROBOTIC ARM CART HAVING SHOCK ABSORBING MECHANISMS AND USES THEREFOR**
[54] **CHARIOT A BRAS ROBOTISE AYANT DES MECANISMES D'ABSORPTION DES CHOCS ET UTILISATIONS DE CELUI-CI**
[72] TIMM, RICHARD WILLIAM, US
[72] LIM, SEUNG MO, US
[72] WIGGERS, ROBERT T., US
[72] SIU, BERNARD FAI KIN, US
[72] KOENIG, KAREN SHAKESPEAR, US
[73] VERB SURGICAL INC., US
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[25] EN
[54] **APPARATUS AND METHOD FOR PRINTING LARGE THERMOPLASTIC PARTS DURING ADDITIVE MANUFACTURING**
[54] **APPAREIL ET PROCEDE D'IMPRESSION DE GRANDES PARTIES THERMOPLASTIQUES PENDANT UNE FABRICATION ADDITIVE**
[72] SUSNJARA, KENNETH J., US
[72] VAAL, SCOTT G., US
[72] SMIDDY, BRIAN S., US
[72] FUQUAY, JONATHAN I., US
[73] THERMWOOD CORPORATION, US
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[86] 2018-07-09 (PCT/US2018/041208)
[87] (WO2019/055107)
[30] US (15/703,558) 2017-09-13

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[25] EN
[54] **APPARATUS AND METHODS FOR COMPRESSING MATERIAL DURING ADDITIVE MANUFACTURING**
[54] **APPAREIL ET PROCEDES DE COMPRESSION DE MATIERE LORS D'UNE FABRICATION ADDITIVE**
[72] SUSNJARA, KENNETH J., US
[72] VAAL, SCOTT G., US
[72] SMIDDY, BRIAN S., US
[73] THERMWOOD CORPORATION, US
[85] 2020-03-05
[86] 2018-07-09 (PCT/US2018/041212)
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[25] EN
[54] **GRAIN BIN POWERSWEEP WITH SWEEP CONVEYOR END WHEEL**
[54] **BALAYAGE MECANIQUE DE CELLULE A GRAINS AVEC ROUE D`EXTREMITE DE TRANSPORTEUR A BALAYAGE**
[72] GUTWEIN, ADAM K., US
[72] DINGELDEIN, MARK S., US
[72] WALKER, JEFFREY E., US
[73] CTB, INC., US
[86] (3075042)
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[22] 2020-03-10
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[51] **Int.Cl. B07B 1/22 (2006.01) B07B 1/52 (2006.01) B07B 13/16 (2006.01) B65B 69/00 (2006.01)**
[25] FR
[54] **DEPACKAGING APPARATUS WITH IMPROVED CLEANING**
[54] **DECONDITIONNEUR A NETTOYAGE AMELIORE**
[72] GOMEZ, REMI, FR
[73] GREEN CREATIVE, FR
[85] 2020-03-10
[86] 2018-09-11 (PCT/EP2018/074505)
[87] (WO2019/053018)
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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01) A61M 15/06 (2006.01) H05B 3/26 (2006.01)**
[25] EN
[54] **AN ELECTRONIC DEVICE FOR GENERATING AEROSOL, AND A METHOD OF GENERATING AEROSOL**
[54] **DISPOSITIF ELECTRONIQUE POUR GENERER UN AEROSOL ET PROCEDE DE GENERATION D'AEROSOL**
[72] KOZLOWSKI, MARCIN, PL
[72] JAKOBCZYK, ADRIAN, PL
[72] ZIELAZEK, PAWEL, PL
[72] KOZLOWSKI, MICHAL, PL
[73] ESMOKING INSTITUTE SP. Z O.O., PL
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[25] EN
[54] **OVERPRESSURE MITIGATION SYSTEMS FOR HYDRAULIC FRACTURING**
[54] **SYSTEMES D'ATTENUATION DE LA SURPRESSION POUR FRACTURATION HYDRAULIQUE**
[72] STEPHENSON, STANLEY V., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-16
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[25] EN
[54] **BALL DROP TWO STAGE VALVE**
[54] **VANNE A DEUX ETAGES A CHUTE DE BILLE**
[72] FUXA, JASON, US
[72] TURICK, DANIEL J., US
[72] JOHNSON, MICHAEL, US
[72] HIGHTOWER, ADRIANA, US
[72] SNITKOFF, JOSHUA RAYMOND, US
[72] CARREJO, NICHOLAS, US
[72] ABDELFATTAH, TARIK, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[51] **Int.Cl. B29C 33/44 (2006.01) B29C 45/44 (2006.01)**
[25] EN
[54] **MOLD DEVICE AND METHOD FOR MANUFACTURING RESIN MOLDED ARTICLE**
[54] **DISPOSITIF DE MOULAGE ET PROCEDE DE FABRICATION D'UN ARTICLE MOULE EN RESINE**
[72] UCHI, TOMOYUKI, JP
[72] MATSUSHIMA, HIROSHI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2020-03-26
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[25] EN
[54] **BIOMARKERS USEFUL FOR DETECTION OF TYPES, GRADES AND STAGES OF HUMAN BREAST CANCER**
[54] **BIOMARQUEURS SERVANT A DETECTER DES TYPES, NIVEAUX ET STADES DU CANCER DU SEIN CHEZ L'ETRE HUMAIN**
[72] DINESH KUMAR, LEKHA, IN
[72] VERMA, VINOD KUMAR, IN
[72] NAIR, REKHA A., IN
[72] PRABHAKAR, JEM, IN
[72] KATTOOR, JAYASREE, IN
[73] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (C.S.I.R.), IN
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[25] EN
[54] **HYDROGEL FORMULATION WITH MILD ADHESION**
[54] **FORMULATION D'HYDROGEL AVEC ADHESION LEGERE**
[72] ZOOK, CHRISTOPHER A., US
[72] SWEENEY, MICHAEL T., US
[72] QUESNELL, REBECCA R., US
[72] CARNEY, FIONA PATRICIA, US
[72] RENE, CLAUDE-RAYMOND, US
[72] ASFAW, BRUKTAWIT, US
[72] KOKOTOFF, SARAH BARBARA, US
[72] UGBEDAH, DOMINIC DOMINICOVICH, US
[73] ZOETIS SERVICES LLC, US
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[22] 2016-05-05
[62] 2,984,614
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[25] EN
[54] **VANITY MIRROR**
[54] **MIROIR DE MEUBLE-COIFFEUSE**
[72] YANG, FRANK, US
[72] WOLBERT, DAVID, US
[72] SANDOR, JOSEPH, US
[72] CARDENAS, ORLANDO, US
[72] BUSHROE, FREDERICK N., US
[73] SIMPLEHUMAN, LLC, US
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[22] 2013-02-27
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[25] EN
[54] **ARRANGEMENT COMPRISING TWO SWITCH CABINET RACKS INTERCONNECTED BY MEANS OF A BAYING CONNECTOR**
[54] **DISPOSITIF MUNI DE DEUX PROFILES DE CADRE D'ARMOIRE ELECTRIQUE RELIES ENTRE EUX PAR UN RACCORD DE JONCTION**
[72] REUTER, WOLFGANG, DE
[72] SCHINDLER, TIMO, DE
[72] HOF, MICHAEL, DE
[73] RITTAL GMBH & CO. KG, DE
[85] 2020-04-09
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[87] (WO2019/149300)
[30] DE (20 2018 100 613.4) 2018-02-05

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[51] **Int.Cl. F02C 9/18 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING A GAS TURBINE ENGINE**
[54] **PROCEDE DE COMMANDE D'UNE TURBINE A GAZ**
[72] BULAT, DIANA, GB
[72] SKIPPER, DORIAN, GB
[72] SMITH, MICHAEL, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **WELL PACKERS**
[54] **GARNITURES D'ETANCHEITE DE PUITS**
[72] BURCKHARD, SHANE R., US
[72] EZELL, MICHAEL D., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3081047)
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[22] 2016-09-30
[62] 3,034,223

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[51] **Int.Cl. F41A 33/06 (2006.01) G09B 9/00 (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
[86] (3081201)
[87] (3081201)
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[62] 2,874,440
[30] US (61/650,006) 2012-05-22
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[51] **Int.Cl. B23K 20/12 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CHANGING THE WELDING DIRECTION OF THE WELDING SHOULDER OF A SYSTEM FOR FRICTION STIR WELDING PROCESS VIRTUALLY WITHOUT D ELAY**
[54] **DISPOSITIF ET PROCEDE POUR CHANGER PRESQUE INSTANTANEMENT LA DIRECTION DE SOUDAGE DE L'EPAULEMENT DE SOUDAGE D'UNE INSTALLATION DE SOUDAGE PAR FRICTION-MALAXAGE**
[72] WEIGL, MARKUS, DE
[73] GRENZEBACH MASCHINENBAU GMBH, DE
[85] 2020-05-06
[86] 2018-11-14 (PCT/DE2018/000334)
[87] (WO2019/101253)
[30] DE (10 2017 010 965.6) 2017-11-27

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[25] EN
[54] **PRE-FLUSH FOR OIL FOAMERS**
[54] **PRE-RINCAGE POUR AGENTS MOUSSANTS D'HUILE**
[72] MORALES, ROSANEL, US
[72] QUINTERO, LIRIO, US
[72] LEHRER, SCOTT ERIC, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-05-07
[86] 2018-10-18 (PCT/US2018/056525)
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[25] EN
[54] **CRYSTALLINE 2-AMINO-2-(HYDROXYMETHYL)PROPANE-1,3-DIOL SALT OF 4-(4-(1-ISOPROPYL-7-OXO-1,4,6,7-TETRAHYDROSPIRO[INDAZOLE-5,4'-PIPERIDINE]-1'-CARBONYL)-6-METHOXYPYRIDIN-2-YL)BENZOIC ACID**
[54] **SEL DE 2-AMINO-2-(HYDROXYMETHYL)PROPANE-1,3-DIOL CRISTALLIN DE L'ACIDE 4-(4-(1 -ISOPROPYL-7-OXO-1,4,6,7-TETRAHYDROSPIRO[INDAZOLE-5,4'-PIPERIDINE]-1 '-CAR BONYL)-6-METHOXYPYRIDIN-2 -YL)BENZOIQUE**
[72] FERNANDO, DILINIE, US
[72] LACASSE, SHAWN M., US
[72] WIGLESWORTH, KRISTIN, US
[73] PFIZER INC., US
[85] 2020-05-15
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[25] EN
[54] **MAIZE INBRED PH48RS**
[54] **MAIS AUTOGAME PH48RS**
[72] ZHANG, JULIA XIULING, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082991)
[87] (3082991)
[22] 2020-06-10
[30] US (16/441,162) 2019-06-14

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[51] **Int.Cl. B25G 1/10 (2006.01) A47L 13/52 (2006.01)**
[25] EN
[54] **FLOOR CARE TOOLS**
[54] **OUTILS DE SOINS DE SOL**
[72] BALZ, ERIC R., US
[73] ECOLAB USA INC., US
[85] 2020-05-27
[86] 2018-12-04 (PCT/US2018/063779)
[87] (WO2019/113018)
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[51] **Int.Cl. F04D 15/00 (2006.01)**
[25] EN
[54] **PREDICTIVE PUMP STATION AND PIPELINE ADVANCED CONTROL SYSTEM**
[54] **STATION DE POMPAGE PREDICTIVE ET SYSTEME DE COMMANDE AVANCE DE PIPELINE**
[72] FOWLER, EDWARD A., US
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[25] EN
[54] **DIFFUSION MONITORING PROTOCOL FOR OPTIMIZED TISSUE FIXATION**
[54] **PROTOCOLE DE SURVEILLANCE DE DIFFUSION POUR UNE FIXATION OPTIMISEE DE TISSU**
[72] CHAFIN, DAVID, US
[72] OTTER, MICHAEL, US
[72] BAUER, DANIEL, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
[86] (3087129)
[87] (3087129)
[22] 2015-12-17
[62] 2,965,434
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[25] EN
[54] **INDUSTRIAL VEHICLE**
[54] **VEHICULE INDUSTRIEL**
[72] KUBOTANI, TAKEHIRO, JP
[73] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[86] (3089774)
[87] (3089774)
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[25] EN
[54] **SYNERGISTIC BACTERIAL CONSORTIA FOR MOBILIZING SOIL PHOSPHORUS**
[54] **CONSORTIUMS BACTERIENS SYNERGIQUES PERMETTANT DE MOBILISER LE PHOSPHORE DU SOL**
[72] WALLENSTEIN, MATTHEW D., US
[72] BELL, COLIN W., US
[73] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[86] (3092129)
[87] (3092129)
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[54] **BINDER AND METHOD OF FORMING THE BINDER FOR GRANULATION, AGGREGATION AND STRUCTURING OF MINERAL SOLIDS**
[54] **LIANT ET METHODE DE FORMATION DE LIANT POUR LA GRANULATION, L'AGREGATION ET LA STRUCTURATION DE SOLIDES MINERAUX**
[72] SORTWELL, EDWIN T., US
[73] SORTWELL & CO., US
[86] (3092823)
[87] (3092823)
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[25] EN
[54] **CANOLA INBRED CL6109085R**
[54] **CANOLA AUTOGAME CL6109085R**
[72] SHAW, ERIC, US
[73] AGRIGENETICS, INC., US
[86] (3095236)
[87] (3095236)
[22] 2020-10-05
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[25] EN
[54] **CANOLA VARIETY 18NG0485L**
[54] **VARIETE DE CANOLA 18NG0485L**
[72] FALAK, IGOR, US
[72] MCCLINCHEY, SCOTT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095266)
[87] (3095266)
[22] 2020-10-05
[30] US (16/941,609) 2020-07-29

[11] **3,095,345**
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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED G00104FC**
[54] **CANOLA AUTOGAME G00104FC**
[72] MCCLINCHEY, SCOTT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095345)
[87] (3095345)
[22] 2020-10-05
[30] US (16/939,114) 2020-07-27

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED N00644FC**
[54] **CANOLA AUTOGAME N00644FC**
[72] FALAK, IGOR, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095347)
[87] (3095347)
[22] 2020-10-05
[30] US (16/939,120) 2020-07-27

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED G00917RCC01**
[54] **CANOLA AUTOGAME G00917RCC01**
[72] MCCLINCHEY, SCOTT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095383)
[87] (3095383)
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[30] US (16/939,123) 2020-07-27

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED 3NR057**
[54] **CANOLA AUTOGAME 3NR057**
[72] FALAK, IGOR, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095385)
[87] (3095385)
[22] 2020-10-05
[30] US (16/939,124) 2020-07-27

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED G00573MC**
[54] **CANOLA AUTOGAME G00573MC**
[72] MCCLINCHEY, SCOTT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3095391)
[87] (3095391)
[22] 2020-10-05
[30] US (16/939,125) 2020-07-27

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[13] C
[51] **Int.Cl. G07B 3/04 (2006.01) G07C 15/00 (2006.01)**
[25] EN
[54] **LOTTERY TICKET BIN WITH PULL-OUT DRAWER AND TICKET GUIDE CONFIGURATION**
[54] **BAC A BILLETS DE LOTERIE EN CONFIGURATION DE TIROIR ET DE GUIDES**
[72] MASOCOL, TIMOTHY, US
[72] HOLBROOK, JAMES JONATHAN, US
[72] THOMPSON, MARK ANDREW, US
[72] MEJENBORG, STEN HALLUNDBAEK, US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[86] (3095396)
[87] (3095396)
[22] 2020-10-07
[30] US (16/596,919) 2019-10-09

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[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/24 (2006.01) C12N 9/38 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/56 (2006.01) C12N 15/70 (2006.01) C12P 19/00 (2006.01) C12P 19/04 (2006.01)**
[25] EN
[54] **BIOSYNTHESIS OF HUMAN MILK OLIGOSACCHARIDES IN ENGINEERED BACTERIA**
[54] **BIOSYNTHESE D'OLIGOSACCHARIDES DE LAIT HUMAIN DANS DES BACTERIES MANIPULEES**
[72] MERIGHI, MASSIMO, US
[72] MCCOY, JOHN M., US
[72] HEIDTMAN, MATTHEW IAN, US
[73] GLYCOSYN LLC, US
[86] (3098403)
[87] (3098403)
[22] 2012-02-16
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[54] **TAKING SNAPSHOTS OF BLOCKCHAIN DATA**
[54] **PRISE D'INSTANTANES DE DONNEES DE CHAINE DE BLOCS**
[72] LU, ZHONGHAO, CN
[73] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-10-30
[86] 2019-11-29 (PCT/CN2019/121995)
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[25] EN
[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
[73] PARAGON 28, INC., US
[85] 2020-11-03
[86] 2019-05-06 (PCT/US2019/030890)
[87] (WO2019/213653)
[30] US (62/666,918) 2018-05-04
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[51] **Int.Cl. C08L 23/04 (2006.01) B27N 1/02 (2006.01) B27N 3/00 (2006.01) C08J 5/12 (2006.01) C08L 83/04 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **SOLID CARRIER COMPONENT INCLUDING A LIQUID POLYDIORGANOSILOXANE AND METHODS FOR PREPARATION AND USE OF THE SOLID CARRIER COMPONENT**
[54] **COMPOSANT SOLIDE COMPRENANT UN POLYDIORGANOSILOXANE LIQUIDE ET PROCEDES DE PREPARATION ET D'UTILISATION DU COMPOSANT SOLIDE**
[72] KEENIHAN, JAMES, US
[72] COURTEMANCHE, MARC-ANDRE, US
[72] CHORVATH, IGOR, US
[72] BRUCE, KEITH, US
[72] MECCA, JODI, US
[73] DOW SILICONES CORPORATION, US
[85] 2020-12-18
[86] 2020-06-10 (PCT/US2020/036887)
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[30] US (62/883680) 2019-08-07

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[25] EN
[54] **SYSTEMS FOR CULTIVATING PLANTS**
[54] **SYSTEME DE CULTURE DE PLANTS**
[72] DURFEE, KENNETH, US
[73] SPACESAVER CORPORATION, US
[86] (3105793)
[87] (3105793)
[22] 2021-01-12
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[51] **Int.Cl. A61F 2/44 (2006.01) A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CORRECTING SPINAL DEFORMITIES IN PATIENTS**
[54] **DISPOSITIF ET PROCEDE DE CORRECTION DE DEFORMATIONS RACHIDIENNES CHEZ DES PATIENTS**
[72] SINGH, ALEXANDER, US
[72] RUSTAGI, ROHIT, US
[72] VITHOULKAS, GEORGE, US
[72] TALEGHANI, ERIC, US
[72] SYED, HASAN, US
[73] MINIMALLY INVASIVE SPINAL TECHNOLOGY, LLC, US
[85] 2021-02-03
[86] 2019-08-07 (PCT/US2019/045581)
[87] (WO2020/033600)
[30] US (62/715,638) 2018-08-07

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[25] EN
[54] **STARRY PROJECTION LAMP**
[54] **LAMPE DE PROJECTION A MOTIFS ETOILES**
[72] ZHENG, CAIJIAN, CN
[72] OUYANG, WENZHEN, CN
[73] SHENZHEN SKOE TECHNOLOGY CO., LTD., CN
[86] (3113763)
[87] (3113763)
[22] 2021-03-30
[30] CN (202110215223.X) 2021-02-25

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[13] C
[51] **Int.Cl. C08K 3/30 (2006.01) B32B 27/32 (2006.01) C08L 23/04 (2006.01)**
[25] EN
[54] **MULTILAYER FILM AND IMPLEMENTATIONS THEREOF**
[54] **FILM MULTICOUCHE ET MISES EN OEUVRE CONNEXES**
[72] NAIR, HARIHARAN KRISHNAN, IN
[73] EPL LIMITED, IN
[85] 2021-04-06
[86] 2020-10-07 (PCT/IN2020/050862)
[87] (WO2021/070197)
[30] IN (201921040614) 2019-10-07

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[51] **Int.Cl. F16K 3/02 (2006.01) E21B 34/02 (2006.01) F16K 3/30 (2006.01)**
[25] EN
[54] **VALVE CAVITY ISOLATION SEAT**
[54] **SIEGE D`ISOLATION DE CAVITE DE SOUPAPE**
[72] COTTON, CRAIG, US
[72] ZWIACHER, WESTON, US
[73] PATRIOT RESEARCH CENTER, LLC, US
[86] (3116107)
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[25] EN
[54] **POWER RAIL SYSTEM**
[54] **SYSTEME DE RAIL D'ALIMENTATION**
[72] MILLER, JEFFREY F., US
[72] BONACINA, MATTEO, US
[72] GOMEZ, ADRIAN, US
[72] DOLLINGER, JUSTIN D., US
[72] PEAVEY, ROBERT D., US
[73] POPPIN, INC., US
[85] 2021-04-22
[86] 2019-10-25 (PCT/US2019/058035)
[87] (WO2020/086949)
[30] US (62/751,136) 2018-10-26

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[13] C
[51] **Int.Cl. G06F 9/54 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LIVE SAAS OBJECTS**
[54] **SYSTEMES ET PROCEDES POUR OBJETS DE SAAS EN DIRECT**
[72] CHAUHAN, ABHISHEK, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-05-10
[86] 2019-11-11 (PCT/US2019/060712)
[87] (WO2020/102073)
[30] US (16/188,176) 2018-11-12

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[13] C
[51] **Int.Cl. H04L 9/40 (2022.01)**
[25] EN
[54] **DETECTING ATTACKS USING HANDSHAKE REQUESTS SYSTEMS AND METHODS**
[54] **DETECTION D'ATTAQUES A L'AIDE DE SYSTEMES ET DE PROCEDES DE DEMANDES D'ETABLISSEMENT DE LIAISON**
[72] PENNER, ANDREW, US
[72] KANEKAR, TUSHAR, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-05-28
[86] 2019-11-27 (PCT/US2019/063731)
[87] (WO2020/117599)
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[54] **INTELLIGENT AURORA BOREALIS PROJECTION LAMP**
[54] **LAMPE DE PROJECTION D'AURORE BOREALE INTELLIGENTE**
[72] ZHENG, CAIJIAN, CN
[72] OUYANG, WENZHEN, CN
[73] SHENZHEN SKOE TECHNOLOGY CO., LTD., CN
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[54] **SYSTEMS AND METHODS FOR IMAGE PROCESSING**
[54] **SYSTEMES ET METHODES DE TRAITEMENT D'IMAGE**
[72] CHEN, LIANGYI, CN
[72] LI, HAOYU, CN
[72] ZHAO, WEISONG, CN
[72] HUANG, XIAOSHUAI, CN
[73] GUANGZHOU COMPUTATIONAL SUPER-RESOLUTION BIOTECH CO., LTD., CN
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[54] **ELEMENT DE CADRE DE CHAMBRE, CELLULE ELECTROLYTIQUE ET CELLULE D'ELECTRODIALYSE**
[72] OTSU, HIDEO, JP
[72] OKURA, MAKOTO, JP
[73] DE NORA PERMELEC LTD, JP
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[51] **Int.Cl. A61B 10/00 (2006.01) G01N 1/28 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **OBTAINING CELLULAR AND DNA MATERIAL FROM HUMAN FEMALE REPRODUCTIVE SYSTEM FOR VARIOUS PURPOSES INCLUDING OVARIAN AND ENDOMETRIAL CANCER DETECTION**
[54] **OBTENTION DE MATERIEL CELLULAIRE ET ADN A PARTIR D'UN SYSTEME REPRODUCTEUR FEMININ HUMAIN A DES FINS DIVERSES, Y COMPRIS LA DETECTION DU CANCER DE L'OVAIRE ET DE L'ENDOMETRE**
[72] TEVLIN, MAYA, US
[73] INANNA DIAGNOSTICS, INC., US
[85] 2021-10-06
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[25] EN
[54] **COUNTERBALANCED CUTTING HEAD FOR A SOD HARVESTER**
[54] **TETE DE COUPE A CONTREPOIDS POUR DEPLAQUEUSE DE GAZON**
[72] APOSHIAN, STEVEN, US
[72] ASTON, ERIC, US
[72] DECKER, WILLIAM, US
[72] LEBLANC, MARK, US
[72] NEUNER, AUSTIN, US
[72] JEPPSON, SETH, US
[73] FIREFLY AUTOMATIX, INC., US
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[54] **SYSTEM AND METHOD FOR INTERNAL INSPECTION OF RAIL COMPONENTS**
[54] **SYSTEME ET METHODE D'INSPECTION INTERNE DE COMPOSANTES DE RAIL**
[72] BELCHER, JEB E., US
[72] GRISSOM, GREGORY THOMAS, US
[72] BACIAK, JAMES EDWARD, US
[72] JORDAN, KELLY ALEXANDER, US
[72] NIMMAGADDA, JYOTHIER, US
[72] CUI, SHUANG, US
[72] MANUEL, MICHELE VIOLA, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[73] LORAM TECHNOLOGIES, INC., US
[86] (3140591)
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[54] **CONVERSATION ANALYSIS SYSTEM**
[54] **SYSTEME D'ANALYSE DE CONVERSATION**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS CORP., JP
[85] 2021-11-16
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[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO TARGETING**
[54] **AMELIORATIONS APPORTEES A UN CIBLAGE ET SE RAPPORTANT A CELUI-CI**
[72] FORSBERG, CHARLES, GB
[73] FORSBERG SERVICES LTD, GB
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[25] EN
[54] **NATURE247 ANTICOVID TEA**
[54] **THE ANTI-COVID NATURE247**
[72] ALHASSAN, JAMILA, CA
[71] ALHASSAN, JAMILA, CA
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[54] **FILM ROLLER SYSTEM**
[54] **SYSTEME DE ROULEAU DE PELLICULE**
[72] ZHANG, YAN, CA
[71] ZHANG, YAN, CA
[22] 2020-10-28
[41] 2022-04-28

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[25] EN
[54] **CEILING REGISTER VENT WITH BOW-SPRINGS ON SIDEWALLS FOR SCREWLESS ATTACHMENT TO REGISTER BOX**
[54] **EVENT DE REGISTRE DE PLAFOND AVEC RESSORTS ARQUES SUR LES PAROIS LATERALES POUR UNE FIXATION SANS VIS AU BOITIER DE REGISTRE**
[72] WRIGHT, COLIN M., CA
[71] THE WRIGHT HANDYMAN INC., CA
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[54] **PEANUT HYPOALLERGENIC FORMULATIONS FOR DETERMINING THE RISK OF ANAPHYLAXIS**
[54] **FORMULATIONS HYPOALLERGENIQUES D'ARACHIDE POUR DETERMINER LE RISQUE D'ANAPHYLAXIE**
[72] COHEN, CASEY, CA
[72] JEAN-CLAUDE, BERTRAND J., CA
[72] MAZER, BRUCE, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
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[54] **DONNING AID DEVICE**
[54] **DISPOSITIF D'AIDE A L'HABILLAGE**
[72] ILIUTA, SERBAN, CA
[71] ILIUTA, SERBAN, CA
[22] 2020-10-27
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[25] EN
[54] **AUTOMOBILE HEADREST SAFE**
[54] **SECURITE D'APPUIE-TETE D'AUTOMOBILE**
[72] MEISLER, IRVING DAVID, US
[71] MEISLER, IRVING DAVID, US
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[51] **Int.Cl. E21C 27/00 (2006.01)**
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[54] **SMALL HARDROCK MINING MACHINE**
[54] **PETITE MACHINE D'EXPLOITATION MINIERE EN ROCHE DURE**
[72] ROOT, JOHN, CA
[71] ROOT, JOHN, CA
[22] 2020-10-27
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[13] A1
[51] **Int.Cl. H04W 12/33 (2021.01) H04W 12/06 (2021.01) G08B 21/02 (2006.01)**
[25] EN
[54] **IDME-THE UNIQUE IDENTIFIER - A WEARABLE SECURITY DEVICE**
[54] **IDME - L'IDENTIFIANT UNIQUE : UN DISPOSITIF DE SECURITE A PORTER**
[72] FREDERICKS, HEATHER, CA
[71] FREDERICKS, HEATHER, CA
[22] 2020-10-28
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[51] **Int.Cl. A61G 7/05 (2006.01)**
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[54] **SIMPLE REPOSITIONING AID FOR USE BY A PATIENT IN NEED THEREOF**
[54] **SIMPLE OUTIL DE REPOSITIONNEMENT A UTILISER PAR UN PATIENT QUI EN A BESOIN**
[72] BEER, GEORGE A., CA
[71] BEER, GEORGE A., CA
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[51] **Int.Cl. B65D 85/00 (2006.01) B65D 41/04 (2006.01) B65D 50/00 (2006.01) B65D 55/00 (2006.01) B65D 81/24 (2006.01)**
[25] EN
[54] **CONTAINER FOR STORING A PRODUCT**
[54] **CONTENANT POUR STOCKER UN PRODUIT**
[72] ZASTAR, MICHAEL, CA
[71] BIS SOLUTIONS INC., CA
[22] 2020-10-28
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[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) B65D 25/00 (2006.01) B65D 79/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR THE IMPLEMENTATION OF REUSABLE CONTAINERS**
[54] **SYSTEME ET METHODE POUR LA MISE EN OEUVRE DE CONTENANTS REUTILISABLES**
[72] TRUC, TRAN-NGOC, CA
[72] TRAN, KIM-CHI, CA
[72] TRAN, KIM-LAN, CA
[71] TRUC, TRAN-NGOC, CA
[71] TRAN, KIM-CHI, CA
[71] TRAN, KIM-LAN, CA
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[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/51 (2006.01) A61K 31/7105 (2006.01) A61K 38/46 (2006.01) A61K 47/36 (2006.01) A61K 49/04 (2006.01)**
[25] EN
[54] **ZIP-IN TECHNOLOGY FOR ANTIVIRAL THERAPEUTIC NANOFORMULATIONS**
[54] **TECHNOLOGIE POLYVALENTE POUR NANOFORMULATIONS THERAPEUTIQUES ANTIVIRALES**
[72] NEPOTCHATYKH, OLEG, CA
[72] NEPOTCHATYKH, EVGUENIA, CA
[72] NEPOTCHATYKH, OLGA, CA
[71] NEPOTCHATYKH, OLEG, CA
[71] NEPOTCHATYKH, EVGUENIA, CA
[71] NEPOTCHATYKH, OLGA, CA
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[51] **Int.Cl. B01J 20/22 (2006.01) B01D 15/08 (2006.01)**
[25] EN
[54] **POROUS ORGANIC CAGES FOR QUANTUM SIEVING**
[54] **CAGES ORGANIQUES POREUSES POUR LE TAMISAGE QUANTIQUE**
[72] COOPER, ANDREW I., GB
[72] LIU, MING, GB
[72] LITTLE, MARC A., GB
[72] CHEN, LINJIANG, GB
[71] THE UNIVERSITY OF LIVERPOOL, GB
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[51] **Int.Cl. A61G 13/10 (2006.01) A47G 9/02 (2006.01) A47K 17/00 (2006.01) A61H 37/00 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **DISEASE TRANSMISSION PREVENTING MASSAGE TABLE COVER**
[54] **COUVERTURE DE TABLE DE MASSAGE POUR EMPECHER LA TRANSMISSION DE MALADIES**
[72] FARRINGTON, STEPHANIE, CA
[71] FARRINGTON, STEPHANIE, CA
[22] 2020-10-28
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[54] **INTERACTIVE ALGORITHM AND DATABASE SYSTEM FOR SELECTION OF NON-PRESCRIPTION OVER-THE-COUNTER PRODUCTS**
[54] **ALGORITHME INTERACTIF ET SYSTEME DE BASE DE DONNEES POUR LA SELECTION DE PRODUITS EN VENTE LIBRE SANS PRESCRIPTION**
[72] WELLMAN LABADIE, OLIVIER, CA
[71] WELLMAN LABADIE, OLIVIER, CA
[22] 2020-10-28
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[54] **ACCESS MAT SYSTEM AND METHOD OF ASSEMBLY**
[54] **SYSTEME DE CHEMIN D'ACCES ET METHODE D'ASSEMBLAGE**
[72] WEST, GARY, CA
[71] LONE PINE FOREST PRODUCTS, A DIVISION OF DUZ CHO CONSTRUCTION LP, CA
[22] 2020-10-29
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[51] **Int.Cl. G01B 21/20 (2006.01)**
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[54] **AIR-WATER INTERFACE SCANNING SYSTEM**
[54] **SYSTEME DE BALAYAGE ENTRELACE AIR-EAU**
[72] WANG, LISHAO, CA
[72] LU, FRED, CA
[72] CHENG, XIAOGE, CN
[72] LIU, SHIWEI, CA
[71] WANG, LISHAO, CA
[71] LU, FRED, CA
[71] CHENG, XIAOGE, CN
[71] LIU, SHIWEI, CA
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[25] EN
[54] **METHANE DESTRUCTION APPARATUS AND METHOD OF CONVERTING FUGITIVE METHANE EMISSIONS**
[54] **APPAREIL DE DESTRUCTION DE METHANE ET METHODE DE CONVERSION D'EMISSIONS DE METHANE FUGITIVES**
[72] MALDONADO, ALEJANDRO, CA
[71] THERMON CANADA, INC., CA
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[41] 2022-04-30

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[13] A1
[51] **Int.Cl. E06C 7/48 (2006.01)**
[25] EN
[54] **LADDER SAFETY DEVICE**
[54] **DISPOSITIF DE SECURITE D'ECHELLE**
[72] LAJOIE, ALEX, CA
[72] LUSSIER, PIERRE-LUC, CA
[72] KEY, KEVIN, CA
[71] DELTA PREVENTION INC., CA
[22] 2020-10-29
[41] 2022-04-29

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[51] **Int.Cl. B60P 7/08 (2006.01)**
[25] EN
[54] **TIE DOWN STRAP RETRIEVAL DEVICE**
[54] **DISPOSITIF DE RECUPERATION D'ATTACHE D'ARRIMAGE**
[72] HIGO, HIROMI, CA
[71] HIGO, HIROMI, CA
[22] 2020-10-30
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[25] EN
[54] **MIFEPRISTONE ORAL FORM FOR ITS USE IN CERVIX RIPENING AND LABOUR INDUCTION**
[54] **FORME ORALE DE LA MIFEPRISTONE POUR SON UTILISATION DANS LE MURISSEMENT CERVICAL ET LE DECLENCHEMENT ARTIFICIEL DU TRAVAIL**
[72] VAN TOMME, SOPHIE ROLANDE, NL
[72] HERMAN, HELENE MARIE VIRGINIE, FR
[72] SCHRAM, HANS, FR
[71] DISPHAR INTERNATIONAL B.V., NL
[71] NORDIC PHARMA SAS, FR
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[54] **COVARIATE PROCESSING WITH NEURAL NETWORK EXECUTION BLOCKS**
[54] **TRAITEMENT COVARIABLE ET BLOCS D'EXECUTION DE RESEAU NEURONAL**
[72] WONG, DANIEL, CA
[72] CARPOV, DMITRI, CA
[72] CHAPADOS, NICOLAS, CA
[71] ELEMENT AI INC., CA
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[51] **Int.Cl. G06N 3/02 (2006.01) G06Q 10/04 (2012.01) G06F 17/18 (2006.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **ADAPTING AI MODELS FROM ONE DOMAIN TO ANOTHER**
[54] **ADAPTATION DE MODELES D'INTELLIGENCE ARTIFICIELLE D'UN DOMAINE A L'AUTRE**
[72] WONG, DANIEL, CA
[71] ELEMENT AI INC., CA
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[25] EN
[54] **AGRICULTURAL IMPLEMENT WITH TINE ASSEMBLY**
[54] **APPAREIL AGRICOLE ET ENSEMBLE DE DENTS**
[72] HONEY, GLENN RAYMOND, CA
[72] HARPER, LEE GLENN, CA
[71] HONEY BEE MANUFACTURING LTD., CA
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[25] EN
[54] **PIZZA CUTTER CLEANING, STORAGE, AND ISOLATION DEVICE**
[54] **DISPOSITIF DE NETTOYAGE, DE RANGEMENT ET D'ISOLEMENT DE COUPE-PIZZA**
[72] FAGIOLI, DAVID GUIDO, CA
[71] FAGIOLI, DAVID GUIDO, CA
[22] 2020-10-29
[41] 2022-04-29

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[13] A1
[51] **Int.Cl. A61K 31/5513 (2006.01) A61K 31/675 (2006.01)**
[25] EN
[54] **MODULATORS OF ORPHAN NUCLEAR RECEPTORS FOR USE IN TREATING PANCREATITIS, GLIOBLASTOMA, SARCOPENIA, STROKE, AND TRAUMATIC BRAIN INJURY**
[54] **MODULATEURS DE RECEPTEURS NUCLEAIRES ORPHELINS A UTILISER DANS LE TRAITEMENT DE LA PANCREATITE, DU GLIOBLASTOME, DE LA SARCOPENIE, DES ACCIDENTS CEREBROVASCULAIRES ET DES TRAUMATISMES CEREBRAUX**
[72] COX, BRYAN, US
[72] GALUN, EITHAN, IL
[72] AMBLARD, FRANCK, US
[72] SCHINAZI, RAYMOND F., US
[71] EMORY UNIVERSITY, US
[71] HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD., IL
[22] 2020-11-05
[41] 2022-04-30
[30] US (63/108,054) 2020-10-30

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[51] **Int.Cl. C09J 7/32 (2018.01) C09J 7/21 (2018.01) A24C 5/00 (2020.01)**
[25] FR
[54] **GUM FOR CIGARETTE PAPER, CIGARETTE PAPER AND REALIZATION PROCESS**
[54] **GOMME POUR PAPIER A CIGARETTE, PAPIER A CIGARETTE ET PROCEDE DE REALISATION**
[72] VILA SANTIAGO, SANCHEZ, ES
[71] REPUBLIC TECHNOLOGIES(NORTH AMERICA)LLC, US
[22] 2020-12-16
[41] 2022-04-29
[30] FR (FR2011098) 2020-10-29

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **HEATING CUP**
[54] **TASSE CHAUFFANTE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-17
[41] 2022-04-25
[30] CN (202011151189.6) 2020-10-25
[30] CN (202022389613.2) 2020-10-25

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[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24F 40/40 (2020.01) A24F 1/30 (2006.01)**
[25] EN
[54] **HIGH-FREQUENCY HEATING HANDLE**
[54] **POIGNEE CHAUFFANTE HAUTE FREQUENCE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-17
[41] 2022-04-25
[30] CN (202011151202.8) 2020-10-25
[30] CN (202022389626.X) 2020-10-25

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[13] A1
[51] **Int.Cl. H05B 6/02 (2006.01) A24F 40/465 (2020.01) A24F 1/30 (2006.01) H05B 6/10 (2006.01) H05B 6/36 (2006.01)**
[25] EN
[54] **HIGH-FREQUENCY HEATING DEVICE**
[54] **DISPOSITIF DE CHAUFFAGE PAR HAUTE FREQUENCE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-17
[41] 2022-04-25
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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24F 40/465 (2020.01)**
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[54] **HEATING CUP**
[54] **TASSE CHAUFFANTE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-17
[41] 2022-04-25
[30] CN (202011151198.5) 2020-10-25
[30] CN (202022389624.0) 2020-10-25

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[51] **Int.Cl. A63B 71/14 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01) A63B 21/065 (2006.01)**
[25] EN
[54] **BOXING GLOVES WITH POUCH(POCKET) AS FITNESS APPARATUS AND EXERCISE TOOL**
[54] **GANTS DE BOXE COMPRENANT UNE POCHE (POCHETTE) COMME APPAREIL D'ENTRAINEMENT ET D'OUTIL D'EXERCICE**
[72] OLAOLUWA, OLUWASEUN, CA
[71] OLAOLUWA, OLUWASEUN, CA
[22] 2021-02-25
[41] 2022-04-29
[30] US (16/947,138) 2020-10-29

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[51] **Int.Cl. A61G 7/10 (2006.01) A61G 1/04 (2006.01) A61G 7/05 (2006.01) A61G 7/12 (2006.01) A61G 7/14 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REORIENTING A PERSON**
[54] **APPAREIL ET METHODE POUR REORIENTER UNE PERSONNE**
[72] BEED, STEPHEN DOUGLAS, CA
[72] GHARAGOZLI, ARAD, CA
[71] ME MO MED TECH INC., CA
[22] 2021-03-22
[41] 2022-04-29
[30] US (63/198,613) 2020-10-29
[30] US (17/173,838) 2021-02-11

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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) B05B 1/00 (2006.01) B05B 12/00 (2018.01)**
[25] EN
[54] **ATOMIZER**
[54] **PULVERISATEUR**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-04-26
[41] 2022-04-30
[30] CN (202011188857.2) 2020-10-30
[30] CN (202022457475.7) 2020-10-30

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[51] **Int.Cl. H04W 4/30 (2018.01) H04W 12/08 (2021.01) H04W 4/80 (2018.01) E05B 47/00 (2006.01)**
[25] EN
[54] **SMART BUILDING INTEGRATION AND DEVICE HUB**
[54] **INTEGRATION DE BATIMENT INTELLIGENTE ET POSTE D'ACCUEIL DE DISPOSITIFS**
[72] SCHOENFELDER, LUKE A., US
[72] JONES, MICHAEL B., US
[72] DHANAK, SAAYUJ, US
[72] HO, ALBERT A., US
[72] KIELISZAK, JONATHAN, US
[72] GANDHI, DEEPTHI, US
[72] ALLANA, NABEEL, US
[72] KONTRA, ANDREW, US
[72] GAGE, TYLER, US
[72] FERRIS, NATHAN, US
[72] MERLINI, RYAN, US
[72] JACOBSEN, JOHN T., US
[72] STONELAKE, TIM, US
[72] RAVICHANDRAN, NIRANJAN, US
[71] LATCH, INC., US
[22] 2021-05-11
[41] 2022-04-30
[30] US (17/085160) 2020-10-30

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[13] A1
[51] **Int.Cl. H04W 4/38 (2018.01) G06Q 20/32 (2012.01) H04W 4/30 (2018.01) H04W 76/14 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTACTLESS TRANSACTION ATTEMPT DETECTION**
[54] **METHODE ET SYSTEME DE DETECTION DE TENTATIVE DE TRANSACTION SANS CONTACT**
[72] DEFAZIO, MICHAEL JOSEPH, CA
[71] SHOPIFY INC., CA
[22] 2021-05-27
[41] 2022-04-27
[30] US (17/081,528) 2020-10-27
[30] EP (EP21169641.4) 2021-04-21

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6869 (2018.01) G16B 30/00 (2019.01) A61K 35/54 (2015.01)**
[25] EN
[54] **METHOD FOR PREIMPLANTATION GENETIC SCREENING OF EMBRYOS FOR DETECTION OF STRUCTURAL REARRANGEMENTS**
[54] **METHODE DE VERIFICATION GENETIQUE D'EMBRYONS AVANT L'IMPLANTATION POUR LA DETECTION DE RECONFIGURATIONS STRUCTURALES**
[72] MADJUNKOVA, SVETLANA, CA
[72] LIBRACH, CLIFFORD L., CA
[71] REPROBIOGEN INC., CA
[22] 2021-06-15
[41] 2022-04-29
[30] US (17/083,803) 2020-10-29

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[13] A1
[51] **Int.Cl. A01B 73/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS FOLDING FARM IMPLEMENT AND METHOD**
[54] **APPAREIL AGRICOLE PLIANT AUTONOME ET METHODE**
[72] KINCH, OWEN, CA
[72] HEDAYATPOUR, MOJTABA, CA
[71] MOJOW AUTONOMOUS SOLUTIONS INC., CA
[22] 2021-07-07
[41] 2022-04-28
[30] US (63/106,780) 2020-10-28

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[13] A1
[51] **Int.Cl. C11B 1/02 (2006.01) A23L 33/105 (2016.01) A23P 10/40 (2016.01) A61K 36/185 (2006.01) C11B 1/10 (2006.01)**
[25] EN
[54] **POWDERIZED CANNABIS AND USES THEREOF**
[54] **CANNABIS EN POUDRE ET UTILISATIONS**
[72] SAMBURSKI, GUY, IL
[72] BELIAVSKY, YAN, IL
[71] FINE - CAN LTD, IL
[22] 2021-07-27
[41] 2022-04-25
[30] IL (278286) 2020-10-25

[21] **3,126,335**
[13] A1
[51] **Int.Cl. B23P 15/00 (2006.01) B21D 53/00 (2006.01)**
[25] EN
[54] **METHODS OF CREATING BIKE RACK HOOKS**
[54] **METHODES DE CREATION DE CROCHETS DE SUPPORT A VELOS**
[72] OSHMAN, JOSEPH, US
[71] OSHMAN, JOSEPH, US
[22] 2021-07-29
[41] 2022-04-26
[30] US (63105737) 2020-10-26

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[13] A1
[51] **Int.Cl. A47G 25/02 (2006.01) A47G 25/40 (2006.01)**
[25] EN
[54] **HANGING APPARATUS**
[54] **APPAREIL DE SUPPORT**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[22] 2021-08-05
[41] 2022-04-30
[30] US (17/084,811) 2020-10-30

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[25] EN
[54] **PARASITIC ELEMENTS FOR ANTENNA SYSTEMS**
[54] **ELEMENTS PARASITES POUR DES SYSTEMES D'ANTENNE**
[72] LIN, JESSE, US
[72] GUNNELS, ROBERT, US
[71] PCTEL, INC., US
[22] 2021-08-09
[41] 2022-04-29
[30] US (17/084,109) 2020-10-29

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[51] **Int.Cl. F01D 9/06 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **SERVICE TUBE ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ENSEMBLE TUBE DE SERVICE POUR TURBINE A GAZ**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-08-20
[41] 2022-04-27
[30] US (17/081,055) 2020-10-27

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[13] A1
[51] **Int.Cl. E02F 9/22 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **HYDRAULIC FLUID TEMPERATURE-DEPENDENT CONTROL OF ENGINE SPEEDS IN SELF-PROPELLED WORK VEHICLES**
[54] **CONTROLE DES VITESSES DE MOTEUR DANS LES VEHICULES DE TRAVAIL AUTOPROPULSES EN FONCTION DE LA TEMPERATURE DU FLUIDE HYDRAULIQUE**
[72] KARST, AUSTIN J., US
[71] DEERE & COMPANY, US
[22] 2021-08-31
[41] 2022-04-27
[30] US (17/080,991) 2020-10-27

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[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/043 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **ROTATABLE MANDREL HANGER**
[54] **SUPPORT A MANDRIN ROTATIF**
[72] ARMISTEAD, JASON MEYER, US
[72] HUMPHREY, CHRISTOPHER COLE, US
[72] HELVENSTON, ANDREW BROWNE, US
[72] NGUYEN, KHANG VAN, US
[71] VAULT PRESSURE CONTROL LLC, US
[22] 2021-09-08
[41] 2022-04-28
[30] US (63/106,620) 2020-10-28
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[51] **Int.Cl. A45D 8/40 (2006.01) A42C 1/00 (2006.01)**
[25] EN
[54] **HEADPIECE**
[54] **COUVRE-CHEF**
[72] THOMSON, GILLIAN RAE, CA
[71] SKIPPER HAIR INC., CA
[22] 2021-09-10
[41] 2022-04-26
[30] US (63/105651) 2020-10-26

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[51] **Int.Cl. H05B 47/16 (2020.01) F21V 9/40 (2018.01) H05B 45/20 (2020.01) H05B 47/19 (2020.01) A47G 33/00 (2006.01) F21S 10/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING LAMP, CIRCADIAN LAMP AND HOLIDAY LAMP**
[54] **SYSTEME POUR CONTROLER UNE LAMPE, LAMPE CIRCADIENNE ET LAMPE FESTIVE**
[72] WANG, QINGKAI, CN
[72] LUO, XURONG, CN
[72] GONG, YANKUN, CN
[72] XIAO, KUN, CN
[71] SAVANT TECHNOLOGIES LLC, US
[22] 2021-09-13
[41] 2022-04-30
[30] CN (2020224774946) 2020-10-30

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[51] **Int.Cl. B60G 17/00 (2006.01) A01M 7/00 (2006.01)**
[25] EN
[54] **SELF-PROPELLED SPRAYER SUSPENSION TRAVEL REDUCTION MECHANISM**
[54] **MECANISME DE REDUCTION DU DEPLACEMENT D'UNE SUSPENSION DE PULVERISATEUR AUTOPROPULSE**
[72] WUBBEN, THOMAS M., US
[72] FAUSCH, JOSHUA J., US
[72] JORDAN, DANIEL C., US
[71] DEERE & COMPANY, US
[22] 2021-09-15
[41] 2022-04-29
[30] US (17/084,059) 2020-10-29

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/13 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING RESOURCE ACCESS PERMISSIONS WITHIN A COMPUTING ENVIRONMENT**
[54] **METHODE ET SYSTEME POUR GERER DES PERMISSIONS D'ACCES AUX RESSOURCES DANS UN ENVIRONNEMENT INFORMATIQUE**
[72] PULSIFIER, JONATHAN, CA
[72] MCLEOD, ANDREW, CA
[72] SHEININ, NATALIE, CA
[72] LUYT, GENEVIEVE, CA
[71] SHOPIFY INC., CA
[22] 2021-09-15
[41] 2022-04-29
[30] US (17/084,007) 2020-10-29

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[13] A1
[51] **Int.Cl. H01F 38/32 (2006.01) H01G 4/40 (2006.01) H04L 12/40 (2006.01)**
[25] EN
[54] **INTELLIGENT CURRENT TRANSFORMER**
[54] **TRANSFORMATEUR DE COURANT INTELLIGENT**
[72] YAO, XINGDONG, CN
[72] WANG, TIANYU, CN
[72] ZHAO, CHUANQIANG, CN
[72] SHI, RUIQI, CN
[72] JIANG, WEN, CN
[72] ZHAO, LEI, CN
[72] YANG, XIAOYUAN, CN
[71] QINGDAO TOPSCOMM COMMUNICATION CO., LTD, CN
[22] 2021-09-16
[41] 2022-04-24
[30] CN (202011150936.4) 2020-10-24

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[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **AUGMENTED REALITY-ASSISTED METHODS AND APPARATUS FOR ASSESSING FIT OF PHYSICAL OBJECTS IN THREE-DIMENSIONAL BOUNDED SPACES**
[54] **METHODES ET APPAREIL ASSISTES PAR REALITE AUGMENTEE POUR EVALUER LA TAILLE D'OBJETS DANS DES ESPACES TRIDIMENSIONNELS LIMITES**
[72] DELGADO, BYRON LEONEL, CA
[72] BEAUCHAMP, DANIEL, CA
[72] LALANI, MAAS MANSOOR ALI, CA
[71] SHOPIFY INC., CA
[22] 2021-09-20
[41] 2022-04-28
[30] US (17/082253) 2020-10-28

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[13] A1
[51] **Int.Cl. B05B 1/18 (2006.01) E03C 1/02 (2006.01)**
[25] EN
[54] **SHOWER HEAD**
[54] **POMME DE DOUCHE**
[72] LIN, XIAOFA, CN
[72] LIN, XIAOSHAN, CN
[72] CHEN, ZHIWEI, CN
[72] DENG, FEIMING, CN
[72] DENG, XIAOQING, CN
[72] LIU, QIQIAO, CN
[71] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD., CN
[22] 2021-09-21
[41] 2022-04-30
[30] CN (202011196033.X) 2020-10-30

[21] **3,131,527**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MAINTAINING AND/OR UPDATING ONE OR MORE ITEM TAXONOMIES**
[54] **METHODE ET APPAREIL POUR ENTRETENIR ET/OU METTRE A JOUR UNE OU PLUSIEURS TAXONOMIES D'ARTICLES**
[72] STAROSTENKO, JULIA, CA
[72] SEEMANN RAMOS, RAFAEL, CA
[71] SHOPIFY INC., CA
[22] 2021-09-21
[41] 2022-04-28
[30] US (17/082469) 2020-10-28

[21] **3,131,589**
[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) G06F 16/903 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AUGMENTED MEDIA**
[54] **SYSTEMES ET METHODES POUR FOURNIR DU CONTENU AUGMENTE**
[72] DELGADO, BYRON LEONEL, CA
[72] LEROUX, STEPHAN, CA
[72] BEAUCHAMP, DANIEL, CA
[71] SHOPIFY INC., CA
[22] 2021-09-22
[41] 2022-04-28
[30] US (17/082216) 2020-10-28
[30] EP (21173750.7) 2021-05-13

[21] **3,132,010**
[13] A1
[51] **Int.Cl. H04N 21/845 (2011.01) G08B 13/194 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCING A PRIVACY-PROTECTED VIDEO CLIP**
[54] **SYSTEMES ET METHODES POUR PRODUIRE UNE SEQUENCE VIDEO PROTEGEE**
[72] MATUSEK, FLORIAN, CA
[72] LACHANCE, FRANCIS, CA
[72] ZANKL, GEORG, CA
[72] MAYNARD, PHILIPPE, CA
[71] GENETEC INC., CA
[22] 2021-09-27
[41] 2022-04-26
[30] US (17/080,651) 2020-10-26

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[13] A1
[51] **Int.Cl. F24F 13/22 (2006.01) F24F 3/147 (2006.01) F24F 7/08 (2006.01) F24F 12/00 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **CONDENSER FOR VENTILATION SYSTEM**
[54] **CONDENSEUR POUR SYSTEME DE VENTILATION**
[72] MICHAUD, STEPHANE, CA
[72] VERMETTE, DANIC, CA
[71] BROAN-NUTONE LLC, US
[22] 2021-09-27
[41] 2022-04-27
[30] US (63/105,991) 2020-10-27
[30] US (17/481,445) 2021-09-22

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[51] **Int.Cl. E02F 9/26 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **GUIDANCE DISPLAY SYSTEM FOR WORK VEHICLES AND WORK IMPLEMENTS**
[54] **SYSTEME DE VISUALISATION DE GUIDAGE POUR LES VEHICULES ET LES APPAREILS DE TRAVAIL**
[72] KREILING, JEFFERY, R., US
[72] GONZALEZ, JUAN DANIEL, MX
[72] MARTINEZ, IGNACIO ALONSO, MX
[71] DEERE & COMPANY, US
[22] 2021-09-27
[41] 2022-04-29
[30] US (16/949,437) 2020-10-29

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[51] **Int.Cl. B60G 17/0195 (2006.01) B60G 17/015 (2006.01) B60P 1/43 (2006.01)**
[25] EN
[54] **INTEGRATED SYSTEMS FOR PASSENGER BUS**
[54] **SYSTEMES INTEGRES POUR LES AUTOBUS**
[72] MACPHERSON, ROBERT IAN, CA
[72] HEUCHERT, JAMES, CA
[72] KIT, JOHN, CA
[72] CYCHOWSKI, TOMASZ, CA
[72] BURCAR, KIRK, CA
[72] SHAH, FARAH, CA
[72] WESELOWSKI, MATTHEW, CA
[71] NEW FLYER INDUSTRIES CANADA ULC, CA
[22] 2021-09-22
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[51] **Int.Cl. G01F 11/20 (2006.01) A01C 7/06 (2006.01) A01C 7/20 (2006.01) G01F 11/24 (2006.01)**
[25] EN
[54] **REMOVABLE ROLLER WITH ROTATION INDICATOR**
[54] **ROULEAU AMOVIBLE COMPRENANT UN INDICATEUR DE ROTATION**
[72] HARMON, ANDREW, W., US
[71] DEERE & COMPANY, US
[22] 2021-09-28
[41] 2022-04-30
[30] US (17/085,829) 2020-10-30

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[13] A1
[51] **Int.Cl. B64F 5/00 (2017.01) B64D 45/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSMISSION OF ENGINE FAULT DATA**
[54] **SYSTEME ET METHODE POUR LA TRANSMISSION DE DONNEES SUR LES DEFAILLANCES DE MOTEUR**
[72] LEE, PETER, CA
[72] O'MALLEY, JOHN P., CA
[72] MOOD, JAMES E., CA
[72] FORTIN, FREDERIC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-09-29
[41] 2022-04-30
[30] US (17/085,887) 2020-10-30

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[51] **Int.Cl. G01D 3/032 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01) G01B 15/00 (2006.01) G01S 13/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FILTERING SENSOR SIGNAL INTERFERENCE DERIVING FROM POWERED COMPONENTS OF A HEADER**
[54] **SYSTEMES ET METHODES POUR FILTRER UNE INTERFERENCE DE SYSTEME DE CAPTEUR DERIVEE DE COMPOSANTES ALIMENTEES D'UN TABLIER**
[72] HUNT, CORY DOUGLAS, US
[72] MISSOTTEN, BART M.A., US
[72] MARTIN, JETHRO, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2021-10-05
[41] 2022-04-29
[30] US (17/083,734) 2020-10-29

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[51] **Int.Cl. A01D 57/03 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **RADAR-TRANSPARENT COMPONENTS FOR HEADERS OF AGRICULTURAL VEHICLES AND RELATED SYSTEMS**
[54] **COMPOSANTES PERMEABLES AU RADAR POUR LES TABLIERS DE VEHICULES AGRICOLES ET SYSTEMES CONNEXES**
[72] HUNT, CORY DOUGLAS, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2021-10-05
[41] 2022-04-29
[30] US (17/083,663) 2020-10-29

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[13] A1
[51] **Int.Cl. F24F 7/06 (2006.01) F24F 11/70 (2018.01) F24F 13/10 (2006.01)**
[25] EN
[54] **MULTI-PORT VENTILATION**
[54] **VENTILATION MULTIORIFICE**
[72] SINUR, RICHARD R., US
[72] REVERS, RYAN A., US
[71] BROAN-NUTONE LLC, US
[22] 2021-10-05
[41] 2022-04-27
[30] US (63/106,118) 2020-10-27
[30] US (17/487,403) 2021-09-28

[21] **3,133,505**
[13] A1
[51] **Int.Cl. H04W 4/40 (2018.01) G08G 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VEHICLE OPERATOR AND DISPATCHER INTERFACING**
[54] **SYSTEMES ET METHODES D'INTERFACE ENTRE LES OPERATEURS DE VEHICULE ET LES REPARTITEURS**
[72] ZHONG, YI, US
[72] SHAMASUNDAR, RAGHU, US
[72] LI, DAN, US
[72] RAJENDRAN, RAMKUMAR, US
[72] KHAN, KALIMULLA, US
[72] SIVADASAN, VISAKH, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2021-10-07
[41] 2022-04-28
[30] US (17/181149) 2021-02-22
[30] IN (202011047092) 2020-10-28

[21] **3,133,516**
[13] A1
[51] **Int.Cl. B61F 5/00 (2006.01) B61F 3/02 (2006.01)**
[25] EN
[54] **BOGIE FOR A RAIL VEHICLE AND RAIL VEHICLE WITH A BOGIE**
[54] **BOGIE POUR WAGON ET WAGON COMPRENANT UN BOGIE**
[72] MEIER, BRUNO, CH
[72] HOLTGREWE, ALEXANDER, DE
[71] STADLER RAIL AG, CH
[22] 2021-10-07
[41] 2022-04-27
[30] EP (20204171.1) 2020-10-27

[21] **3,133,677**
[13] A1
[51] **Int.Cl. B01D 45/12 (2006.01) B01D 21/26 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **SAND TRAPS FOR USE IN OIL AND GAS EXTRACTION OPERATIONS**
[54] **FOSSES DE SABLES POUR L'EXTRACTION DE PETROLE ET DE GAZ**
[72] MOORE, CODY STEVEN, US
[72] MYERS, JEREMY, US
[71] IDEAL COMPLETION SERVICES LLC, US
[22] 2021-10-08
[41] 2022-04-28
[30] US (63/106.768) 2020-10-28
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[25] EN
[54] **TRANSPORT SYSTEM, SET FOR ASSEMBLING A TRANSPORT SYSTEM, AND METHOD OF RETROFITTING A PLUG CONNECTOR IN A TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT, ENSEMBLE POUR ASSEMBLER UN SYSTEME DE TRANSPORT ET METHODE DE RECONFIGURATION D'UNE FICHE DANS UN SYSTEME DE TRANSPORT**
[72] UIHLEIN, TOBIAS, DE
[72] HARTMANN, FRANK, DE
[72] STOLLBERGER, MARTIN, DE
[72] MULLERSCHON, VOLKER, DE
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2021-10-08
[41] 2022-04-28
[30] EP (20306295.5) 2020-10-28

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[51] **Int.Cl. F16K 31/60 (2006.01) E03C 1/04 (2006.01) F16K 11/22 (2006.01)**
[25] EN
[54] **FAUCET HANDLE ASSEMBLY**
[54] **ASSEMBLAGE DE POIGNEE DE ROBINET**
[72] HAYES, GERALD ROBERT, US
[72] JOHNSON, BRIAN WAYNE, US
[71] DELTA FAUCET COMPANY, US
[22] 2021-10-13
[41] 2022-04-28
[30] US (63/106,594) 2020-10-28

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[51] **Int.Cl. A62B 3/00 (2006.01) B66F 15/00 (2006.01) H02J 7/00 (2006.01) H02K 7/116 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **PORTABLE ELECTRIC RESCUE TOOL**
[54] **OUTIL DE SAUVETAGE ELECTRIQUE PORTATIF**
[72] MCCARTHY, RYAN D., US
[72] MODICK, BRUCE R., US
[72] MCCARTHY, JOHN D., US
[72] BARRY, ROBERT J., US
[71] SNAP-ON INCORPORATED, US
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[41] 2022-04-26
[30] US (17/079,808) 2020-10-26

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[51] **Int.Cl. H02M 1/00 (2007.10) F03D 80/00 (2016.01) H02J 3/38 (2006.01) H02M 1/08 (2006.01) H02M 7/44 (2006.01) H02M 7/539 (2006.01)**
[25] EN
[54] **TOLERANCE-BAND FILTER FOR A FREQUENCY CHANGER**
[54] **FILTRE DE BANDE DE TOLERANCE POUR UN CONVERTISSEUR DE FREQUENCE**
[72] HEYEN, CHRISTIAN, DE
[72] BAKKER, MENKO, DE
[71] WOBBEN PROPERTIES GMBH, DE
[22] 2021-10-12
[41] 2022-04-27
[30] EP (20204138.0) 2020-10-27

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[51] **Int.Cl. H02J 3/16 (2006.01) F03D 80/00 (2016.01) H02H 1/04 (2006.01)**
[25] EN
[54] **DYNAMIC FRT BANDS FOR WIND POWER INSTALLATIONS**
[54] **BANDES ANTI-PANNES DYNAMIQUES POUR DES INSTALLATIONS EOLIENNES**
[72] BROMBACH, JOHANNES, DE
[72] MACKENSEN, INGO, DE
[72] BUSKER, KAI, DE
[72] EMANUEL, HANNA, DE
[71] WOBBEN PROPERTIES GMBH, DE
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[51] **Int.Cl. B60D 1/58 (2006.01)**
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[54] **NOISE DAMPENER FOR A VEHICLE HITCH**
[54] **ATTENUATEUR DE BRUIT POUR UNE ATTACHE DE REMORQUAGE DE VEHICULE**
[72] WAYE, MATTHEW, AU
[72] REIMERS, MATTHEW, AU
[72] LAM, HUEY, AU
[71] REES OPERATIONS PTY LTD, AU
[22] 2021-10-13
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[51] **Int.Cl. C08L 53/00 (2006.01) C08J 3/12 (2006.01) C08K 3/34 (2006.01) C08K 5/3435 (2006.01) C08L 23/10 (2006.01)**
[25] EN
[54] **THERMOPLASTIC POLYOLEFIN-BASED SLUSH POWDER COMPOSITIONS**
[54] **COMPOSITIONS DE POUDRE DE PUREE A BASE DE POLYOLEFINE THERMOPLASTIQUE**
[72] REDDY, MURALI MOHAN, CA
[72] FARRAR, GREGORY JAMES, CA
[71] CPK INTERIOR PRODUCTS INC., CA
[22] 2021-10-13
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[25] EN
[54] **STARTING METHODS FOR HYBRID-ELECTRIC AIRCRAFT**
[54] **METHODES DE DEMARRAGE POUR UN AERONEF ELECTRIQUE HYBRIDE**
[72] IMEL, PAUL C., US
[72] BERGERON, SEBASTIEN, CA
[72] PLAMONDON, ETIENNE, CA
[72] GOSSELIN-BRISSON, SAMUEL, CA
[72] GUERCHKOVITCH, LEONID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-10-14
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[25] EN
[54] **CARGO SECURING DEVICE, TONNEAU COVER SYSTEM, AND METHOD OF USE**
[54] **DISPOSITIF DE FIXATION DE MARCHANDISES, SYSTEME DE COUVRE-CAISSE ET METHODE D'UTILISATION**
[72] DELANEY, DANIEL JOHN, US
[72] FACCHINELLO, JEROME JAMES, US
[71] TECTUM HOLDINGS, INC., US
[22] 2021-10-15
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[51] **Int.Cl. A47J 36/06 (2006.01) A47J 27/00 (2006.01)**
[25] FR
[54] **REMOVABLE HEATING COVER**
[54] **COUVERCLE CHAUFFANT AMOVIBLE**
[72] WANG, RONGHAO, FR
[72] ALLEMAND, BERNARD, FR
[72] DUMOUX, PHILIPPE, FR
[71] SEB S.A., FR
[22] 2021-10-15
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[51] **Int.Cl. F42B 7/08 (2006.01)**
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[54] **WADDING SYSTEM**
[54] **SYSTEME DE BOURRE**
[72] FIOCCHI, COSTANTINO, IT
[71] FIOCCHI MUNIZIONI S.P.A., IT
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[25] EN
[54] **EDIBLE CELLULOSIC CASINGS AND COMPOSITIONS, AND METHODS OF FORMATION**
[54] **BOITIERS CELLULOSIQUES COMESTIBLES, COMPOSITIONS ET METHODES DE FABRICATION**
[72] MCGAREL, OWEN J., US
[72] NICHOLSON, MYRON D., US
[72] WILLIAMS, CHRIS L., US
[71] VISKASE COMPANIES, INC., US
[22] 2021-10-19
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[25] EN
[54] **WASH RING FOR CHEMICAL TANKS**
[54] **CERCEAU DE NETTOYAGE POUR RESERVOIRS DE PRODUITS CHIMIQUES**
[72] KEHN, PATRICK M., US
[71] SWIMC LLC, US
[22] 2021-10-20
[41] 2022-04-30
[30] US (63/198,625) 2020-10-30

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[51] **Int.Cl. F03D 80/80 (2016.01) F16H 57/025 (2012.01) F03D 15/00 (2016.01)**
[25] EN
[54] **A NACELLE FOR A WIND TURBINE**
[54] **NACELLE POUR EOLIENNE**
[72] VOLMER, MATTHIAS, DE
[71] GENERAL ELECTRIC RENOVABLES ESPANA S.L., ES
[22] 2021-10-20
[41] 2022-04-28
[30] EP (20204397.2) 2020-10-28

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[51] **Int.Cl. G16H 20/30 (2018.01) A61B 5/389 (2021.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIAGNOSIS AND TREATMENT OF SWALLOWING DISORDERS WITH GAMIFICATION**
[54] **SYSTEMES ET METHODES DE DIAGNOSTIC ET DE TRAITEMENT DE TROUBLES DE DEGLUTITION PAR LUDIFICATION**
[72] RIEGER, JANA MAUREEN, CA
[72] CONSTANTINESCU, GABRIELA, CA
[72] REDMOND, MARK JAMES, CA
[72] SCOTT, DYLAN KYLE, CA
[72] KING, BENJAMIN RONALD, CA
[72] FEDORAK, MARK VERNON, CA
[72] LUNDGREN, HERMAN, SE
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[71] COVENANT HEALTH, CA
[22] 2021-10-20
[41] 2022-04-30
[30] US (17/086,113) 2020-10-30

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[51] **Int.Cl. H04R 1/22 (2006.01) H04R 1/40 (2006.01)**
[25] EN
[54] **QUIET FLIGHT DECK COMMUNICATION USING ULTRASONIC PHASED ARRAY**
[54] **COMMUNICATION DE PONT D'ENVOL SILENCIEUSE AU MOYEN D'UNE ANTENNE RESEAU A COMMANDE DE PHASE ULTRASONIQUE**
[72] BOHANAN, SCOTT, US
[72] WANG, TONGAN, US
[72] JORDAN, JIM, US
[71] GULFSTREAM AEROSPACE CORPORATION, US
[22] 2021-10-22
[41] 2022-04-28
[30] US (17/082,858) 2020-10-28

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[51] **Int.Cl. A01G 25/09 (2006.01)**
[25] EN
[54] **FIBER COMPOSITE TRUSS PANEL SPRAY BOOM**
[54] **RAMPE DE PULVERISATION A PANNEAU DE FERME COMPOSITE FIBRE**
[72] BARTLETT, THOMAS G., US
[72] BOLZANI, MAURO, ES
[72] FERREE, PHILIP E., US
[72] PRECIADO, IBAN GOMEZ, ES
[72] GOMEZ, CARLOS VILLALBA, ES
[72] RANDLE, JOAQUIN, ES
[72] GONZALEZ, VICTOR HERRAIZ, ES
[71] DEERE & COMPANY, US
[22] 2021-10-21
[41] 2022-04-30
[30] EP (20382946) 2020-10-30

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[51] **Int.Cl. F17C 7/00 (2006.01) B67D 7/04 (2010.01) F17C 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FORMING AND DISPENSING A COMPRESSED GAS**
[54] **METHODE ET SYSTEME POUR FORMER ET DISTRIBUER UN GAZ COMPRIME**
[72] CACCIAPALLE, MICHAEL, US
[72] COHEN, JOSEPH P., US
[72] CHALK, DAVID JONATHAN, US
[72] FARESE, DAVID JOHN, US
[72] KYVELOS, ANTHONY R., US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
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[41] 2022-04-28
[30] US (17/082,067) 2020-10-28

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[51] **Int.Cl. H01H 9/02 (2006.01) H01H 89/00 (2006.01) H02B 7/00 (2006.01) H02H 9/04 (2006.01)**
[25] EN
[54] **INTEGRATED SWITCHGEAR ASSEMBLY**
[54] **ASSEMBLAGE DE COMMUTATION INTEGRE**
[72] NAULT, BRIAN STEPHEN, US
[72] MAREC, VINCENT, US
[72] DAUKSAS, ARTURAS, US
[71] G & W ELECTRIC COMPANY, US
[22] 2021-10-22
[41] 2022-04-26
[30] US (63/105,705) 2020-10-26

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[51] **Int.Cl. B66D 1/80 (2006.01) A01K 1/01 (2006.01) A47L 11/24 (2006.01) B66D 1/50 (2006.01) B66F 19/00 (2006.01) A01K 31/04 (2006.01)**
[25] EN
[54] **AUTOMATIC TENSIONING APPARATUS AND METHOD OF USE**
[54] **APPAREIL DE TENSIONNEMENT AUTOMATIQUE ET METHODE D'UTILISATION**
[72] BEDORD, BRADLEY J., US
[72] CARNCROSS, MICHAEL J., US
[71] PATZ CORPORATION, US
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[41] 2022-04-26
[30] US (17/451,851) 2021-10-22
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[25] EN
[54] **GRADING TOOLS**
[54] **OUTILS DE TALUTAGE**
[72] CONTE, MASSIMO, CA
[72] CONTE, ANGELO, CA
[71] CONTE, MASSIMO, CA
[71] CONTE, ANGELO, CA
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[41] 2022-04-26
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[51] **Int.Cl. E04H 13/00 (2006.01)**
[25] EN
[54] **CONCRETE MONUMENT FORMING**
[54] **FORMATION DE MONUMENT EN BETON**
[72] MEEKS, EDDIE ALEXANDER, US
[71] JORDAN, ROBERT B. IV, US
[71] MEEKS, EDDIE ALEXANDER, US
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[51] **Int.Cl. F28F 13/06 (2006.01) F25B 39/00 (2006.01) F28F 1/42 (2006.01) F28F 13/14 (2006.01)**
[25] EN
[54] **HEAT TRANSFER TUBE FOR HEAT PUMP APPLICATION**
[54] **TUBE DE TRANSFERT THERMIQUE POUR UNE APPLICATION DANS UNE THERMOPOMPE**
[72] LEFFLER, ROBERT A., US
[72] VISALLI, THOMAS, US
[72] AVILA, LUIS F., US
[72] BRYANT, THOMAS, US
[72] DOUGLAS, DUANE V., US
[72] WILSON, RON A., US
[72] SULLIVAN, LOUIS J., US
[71] CARRIER CORPORATION, US
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[51] **Int.Cl. F02C 1/04 (2006.01) B64D 27/00 (2006.01) F01C 11/00 (2006.01) F02C 1/10 (2006.01) F02C 5/00 (2006.01) F02C 6/12 (2006.01) F02K 5/00 (2006.01)**
[25] EN
[54] **AIRCRAFT POWER PLANT WITH SUPERCRITICAL CO2 HEAT ENGINE**
[54] **GROUPE MOTOPROPULSEUR D'AERONEF AVEC MOTEUR THERMIQUE AU CO2 SUPERCRITIQUE**
[72] THOMASSIN, JEAN, CA
[72] DUSSAULT, SERGE, CA
[72] STAUBACH, JOSEPH BRENT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-10-25
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[51] **Int.Cl. G06Q 50/28 (2012.01)**
[25] EN
[54] **ORGANIZATION OF SCRIPT PACKAGING SEQUENCE AND PACKAGING SYSTEM SELECTION FOR DRUG PRODUCTS USING AN ARTIFICIAL INTELLIGENCE ENGINE**
[54] **ORGANISATION D'UNE SEQUENCE D'EMBALLAGE A SCRIPTS ET SELECTION D'UN SYSTEME D'EMBALLAGE POUR DES PRODUITS PHARMACEUTIQUES AU MOYEN D'UN MOTEUR D'INTELLIGENCE ARTIFICIELLE**
[72] BLALOCK, COLLIN D., US
[72] ECKERT, RICHARD, US
[72] MAY, JENNA, US
[72] POTOCHNIAK, DAVID A., US
[72] SAAD, PETER ANWAR, US
[72] SWANSON, ARTHUR F., US
[71] PARATA SYSTEMS, LLC, US
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[51] **Int.Cl. G06K 19/077 (2006.01)**
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[54] **PROCEDE DE FABRICATION D'UN MODULE DE CARTE A PUCE AVEC COMPOSANT ELECTRONIQUE SOUDE**
[54] **PROCESS FOR MANUFACTURING A CHIP CARD MODULE WITH WELDED ELECTRONIC COMPONENT**
[72] MATHIEU, CHRISTOPHE, FR
[72] GIMBERT, GUILLAUME, FR
[71] LINXENS HOLDING, FR
[22] 2021-10-26
[41] 2022-04-30
[30] FR (FR2011177) 2020-10-30

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[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO PROVIDE VISUAL ASSISTANCE FOR SELECTION OF WELDING PARAMETERS**
[54] **SYSTEMES ET METHODES POUR FOURNIR UNE AIDE VISUELLE POUR LA SELECTION DE PARAMETRES DE SOUDAGE**
[72] PFALLER, ANDREW, US
[72] ROZMARYNOWSKI, SCOTT, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-10-23
[41] 2022-04-28
[30] US (63/106,658) 2020-10-28
[30] US (17/507,425) 2021-10-21

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[13] A1
[51] **Int.Cl. A63C 17/01 (2006.01) A63C 17/02 (2006.01)**
[25] EN
[54] **SKATEBOARD TRUCK WITH INVERTED KING PIN AND INTEGRATED KINGPIN FASTENER**
[54] **BOGIE DE PLANCHE A ROULETTES AVEC PIVOT INVERSE ET ATTACHE A PIVOT INTEGREE**
[72] PIUMARTA, TIMOTHY CHARLES, US
[71] NHS, INC., US
[22] 2021-10-26
[41] 2022-04-26
[30] US (63/105,530) 2020-10-26
[30] US (17/158,393) 2021-01-26

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[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01) B25J 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING AN AMUSEMENT PARK AND AMUSEMENT PARK**
[54] **METHODE D'EXPLOITATION D'UN PARC D'ATTRACTIONS ET PARC D'ATTRACTIONS**
[72] ROESER, MAXIMILIAN, DE
[71] MACK RIDES GMBH & CO. KG, DE
[22] 2021-10-26
[41] 2022-04-28
[30] EP (10 2020 128 395.4) 2020-10-28

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[13] A1
[51] **Int.Cl. B23K 9/095 (2006.01)**
[25] EN
[54] **TRACKING WELDING TORCHES USING RETRACTABLE CORDS**
[54] **SUIVI DE CHALUMEAUX SOUDEURS AU MOYEN DE CORDONS ESCAMOTABLES**
[72] BECKER, WILLIAM JOSHUA, US
[72] RAPPL, JAMES FRANCIS, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-10-26
[41] 2022-04-28
[30] US (63/106,424) 2020-10-28
[30] US (17/508,588) 2021-10-22

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING INDICATORS DERIVED FROM SIMULATED PROJECTIONS INCORPORATING FINANCIAL GOALS**
[54] **SYSTEME ET METHODE DE GENERATION D'INDICATEURS DERIVES DE PROJECTIONS SIMULEES INTEGRANT DES OBJECTIFS FINANCIERS**
[72] FAUCHER-COURCHESNE, CHRISTOPHE, CA
[72] GANDRABUR, SIMONA, CA
[72] LAROCHE, PIERRE, CA
[72] MONCHAMP, BRYAN, CA
[72] NAJI, NADA, CA
[72] RIEGER, CHELSEY, CA
[72] SAVOIE, ERIC-OLIVIER, CA
[72] YELLE, KARINE, CA
[72] MILLER, ROGER, CA
[71] BANQUE NATIONALE DU CANADA, CA
[22] 2021-10-27
[41] 2022-04-28
[30] US (63/106,609) 2020-10-28
[30] US (63/151,967) 2021-02-22

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[13] A1
[51] **Int.Cl. C07D 311/72 (2006.01) C07D 407/12 (2006.01)**
[25] EN
[54] **LABILE AND COHERENT REDOX-SILENT ANALOGUES FOR VITAMIN E ENHANCEMENT**
[54] **ANALOGUES REDOX SILENCIEUX LABILES ET COHERENTS POUR L'ENRICHISSEMENT DE VITAMINE E**
[72] WIEBE, LEONARD, CA
[72] EU, PETER, AU
[72] YAO, JOHN, CA
[71] HERMAY LABS CORPORATION, CA
[22] 2021-10-27
[41] 2022-04-28
[30] US (63/106,576) 2020-10-28

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 8/30 (2018.01)**
[25] EN
[54] **CODE GENERATION FOR DEPLOYMENT OF A MACHINE LEARNING MODEL**
[54] **GENERATION DE CODE POUR LE DEPLOIEMENT D'UN MODELE D'APPRENTISSAGE AUTOMATIQUE**
[72] ZHANG, YU, US
[72] GUHA, ANSHUMAN, US
[72] MOORE, KYLE, US
[72] MOD, ANIMESH, US
[72] BJORGOLFSSON, CHRISTOPHER, US
[72] HUANG, WENYAN, US
[72] LAM, LOK YI, US
[71] CAPITAL ONE SERVICES, LLC, US
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[41] 2022-04-28
[30] US (17/082653) 2020-10-28

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[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR INCREASING DOWNWARD FORCE EXERTED ON THE AFT END OF A MOTOR VEHICLE**
[54] **SYSTEME ET APPAREIL POUR ACCROITRE LA FORCE VERS LE BAS EXERCEE SUR L'EXTREMITE ARRIERE D'UN VEHICULE MOTEUR**
[72] THOMAS, BRANDON, US
[72] PROBST, JOHN, US
[72] JACUZZI, ERIC, US
[72] POPIELA, CHRISTOPHER A., US
[72] MURPHY, TIMOTHY S., US
[72] KRUEGER, DONALD E., US
[72] PIGNACCA, LUCA, US
[72] TIMMERMANS, ALEX, US
[71] NATIONAL ASSOCIATION FOR STOCK CAR AUTO RACING, LLC, US
[22] 2021-10-27
[41] 2022-04-28
[30] US (17/082,514) 2020-10-28

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[13] A1
[51] **Int.Cl. B29C 45/23 (2006.01)**
[25] EN
[54] **VALVE PIN PLATE INJECTION MOLDING APPARATUS**
[54] **APPAREIL DE MOULAGE PAR INJECTION A PLAQUE DE GOUPILLE DE SOUPAPE**
[72] TABASSI, PAYMAN, CA
[71] MOLD-MASTERS (2007) LIMITED, CA
[22] 2021-10-26
[41] 2022-04-27
[30] US (63/106,112) 2020-10-27

[21] **3,136,021**
[13] A1
[51] **Int.Cl. G06F 11/34 (2006.01) G06F 16/90 (2019.01)**
[25] EN
[54] **LOG STORAGE METHOD AND DEVICE AND COMPUTER SYSTEM**
[54] **METHODE ET DISPOSITIF DE STOCKAGE DE REGISTRES ET SYSTEME INFORMATIQUE**
[72] GENG, ZHILIANG, CN
[72] BAO, YUXUE, CN
[72] CHEN, XU, CN
[72] XU, XIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-27
[41] 2022-04-27
[30] CN (202011159844.2) 2020-10-27

[21] **3,136,031**
[13] A1
[51] **Int.Cl. G02B 6/46 (2006.01) G02B 6/36 (2006.01) H01R 13/74 (2006.01) H02G 3/00 (2006.01)**
[25] EN
[54] **A HYBRID OPTICAL POWER DISTRIBUTION BOX**
[54] **BOITIER DE DISTRIBUTION ELECTRIQUE OPTIQUE HYBRIDE**
[72] PADDICK, NATHAN, IT
[72] ROBERTS, KRIS JONATHAN, IT
[71] PRYSMIAN S.P.A., IT
[22] 2021-10-26
[41] 2022-04-28
[30] IT (102020000025582) 2020-10-28

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[13] A1
[51] **Int.Cl. G06F 16/93 (2019.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **ONLINE DOCUMENT SUBMISSION METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE PRESENTATION DE DOCUMENT EN LIGNE, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] QIAN, WEI, CN
[72] WANG, GANG, CN
[72] XU, HENG, CN
[72] TANG, DONG, CN
[72] YANG, GUANGLIANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-26
[41] 2022-04-26
[30] CN (202011156706.9) 2020-10-26

[21] **3,136,048**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **FILTER MASK**
[54] **MASQUE FILTRANT**
[72] ZHANG, MING, CA
[72] ALLEN, NICK, CA
[72] LIU, CUIXIAN, CA
[71] ACRP LIMITED, CA
[22] 2021-10-26
[41] 2022-04-27
[30] US (63/106205) 2020-10-27

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **REPLENISHMENT DATA PROCESSING METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE TRAITEMENT DES DONNEES DE REAPPROVISIONNEMENT, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] QIU, MINGMIAO, CN
[72] XU, LEI, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-26
[41] 2022-04-26
[30] CN (202011155913.2) 2020-10-26

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[51] **Int.Cl. H05B 45/345 (2020.01) H02J 50/10 (2016.01) H05B 45/20 (2020.01) H05B 45/40 (2020.01) H05B 47/19 (2020.01) A01G 9/20 (2006.01)**
[25] EN
[54] **APPARATUS HAVING AT LEAST ONE LED STRING CONTROLLED BY A CURRENT CONTROLLER BIASED BY VOLTAGE-TAP NODES IN THE LED STRING**
[54] **APPAREIL AYANT AU MOINS UNE BANDE A DEL CONTROLEE PAR UN CONTROLEUR DE COURANT SOLLICITE PAR DES NOEUDS DE RHEOSTAT DE TENSION DANS LA BANDE A DEL**
[72] WILLIAMS, JONATHAN, US
[72] GARCIA, JOSE, US
[72] IYER, GURUPRAKASH, US
[71] FLUENCE BIOENGINEERING, INC., US
[22] 2021-10-26
[41] 2022-04-26
[30] US (17/079,774) 2020-10-26

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[13] A1
[51] **Int.Cl. B65D 51/24 (2006.01) B65D 55/00 (2006.01) B65D 81/36 (2006.01) G09F 3/08 (2006.01)**
[25] EN
[54] **REMOVABLE MAGNETIC LID FOR A CONTAINER**
[54] **COUVERCLE MAGNETIQUE AMOVIBLE POUR UN CONTENANT**
[72] WENDELKEN, TERRENCE H., US
[71] WENDELKEN, TERRENCE H., US
[22] 2021-10-27
[41] 2022-04-29
[30] US (17/083,577) 2020-10-29

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[13] A1
[51] **Int.Cl. B25J 9/00 (2006.01) B64F 5/40 (2017.01) B64F 5/60 (2017.01) B25J 5/00 (2006.01) F02C 7/00 (2006.01) F16N 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF SERVICING EQUIPMENT**
[54] **SYSTEMES ET METHODES D'ENTRETIEN D'EQUIPEMENT**
[72] GRAHAM, ANDREW CRISPIN, US
[72] DIWINSKY, DAVID SCOTT, US
[72] PRITCHARD, BYRON ANDREW, JR., US
[71] GENERAL ELECTRIC COMPANY, US
[71] OLIVER CRISPIN ROBOTICS LIMITED, GB
[22] 2021-10-27
[41] 2022-04-29
[30] US (17/083,718) 2020-10-29

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[13] A1
[51] **Int.Cl. F16H 25/24 (2006.01) F16D 55/00 (2006.01) F16D 59/00 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL ACTUATOR WITH NO-BACK SYSTEM**
[54] **ACTIONNEUR ELECTROMECANIQUE COMPRENANT UN SYSTEME D'IRREVERSIBILITE**
[72] KULKARNI, NIKHIL MAHESH, IN
[72] CURTIS, TYLER QUINCEY, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2021-10-27
[41] 2022-04-27
[30] IN (202011046739) 2020-10-27

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[13] A1
[51] **Int.Cl. G09F 7/00 (2006.01) B64F 1/36 (2017.01) G09F 13/04 (2006.01)**
[25] EN
[54] **INTERIOR UPRIGHT FOR RUNWAY GUIDANCE SIGN**
[54] **MONTANT INTERIEUR POUR UN SIGNE DE GUIDAGE DE PISTE**
[72] AHIRE, MOHAN, IN
[72] MARNE, ISHWARI RAMESH, IN
[72] KHALKAR, AMOL ANIL, IN
[72] THORAT, HEMRAJ, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2021-10-27
[41] 2022-04-27
[30] US (63/106,234) 2020-10-27

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[13] A1
[51] **Int.Cl. B23B 31/00 (2006.01) B23Q 3/12 (2006.01)**
[25] EN
[54] **POWER DRIVE ADAPTER TOOL**
[54] **OUTIL D'ADAPTATEUR DE COMMANDE MECANIQUE**
[72] DEL ROSSA, JEFFREY, US
[71] DEL ROSSA, JEFFREY, US
[22] 2021-10-27
[41] 2022-04-29
[30] US (63107165) 2020-10-29

[21] **3,136,206**
[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **BIOPSY SYSTEM WITH A CORE COLLECTOR THAT REMAINS RADIALLY CENTERED IN AN OUTER CANNULA WHILE SEVERING A TISSUE SAMPLE**
[54] **SYSTEME DE BIOPSIE COMPRENANT UN COLLECTEUR DE FORAGE QUI RESTE CENTRE SUR LE PLAN RADIAL DANS UNE CANULE EXTERNE EN COUPANT UN ECHANTILLON DE TISSU**
[72] RACKERS, KEVIN, US
[72] ALLRED, PHILIP, US
[72] SNOKE, JACK, US
[72] DECKMAN, ROB, US
[72] BELLEZA, TED, US
[72] DENES, BELA, US
[71] URO-1, INC., US
[22] 2021-10-27
[41] 2022-04-28
[30] US (17/082,387) 2020-10-28

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[13] A1
[51] **Int.Cl. H04N 21/233 (2011.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR AUGMENTING AUDIO CONTENT**
[54] **METHODES ET SYSTEMES D'AUGMENTATION DE CONTENU SONORE**
[72] YOUNESSIAN, EHSAN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-10-27
[41] 2022-04-28
[30] US (17/082,866) 2020-10-28

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[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60F 5/00 (2006.01)**
[25] EN
[54] **OFF-ROAD VEHICLE HAVING A CARGO BOX WITH SIDE STORAGE SPACE**
[54] **VEHICULE HORS ROUTE AYANT UNE CAISSE A MARCHANDISES COMPRENANT UN ESPACE DE RANGEMENT LATERAL**
[72] VEILLETTE, STEPHANE, CA
[72] DUBOIS, DIDIER, CA
[72] KRUCKO, IGOR, CA
[72] CREPEAU, JEAN-PHILIPPE, CA
[72] COTNOIR, THIERRY, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2021-10-28
[41] 2022-04-30
[30] US (63/107,524) 2020-10-30

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[13] A1
[51] **Int.Cl. E04D 13/076 (2006.01)**
[25] EN
[54] **GUTTER ASSEMBLY AND COVER**
[54] **ASSEMBLAGE ET COUVERCLE DE GOUTTIERE**
[72] BROCHU, STEPHANE, CA
[71] BROCHU, STEPHANE, CA
[22] 2021-10-28
[41] 2022-04-29
[30] US (63/107.169) 2020-10-29

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[13] A1
[51] **Int.Cl. D06N 5/00 (2006.01) C03C 25/26 (2018.01) C03C 25/50 (2006.01) E04D 1/16 (2006.01)**
[25] EN
[54] **LOW PENETRATION POINT ASPHALT REINFORCED GLASS MAT AND ARTICLES INCLUDING THE SAME**
[54] **TAPIS DE VERRE RENFORCE D'ASPHALTE A FAIBLE POINT DE PENETRATION ET ARTICLES LE COMPRENANT**
[72] SHIAO, MING-LIANG, US
[72] SVEC, JIM, US
[72] LEE, BRIAN, US
[71] BMIC LLC, US
[22] 2021-10-27
[41] 2022-04-27
[30] US (63/106109) 2020-10-27

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[13] A1
[51] **Int.Cl. E06B 3/667 (2006.01) E06B 3/673 (2006.01)**
[25] EN
[54] **SPACER FRAME JOINER CLIP AND METHOD OF USE**
[54] **PINCE DE RACCORD DE CADRE D'ECARTEMENT ET METHODE D'UTILISATION**
[72] BRIESE, WILLIAM A., US
[72] GRISMER, JOHN, US
[71] GED INTEGRATED SOLUTIONS, INC., US
[22] 2021-10-28
[41] 2022-04-28
[30] US (63/106,504) 2020-10-28

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[13] A1
[51] **Int.Cl. H04L 67/53 (2022.01) G06Q 30/02 (2012.01) H04L 67/52 (2022.01)**
[25] EN
[54] **SERVICE DISPATCHING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE REPARTITION DE SERVICES**
[72] BOUSSOUYAN, RAZMIG, CA
[71] SALUBRITE NET 2 GO INC., CA
[22] 2021-10-28
[41] 2022-04-28
[30] US (63/106,461) 2020-10-28

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[21] **3,136,473**
[13] A1
[51] **Int.Cl. G06V 40/18 (2022.01) A61B 5/1171 (2016.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTION OF WEIGHTED CONTACT LENSES IMPRINTED WITH IRIS IMAGES**
[54] **METHODE ET SYSTEME DE DETECTION DE VERRES DE CONTACT PESES IMPRIMES D'IMAGES D'IRIS**
[72] ACKERMAN, DAVID ALAN, US
[71] PRINCETON IDENTITY, US
[22] 2021-10-28
[41] 2022-04-29
[30] US (63/106,931) 2020-10-29

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[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **INVERTED SHROUD FOR STEAM ASSISTED GRAVITY DRAINAGE SYSYEM**
[54] **COUVERCLE DE PROTECTION INVERSE POUR UN SYSTEME DE DRAINAGE PAR GRAVITE AU MOYEN DE VAPEUR**
[72] EHMAN, KYLE ROBERT, US
[71] CONOCOPHILLIPS COMPANY, US
[22] 2021-10-28
[41] 2022-04-30
[30] US (63/108,018) 2020-10-30

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[13] A1
[51] **Int.Cl. F23L 5/00 (2006.01) F23C 1/00 (2006.01) F23D 14/46 (2006.01)**
[25] EN
[54] **SWIMMING POOL/SPA GAS HEATER INLET MIXER SYSTEM AND ASSOCIATED METHODS**
[54] **SYSTEME DE MELANGEUR INTEGRE DE RECHAUFFEUR DE PISCINE/SPA A GAZ ET METHODES CONNEXES**
[72] ROY, WILLIAM JULIAN, US
[72] CORN, BENJAMIN ISAAC, US
[71] HAYWARD INDUSTRIES, INC., US
[22] 2021-10-28
[41] 2022-04-29
[30] US (63/107,380) 2020-10-29
[30] US (17/490,917) 2021-09-30

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[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **VEHICLE CONTAINER STRUCTURE AND ALL-TERRAIN VEHICLE**
[54] **STRUCTURE DE CONTENANT DE VEHICULE ET VEHICULE TOUT-TERRAIN**
[72] WANG, MINGYONG, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2021-10-28
[41] 2022-04-28
[30] CN (202022442395.4) 2020-10-28

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[13] A1
[51] **Int.Cl. C11D 17/00 (2006.01) A61L 2/23 (2006.01) C11D 1/00 (2006.01) C11D 3/10 (2006.01) C11D 3/20 (2006.01) C11D 3/48 (2006.01)**
[25] EN
[54] **STABLE ANHYDROUS DISINFECTANT CONCENTRATE FORMULATION AND METHOD OF MAKING THE SAME**
[54] **FORMULATION DE CONCENTRE DE DESINFECTANT ANHYDRE STABLE ET METHODE DE PRODUCTION**
[72] NAQVI, SYED HUMZA, US
[72] HAREWOOD, PATRICK SHANE, US
[71] ONE HOME BRANDS, INC., US
[22] 2021-10-28
[41] 2022-04-29
[30] US (63/106,998) 2020-10-29

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[13] A1
[51] **Int.Cl. H04L 41/0806 (2022.01) B60R 25/24 (2013.01) H04W 4/50 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM TO REMOTELY FLASH EXTERNAL MODULE USING A COMMUNICATION HUB**
[54] **METHODE ET SYSTEME POUR PROJETER A DISTANCE UN MODULE EXTERNE AU MOYEN D'UN POSTE D'ACCUEIL DE COMMUNICATION**
[72] BOULAIS, SEBASTIEN, CA
[72] VERVILLE, GUILLAUME, CA
[72] DINEL, MATHIEU, CA
[71] AUTOMOTIVE DATA SOLUTIONS INC., CA
[22] 2021-10-28
[41] 2022-04-28
[30] US (17/509,414) 2021-10-25
[30] US (63/106,757) 2020-10-28

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[13] A1
[51] **Int.Cl. H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY PACK WITH TEMPERATURE LIMITED CURRENT**
[54] **BLOC-BATTERIE A COURANT LIMITE PAR LA TEMPERATURE**
[72] HINES, COLIN, US
[72] BRUTUS, CLAYTON, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-10-28
[41] 2022-04-30
[30] US (17/084,982) 2020-10-30

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[13] A1
[51] **Int.Cl. H04H 20/86 (2009.01)**
[25] EN
[54] **NARROWCASTING TO ONE-WAY SET TOP BOXES**
[54] **DIFFUSION CIBLEE POUR LA CONFIGURATION A SENS UNIQUE DE BOITIERS DECODEURS**
[72] MOSCIRELLA, STEVEN J., US
[72] MACK, ROBERT, US
[72] LABOULIERE, MICHAEL, US
[72] GAHMAN, ROGER, US
[71] ARRIS ENTERPRISES LLC, US
[22] 2021-10-29
[41] 2022-04-30
[30] US (63/107,649) 2020-10-30

[21] **3,136,894**
[13] A1
[51] **Int.Cl. E05D 7/00 (2006.01)**
[25] EN
[54] **RECESSED FENESTRATION HINGE ASSEMBLY AND METHOD FOR SAME**
[54] **ASSEMBLAGE DE CHARNIERE DE FENETRAGE ENCASTREE ET PROCEDE CONNEXE**
[72] WOODWARD, BRADLEY DAVID, US
[72] KOCH, KYLE C., US
[72] VOORHEES, CHASE, US
[71] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2021-10-29
[41] 2022-04-30
[30] US (63/108,083) 2020-10-30

[21] **3,136,902**
[13] A1
[51] **Int.Cl. G01D 21/02 (2006.01) H04W 4/38 (2018.01) G16Y 40/10 (2020.01) A47K 3/00 (2006.01) E03C 1/02 (2006.01) G01K 1/024 (2021.01) G01F 15/061 (2022.01)**
[25] EN
[54] **SMART SHOWER SENSOR**
[54] **CAPTEUR DE DOUCHE INTELLIGENT**
[72] BOYER, BRADLEY E., US
[72] WALES, JOSHUA DREW, US
[72] SICKLER, NATHAN, US
[72] DAVIDSON, KYLE ROBERT, US
[71] DELTA FAUCET COMPANY, US
[22] 2021-10-29
[41] 2022-04-29
[30] US (63/107,192) 2020-10-29

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[13] A1
[51] **Int.Cl. H04W 4/40 (2018.01) H04W 4/38 (2018.01)**
[25] EN
[54] **VEHICULAR SERVICE REQUEST-DATA LOGGING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE CONSIGNATION DE DONNEES RELATIVES A DES DEMANDES DE SERVICE VEHICULAIRE**
[72] SAVENOK, ALEXANDER, US
[71] SAVENOK, ALEXANDER, US
[22] 2021-10-29
[41] 2022-04-29
[30] US (63/107,288) 2020-10-29

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) G06T 7/70 (2017.01) G06V 20/56 (2022.01) B60W 30/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SIMULTANEOUS LOCALIZATION AND MAPPING USING ASYNCHRONOUS MULTI-VIEW CAMERAS**
[54] **SYSTEMES ET METHODES DE LOCALISATION ET DE CARTOGRAPHIE EN SIMULTANE AU MOYEN DE CAMERAS A ANGLES MULTIPLES ASYNCHRONES**
[72] YANG, ANQI JOYCE, US
[72] CUI, CAN, US
[72] BARSAN, IOAN ANDREI, US
[72] WANG, SHENLONG, US
[72] URTASUN, RAQUEL, US
[71] UATC, LLC, US
[22] 2021-10-29
[41] 2022-04-30
[30] US (63/107,806) 2020-10-30

[21] **3,136,910**
[13] A1
[51] **Int.Cl. B62D 33/027 (2006.01) B60J 5/04 (2006.01) B62D 25/24 (2006.01)**
[25] EN
[54] **BED SIDEGATE**
[54] **PORTE LATERALE DE CAISSE**
[72] HORNER, ROBERT M., US
[72] ERICKSON, LARRY R., US
[72] SICHERMAN, ANDREW E., US
[72] SPAGNUOLO, MICHAEL S., US
[72] DEMAROIS, PETER G., US
[72] STALEY, BRIAN, US
[71] MAGNA EXTERIORS INC., CA
[22] 2021-10-29
[41] 2022-04-30
[30] US (17/365,648) 2021-07-01
[30] US (63/160,438) 2021-03-12
[30] US (63/107,904) 2020-10-30

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[13] A1
[51] **Int.Cl. F21K 9/00 (2016.01) F21V 17/06 (2006.01) H05B 45/30 (2020.01)**
[25] EN
[54] **MOUNTING BRACKET**
[54] **SUPPORT DE MONTAGE**
[72] RADE, ANZAR, IN
[72] MATHEW, ANKITA, IN
[72] PANDEY, PRINCE KUMAR, IN
[72] DESAI, JAYRAM SHIVAJIRAO, IN
[72] KHOKLE, HIMANSHU GANGADHAR, IN
[72] HENDERSON, LEWIS T., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2021-10-29
[41] 2022-04-30
[30] US (63/107544) 2020-10-30

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[13] A1
[51] **Int.Cl. H01B 7/32 (2006.01) G01B 11/24 (2006.01) H01B 7/14 (2006.01) H01B 9/00 (2006.01) H01B 13/00 (2006.01)**
[25] EN
[54] **SUBMARINE POWER CABLE WITH CURVATURE MONITORING CAPABILITY**
[54] **CABLE D'ALIMENTATION SOUS-MARIN AVEC CAPACITE DE SURVEILLANCE DE LA COURBURE**
[72] TYRBERG, ANDREAS, SE
[72] HOLMBERG, PATRIK, SE
[72] ALTHINI, PETRUS, SE
[71] NKT HV CABLES AB, SE
[22] 2021-10-29
[41] 2022-04-29
[30] EP (20204571.2) 2020-10-29

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[13] A1
[51] **Int.Cl. B05B 9/04 (2006.01) B05B 15/20 (2018.01) B05B 15/30 (2018.01) B05B 12/00 (2018.01)**
[25] EN
[54] **PORTABLE SPRAYER SYSTEMS AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **SYSTEMES DE PULVERISATEUR PORTATIF ET METHODES DE FABRICATION ET D'UTILISATION**
[72] HARDY, MICHAEL, US
[72] BITONDO, STEVE, US
[71] DIVERSITECH CORPORATION, US
[22] 2021-10-29
[41] 2022-04-30
[30] US (17/084,813) 2020-10-30

[21] **3,136,973**
[13] A1
[51] **Int.Cl. F15B 21/14 (2006.01) F15B 15/04 (2006.01) F15B 15/20 (2006.01)**
[25] EN
[54] **HYDRAULIC CIRCUIT INCLUDING HYDRAULIC DECOMPRESSION ENERGY RECLAMATION**
[54] **CIRCUIT HYDRAULIQUE COMPRENANT LA RECUPERATION D'ENERGIE DE DECOMPRESSION HYDRAULIQUE**
[72] DIEHL, JIM, US
[72] GERHARD, OLIVER, DE
[72] KNOELL, REINER, DE
[72] GERNGROSS, ROYCE, US
[71] ROBERT BOSCH GMBH, DE
[22] 2021-10-29
[41] 2022-04-30
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[54] **IMAGE AMBIANCE COLOR DETERMINATION METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE DETERMINATION DE LA COULEUR D'AMBIANCE D'IMAGE, DISPOSITIF, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LI, JIANG, CN
[72] CHEN, XUEYAN, CN
[72] QIAN, CHENHUI, CN
[72] ZHU, ENCAO, CN
[71] 10353744 CANADA LTD., CA
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[54] **SYSTEM AND METHOD FOR CONNECTING MEMBERS**
[54] **SYSTEME ET METHODE DE RACCORD D'ELEMENTS**
[72] GOSLING, STEPHEN, US
[72] WILLIAMSON, DAVID A., US
[71] CHEER PACK NORTH AMERICA, US
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[54] **A HUMAN BODY KEY POINT DETECTION METHOD, APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **METHODE DE DETECTION DE POINT PRINCIPAL D'UN CORPS HUMAIN, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] XU, ZHAOKUN, CN
[72] LI, YUNXI, CN
[72] JI, HUAIYUAN, CN
[71] 10353744 CANADA LTD., CA
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[54] **A PEDESTRIAN RE-IDENTIFICATION FOR DATABASE CONSTRUCTION METHOD, APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **METHODE DE REIDENTIFICATION POUR LA CREATION D'UNE BASE DE DONNEES, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] DONG, YUQING, CN
[72] CAI, ZHONGQIANG, CN
[71] 10353744 CANADA LTD., CA
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[54] **SYSTEM AND METHOD FOR ASSISTING ENTITIES IN MAKING DECISIONS**
[54] **SYSTEME ET METHODE POUR AIDER DES ENTITES A PRENDRE DES DECISIONS**
[72] GUPTA MAYANK, CA
[71] GUPTA MAYANK, CA
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[54] **LICENSE CONTENT ERROR CORRECTION METHOD, APPARUTUS, AND SYSTEM**
[54] **METHODE DE CORRECTION D'ERREUR DE CONTENU DE LICENCE, APPAREIL ET SYSTEME**
[72] LI, YULIANG, CN
[71] 10353744 CANADA LTD., CA
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[54] **VEHICLE WITH E-AXLE**
[54] **VEHICULE ET ESSIEU**
[72] ANDRINGA, JEREMY, US
[72] NORDAHL, MITCHEL, US
[71] OSHKOSH CORPORATION, US
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[54] **SELF-CONTAINED ENGINE BLOCK HEATER POWER SUPPLY SYSTEM**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE DE CHAUFFE-MOTEUR AUTONOME**
[72] SEVERSON, LLOYD DUANE, US
[72] ROBERTS, MITCHELL DALLAS, US
[71] START & GO LLC, US
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[54] **REFROIDISSEUR D'AIR PRESENTANT UN DEGIVREUR GRADUEL SUR PLUSIEURS SERPENTINS D'EVAPORATEUR**
[72] HARIHARAN, NATARAJ, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
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[54] **POSTE DE CONCASSAGE A RECIRCULATION**
[72] VOIGT, MATT, US
[72] ESSON, MATT, US
[72] TAYLOR, ROBERT, US
[71] SUPERIOR INDUSTRIES, INC., US
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[54] **MULTIMODE BATCH MICROWAVE VACUUM DRYING MACHINE**
[54] **SECHEUR SOUS VIDE A MICRO-ONDES EN LOT MULTIMODE**
[72] CAO, LI BING, CA
[71] ENWAVE CORPORATION, CA
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[54] **SYSTEM AND PROCESS FOR CONVERTING A WASTE ORGANIC MATERIAL INTO DESIRABLE PRODUCTS USING THERMAL DECOMPOSITION**
[54] **SYSTEME ET PROCEDE POUR CONVERTIR LES DECHETS ORGANIQUES EN PRODUITS DESIRABLES AU MOYEN DE LA DECOMPOSITION THERMIQUE**
[72] ROY, CHRISTIAN, CA
[71] PYROVAC INC., CA
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[54] **CIRE ETANCHE, METHODE D'IMPERMEABILISATION POUR JOINDRE DES PARTIES DE LAMES A PARQUET, ET LESDITES LAMES A PARQUET**
[72] ZHANG, XIAOLING, CN
[72] XIAO, ZHIYUAN, CN
[71] CHANGZHOU BEMATE HOME TECHNOLOGY CO., LTD., CN
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[54] **SYSTEMES, DISPOSITIFS ET METHODES TRANSSEPTAUX**
[72] PEDERSEN, WESLEY ROBERT, US
[72] SORAJJA, PAUL, US
[72] DRASLER, WILLIAM JOSEPH, US
[71] BAYLIS MEDICAL COMPANY INC., CA
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[54] **METHOD FOR PREPARATION OF ANTIBACTERIAL BIO-FILLER FOR PLASTIC AND ANTIBACTERIAL BIO-FILLER FOR PLASTIC PREPARED THEREBY**
[54] **METHODE DE PREPARATION DE CHARGE BIOLOGIQUE ANTIBACTERIENNE POUR LE PLASTIQUE ET CHARGE BIOLOGIQUE ANTIBACTERIENNE POUR LE PLASTIQUE AINSI PREPARE**
[72] LEE, SANG-HYUN, KR
[71] LIGNUM INC., KR
[85] 2022-02-07
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[54] **METHOD OF ABANDONING A WELL**
[54] **PROCEDE DE FERMETURE D'UN PUITS**
[72] HEAD, PHILIP, GB
[71] PANDA-SEAL LIMITED, GB
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[72] DARREON, JULIEN, FR
[72] FAUQUET, CAROLE, FR
[72] TONNEAU, DIDIER, FR
[72] TALLET, AGNES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE D'AIX MARSEILLE, FR
[71] INSTITUT JEAN PAOLI & IRENE CALMETTES CENTRE REGIONAL DE LUTTE CONTRE LE CANCER, FR
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[54] **COMPOSES ANTIBACTERIENS DE 4-QUINOLINONE**
[72] GUILLEMONT, JEROME EMILE GEORGES, FR
[72] MOTTE, MAGALI MADELEINE SIMONE, FR
[72] WEIDNER, STEFFEN FRIEDRICH WALTER, FR
[72] LANCKACKER, ELLEN ANITA, BE
[72] LAMMENS, GODELIEVE MARIA J, BE
[72] LAMPRECHT, DIRK ANTONIE, BE
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[54] **SYSTEME DE TEST BIDIRECTIONNEL CHARGE PAR LE HAUT ET SON PROCEDE D'UTILISATION**
[72] MOGHADDAM, ROZBEH B., US
[72] RAUSCHE, FRANK, US
[72] HANNIGAN, PATRICK J., US
[71] RBM CONSULTING GROUP, INC., US
[71] GRL ENGINEERS, INC., US
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[54] **MIXTURE CONTAINING METHIONINE HYDROXY ANALOG AND OLIGOMER THEREOF, AND PREPARATION METHOD THEREFOR**
[54] **MELANGE CONTENANT UN ANALOGUE D'HYDROXYMETHIONINE, UN OLIGOMERE DE CELUI-CI, ET SON PROCEDE DE PREPARATION**
[72] GUIDAL, VALENTIN, CN
[72] NIU, LEI, CN
[72] SANCHEZ, FRANCISCO, CN
[71] BLUESTAR ADISSEO NANJING CO., LTD, CN
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[54] **METHODS FOR TREATING HYPERPHENYLALANINEMIA**
[54] **PROCEDES DE TRAITEMENT DE L'HYPERPHENYLALANINEMIE**
[72] SMITH, NIEL, US
[71] PTC THERAPEUTICS MP, INC., US
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[54] **SYSTEM FOR GENERATING SIMULATED ANIMAL DATA AND MODELS**
[54] **SYSTEME DE PRODUCTION DE DONNEES ET DE MODELES D'ANIMAUX SIMULES**
[72] KHARE, VIVEK, US
[72] GORSKI, MARK, US
[72] MIMOTO, STANLEY, US
[72] YADAV, ANUROOP, US
[71] SPORTS DATA LABS, INC., US
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[54] **A PASSIVE SAFETY DEVICE, AN INJECTION DEVICE COMPRISING THE SAME, AND A METHOD FOR MANUFACTURING SAID INJECTION DEVICE**
[54] **DISPOSITIF DE SECURITE PASSIF, DISPOSITIF D'INJECTION LE COMPRENANT, ET PROCEDE DE FABRICATION DUDIT DISPOSITIF D'INJECTION**
[72] MANICAVASAGAM, GANAPATHY, IN
[71] BECTON DICKINSON HOLDINGS PTE. LTD., SG
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[54] **POWER EVACUATED, BARREL IMPELLERED, PNEUMATIC ELECTRIC GENERATING AND STORAGE SYSTEM AND METHODS (PEBI SYSTEM)**
[54] **SYSTEME DE PRODUCTION ET DE STOCKAGE D'ENERGIE ELECTRIQUE PNEUMATIQUE, DE TURBINE A CYLINDRE, PUISSANCE EVACUEE, ET PROCEDES (SYSTEME PEBI)**
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[71] PARKER, JAMES R., US
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[54] **HYDRAULIC EXCAVATOR CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE TREUIL HYDRAULIQUE**
[72] SONG, ZHIKE, CN
[72] GENG, JIAWEN, CN
[72] NIU, DONGDONG, CN
[72] LIU, LIXIANG, CN
[72] WANG, LU, CN
[72] WANG, XUTONG, CN
[72] XING, ZECHENG, CN
[72] SONG, JI, CN
[72] WEI, HONGMIN, CN
[72] WANG, QING, CN
[72] BIAN, QINGRONG, CN
[72] LIN, XIANGWEI, CN
[72] LV, CHUANWEI, CN
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[71] XUZHOU XCMG EXCAVATOR MACHINERY CO., LTD., CN
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[54] **COMPOSITION POUR LA SEPARATION D'UN MELANGE D'EAU DE GISEMENT**
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[72] AMADIO, EMANUELE, IT
[71] WOW KEMICAL S.R.L., IT
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[54] **CHARGING DEVICE STATION AND METHOD FOR GENERATING A CHARGING CURRENT FOR AN ELECTRIC MOTOR VEHICLE**
[54] **STATION FORMANT DISPOSITIF DE CHARGE ET PROCEDE DE PRODUCTION D'UN COURANT DE CHARGE DESTINE A UN VEHICULE AUTOMOBILE ELECTRIQUE**
[72] SOHL, ALEXANDER, DE
[72] ADLER, INES, DE
[71] ME ENERGY GMBH, DE
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[54] **METHODS FOR IDENTIFICATION OF ANTIGEN BINDING SPECIFICITY OF ANTIBODIES**
[54] **PROCEDES D'IDENTIFICATION DE LA SPECIFICITE DE LIAISON A L'ANTIGENE D'ANTICORPS**
[72] SETLIFF, MARION FRANCIS, US
[72] GEORGIEV, IVELIN STEFANOV, US
[72] SHIAKOLAS, ANDREA, US
[71] VANDERBILT UNIVERSITY, US
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[54] **IL-10/FC FUSION PROTEINS USEFUL AS ENHANCERS OF IMMUNOTHERAPIES**
[54] **PROTEINES DE FUSION IL -10/FC UTILES EN TANT QU'ACTIVATEURS D'IMMUNOTHERAPIES**
[72] GUO, YUGANG, CH
[72] TANG, LI, CH
[72] XIE, YU-QING, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
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[54] **PROCEDE D'INTRODUCTION D'UNE CHARGE METALLIFERE DANS UN PROCEDE DE FABRICATION DU FER**
[72] HAGE, JOHANNES LEENDERT TEUNIS, NL
[72] HO, HAI THONG, NL
[72] BLAFFART, FREDERIC ADRIEN, BE
[72] WANG, XUAN, BE
[71] TATA STEEL IJMUIDEN B.V., NL
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[54] **SUBSTITUTED PHENYL BORONIC ACID CONTAINING POLYMERS AND METHODS OF USE**
[54] **POLYMERES CONTENANT DE L'ACIDE PHENYLBORONIQUE SUBSTITUE ET PROCEDES D'UTILISATION**
[72] JOZEFIAK, THOMAS HENRY, US
[72] NIMGAONKAR, ASHISH, US
[72] POLOMOSCANIK, STEVEN C., US
[71] GLYSCEND, INC., US
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[54] **SYSTEME DE CONDITIONNEMENT DE CARTE**
[72] ZIMMERMAN, WAYNE E., US
[71] THE IMAGINE GROUP, LLC, US
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[54] **DISPOSITIF DE REGULATION DE DEBIT ENTRANT AUTONOME POUR SURVEILLANCE DE DEBIT EN DIRECT**
[72] ABDELFATTAH, TARIK, US
[72] SNITKOFF, JOSHUA RAYMOND, US
[72] MITCHELL, IAN, US
[72] GONZALEZ, JOSE RAFAEL, US
[72] LEROHL, DAVID, US
[72] FAILLA, ROBERTO, US
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[54] **ABLATION ASSEMBLY TO TREAT TARGET REGIONS OF TISSUE IN ORGANS**
[54] **ENSEMBLE D'ABLATION POUR TRAITER DES REGIONS CIBLES DE TISSU DANS DES ORGANES**
[72] WERNETH, RANDELL L., US
[72] ZARBATANY, DAVID, US
[72] ROMAN, RICARDO DAVID, US
[71] ARGA' MEDTECH SA, CH
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[25] EN
[54] **DOWNHOLE ROCK MECHANICS CHARACTERISATION TOOL, ASSEMBLY AND METHOD**
[54] **OUTIL, ENSEMBLE ET PROCEDE DE CARACTERISATION DE MECANIQUE DES ROCHES DE FOND DE TROU**
[72] HAIZ, SILVIA, IT
[72] BIONDI, ANDREA, IT
[72] FAVARETTO, MAURO, IT
[71] ENI S.P.A., IT
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[54] **RHEOLOGY TESTING SYSTEMS AND METHODS FOR OPERATING THE SAME**
[54] **SYSTEMES DE TEST RHEOLOGIQUE ET PROCEDES DE FONCTIONNEMENT ASSOCIES**
[72] SOLANKI, SANJAY C., US
[72] THURBER, CHRISTOPHER M., US
[72] WANG, JIN, US
[72] MCCARTY, DONALD L., II, US
[72] VERVOORT, SYLVIE, NL
[72] SANDKUEHLER, PETER HERMANN ROLAND, CH
[72] DEN DOELDER, CORNELIS F.J., NL
[72] OCONNELL, PAUL A., US
[72] LUND, JOHN E., US
[72] SOUTHWELL, COLLEEN M., US
[72] MARCHBANKS, ERIC L., US
[72] DEES, MARC M.J., NL
[72] KOPPI, KURT A., US
[72] BRAUN, BIRGIT, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **METHOD OF ASSEMBLING A BICYCLE RIM, BICYCLE RIM**
[54] **PROCEDE D'ASSEMBLAGE D'UNE JANTE DE BICYCLETTE, JANTE DE BICYCLETTE**
[72] HUSLER, DANIEL, CH
[71] ADULTIMUM AG, CH
[85] 2022-03-03
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[54] **DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES, SYSTEME DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] MINEZAWA, AKIRA, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **PHARMACEUTICAL COMPOSITION**
[54] **FORMULATION D'APOMORPHINE**
[72] CLARKE, ANTHONY, GB
[72] SHUR, JAGDEEP, GB
[71] RENOWN PHARMA INC., US
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[54] **ABLATION EQUIPMENT TO TREAT TARGET REGIONS OF TISSUE IN ORGANS**
[54] **EQUIPEMENT D'ABLATION POUR TRAITER DES REGIONS CIBLES DE TISSU DANS DES ORGANES**
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[72] ZARBATANY, DAVID, US
[72] ROMAN, RICARDO DAVID, US
[71] ARGA' MEDTECH SA, CH
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[54] **METHOD AND DEVICE FOR PRODUCING DIRECT REDUCED, CARBURIZED METAL**
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION DE METAL CARBURE A REDUCTION DIRECTE**
[72] MURRAY, HANS E.H., SE
[71] GREENIRON H2 AB, SE
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[54] **TAP AND CONTAINER OR BEER KEG HAVING A TAP**
[54] **ROBINET ET CONTENANT OU FUT DE BIERE DOTE D'UN ROBINET**
[72] OBERHOFER, TIMM, DE
[71] OAM GMBH, DE
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[51] **Int.Cl. A01H 1/00 (2006.01) A01H 6/28 (2018.01)**
[25] EN
[54] **OPTIMIZING VOLATILE ENTOURAGES IN DRY FLOWERING PLANT MIXTURES**
[54] **OPTIMISATION D'ENVIRONNEMENTS VOLATILS DANS DES MELANGES DE PLANTES A FLEURS SECHES**
[72] BACKES, MICHAEL DANE, US
[71] PERFECT HERBAL BLENDS, INC., US
[85] 2022-03-03
[86] 2020-09-04 (PCT/US2020/049508)
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[54] **PATIENT-SPECIFIC SURGICAL METHODS AND INSTRUMENTATION**
[54] **PROCEDES ET INSTRUMENTATION CHIRURGICAUX ROBOTISES**
[72] PERLER, ADAM D., US
[72] SPITLER, JAMES Q., US
[71] INMOTUS MEDICAL LLC, US
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[54] **IL-2 CONJUGATES AND METHODS OF USE TO TREAT AUTOIMMUNE DISEASES**
[54] **CONJUGUES D'IL-2 ET METHODES D'UTILISATION POUR TRAITER DES MALADIES AUTO-IMMUNES**
[72] PTACIN, JEROD, US
[72] CAFFARO, CAROLINA E., US
[72] MILLA, MARCOS, US
[71] SYNTHORX, INC., US
[85] 2022-03-03
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[54] **AUTOMATED EVALUATION OF QUALITY ASSURANCE METRICS FOR ASSISTED REPRODUCTION PROCEDURES**
[54] **EVALUATION AUTOMATIQUE D'UNE MESURE D'ASSURANCE QUALITE POUR DES PROCEDURES DE REPRODUCTION ASSISTEE**
[72] SHAFIEE, HADI, US
[72] BORMANN, CHARLES L., US
[72] KANAKASABAPATHY, MANOJ KUMAR, US
[72] THIRUMALARAJU, PRUDHVI, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[86] 2020-09-08 (PCT/US2020/049685)
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[25] EN
[54] **CARTRIDGE OF FUEL CELL HUMIDIFIER AND FUEL CELL HUMIDIFIER**
[54] **CARTOUCHE D'HUMIDIFICATEUR A PILE A COMBUSTIBLE ET HUMIDIFICATEUR A PILE A COMBUSTIBLE**
[72] AHN, WOONG JEON, KR
[72] OH, YOUNG SEOK, KR
[72] KIM, IN HO, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2022-03-03
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[51] **Int.Cl. A61K 45/06 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT USING A GENETICALLY MODIFIED AUTOLOGOUS T CELL IMMUNOTHERAPY**
[54] **METHODES DE TRAITEMENT A L'AIDE D'UNE IMMUNOTHERAPIE PAR LYMPHOCYTES T AUTOLOGUES GENETIQUEMENT MODIFIES**
[72] SENNINO, BARBARA, US
[72] PURANDARE, BHAMINI, US
[72] MANDL-CASHMAN, STEFANIE, US
[72] FINE, GREGG D., US
[72] RAO, ARATI V., US
[72] STALLINGS-SCHMITT, TODD, US
[72] FROHLICH, MARK WALTER, US
[72] FRANZUSOFF, ALEX, US
[71] PACT PHARMA, INC., US
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[51] **Int.Cl. F24F 7/007 (2006.01) F24F 11/74 (2018.01) F24F 7/06 (2006.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM**
[54] **SYSTEME DE CLIMATISATION**
[72] SEKIZAWA, MITSURU, JP
[72] SATO, YUUITI, JP
[72] MATSUZAKI, KAZUHITO, JP
[71] HITACHI GLOBAL LIFE SOLUTIONS, INC., JP
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[25] EN
[54] **SMART DIMMING & SENSOR FAILURE DETECTION AS PART OF BUILT IN AMBIENT LIGHT HARVESTING INSIDE THE LUMINAIRE**
[54] **GRADATION INTELLIGENTE ET DETECTION DE DEFAILLANCE DE CAPTEUR EN TANT QUE PARTIE D'UNE COLLECTE DE LUMIERE AMBIANTE A L'INTERIEUR DU LUMINAIRE**
[72] GURJAR, RAVINDRA VIRAJ, IN
[71] APPLETON GRP LLC, US
[85] 2022-03-03
[86] 2020-08-21 (PCT/US2020/047434)
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[30] IN (201921037990) 2019-09-20
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[25] EN
[54] **ENGINEERING OF IMMUNE CELLS FOR EX VIVO CELL THERAPY APPLICATIONS**
[54] **INGENIERIE DE CELLULES IMMUNITAIRES POUR DES APPLICATIONS DE THERAPIE CELLULAIRE EX VIVO**
[72] O'DEA, SHIRLEY, IE
[72] MAGUIRE, MICHAEL, IE
[71] AVECTAS LIMITED, IE
[85] 2022-03-03
[86] 2020-09-04 (PCT/IB2020/058272)
[87] (WO2021/044373)
[30] US (62/897,250) 2019-09-06
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[25] EN
[54] **WIRES OF SUPERELASTIC NICKEL-TITANIUM ALLOY AND METHODS OF FORMING THE SAME**
[54] **FILS D'ALLIAGE NICKEL-TITANE SUPER-ELASTIQUE ET LEURS PROCEDES DE FORMATION**
[72] KUMAR, PARIKSHITH K., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2022-03-03
[86] 2020-09-25 (PCT/US2020/052778)
[87] (WO2021/062191)
[30] US (62/907,500) 2019-09-27

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[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/095 (2010.01) A61P 35/00 (2006.01)**
[25] EN
[54] **VACCINE FOR TREATMENT OF CANCER AND METHOD OF MAKING BY STRESS REPROGRAMMING**
[54] **VACCIN PERMETTANT LE TRAITEMENT DU CANCER ET PROCEDE DE FABRICATION PAR REPROGRAMMATION PAR STRESS**
[72] VACANTI, CHARLES A., US
[72] VACANTI, MARTIN P., US
[71] VCELL THERAPEUTICS, INC., US
[85] 2022-03-03
[86] 2020-09-03 (PCT/US2020/049151)
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[51] **Int.Cl. A01K 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING A ROTARY MILKING PARLOR ARRANGEMENT, COMPUTER PROGRAM AND NON-VOLATILE DATA CARRIER**
[54] **SYSTEME ET PROCEDE POUR COMMANDER UN AGENCEMENT DE SALLE DE TRAITE ROTATIF, PROGRAMME INFORMATIQUE ET SUPPORT DE DONNEES NON VOLATILE**
[72] WALACHOWSKI, MARCIN, SE
[72] ZAWISLANSKI, TOMASZ, SE
[71] DELAVAL HOLDING AB, SE
[85] 2022-03-03
[86] 2020-10-01 (PCT/SE2020/050923)
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[30] SE (1951122-9) 2019-10-02

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[25] EN
[54] **METHODS OF ACCURATELY PLACING A GASTRIC TUBE IN A SUBJECT**
[54] **PROCEDES DE PLACEMENT PRECIS D'UN TUBE GASTRIQUE CHEZ UN SUJET**
[72] RIFAI, AHMAD OUSSAMA, US
[71] RIFAI, AHMAD OUSSAMA, US
[85] 2022-03-03
[86] 2020-09-08 (PCT/US2020/049658)
[87] (WO2021/046512)
[30] US (62/896,103) 2019-09-05

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[51] **Int.Cl. A61K 31/5513 (2006.01) A61P 25/36 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **TREATMENT OF OPIOID WITHDRAWAL**
[54] **TRAITEMENT DE SEVRAGE DES OPIOIDES**
[72] BOWEN, MICHAEL THOMAS, AU
[72] MCGREGOR, IAIN STEWART, AU
[71] KINOXIS THERAPEUTICS PTY LTD, AU
[85] 2022-03-03
[86] 2020-09-07 (PCT/AU2020/050941)
[87] (WO2021/042178)
[30] AU (2019903299) 2019-09-06

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **CABLE SEAL AND STRAIN RELIEF ASSEMBLY**
[54] **JOINT D'ETANCHEITE DE CABLE ET ENSEMBLE DE REDUCTION DE CONTRAINTE**
[72] KUSMIEREK, MARCIN, PL
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2022-03-03
[86] 2020-08-20 (PCT/US2020/047088)
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[30] US (62/896,752) 2019-09-06

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[13] A1
[51] **Int.Cl. A61F 2/01 (2006.01) A61B 17/221 (2006.01) A61F 2/04 (2013.01) A61F 2/06 (2013.01) A61F 2/24 (2006.01)**
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[54] **APPARATUSES AND METHODS WITH FILTER POUCH**
[54] **APPAREILS ET PROCEDES AYANT UNE POCHE DE FILTRE**
[72] ZANDI, ABDOLRAHIM, US
[72] GOSLAU, J. ERIC, US
[71] TRANSVERSE MEDICAL, INC., US
[85] 2022-03-03
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[51] **Int.Cl. A61K 31/4035 (2006.01) A61P 35/04 (2006.01) C07D 209/44 (2006.01)**
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[54] **HPK1 ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES DE HPK1 ET LEURS UTILISATIONS**
[72] KAILA, NEELU, US
[72] LINNEY, IAN, GB
[72] WARD, STUART, GB
[72] WISHART, GRANT, GB
[72] WHITTAKER, BEN, GB
[72] COTE, ALEXANDRE, US
[72] GREENWOOD, JEREMY ROBERT, US
[72] LEFFLER, ABBA, US
[72] SEVERANCE, DANIEL L., US
[72] ALBANESE, STEVEN K., US
[71] NIMBUS SATURN, INC., US
[85] 2022-03-03
[86] 2020-09-11 (PCT/US2020/050524)
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[30] US (62/900,152) 2019-09-13
[30] US (63/032,070) 2020-05-29

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[13] A1
[51] **Int.Cl. G02B 6/38 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **CABLE STRAIN RELIEF ASSEMBLY**
[54] **ENSEMBLE SERRE-CABLE**
[72] KUKIAN, PRZEMYSLAW ANDRZEJ, PL
[72] KUSMIEREK, MARCIN, PL
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2022-03-03
[86] 2020-08-20 (PCT/US2020/047122)
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[30] US (62/896,765) 2019-09-06

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[13] A1
[51] **Int.Cl. C22C 14/00 (2006.01) C22C 19/00 (2006.01) C22C 19/03 (2006.01) C22F 1/00 (2006.01) C22F 1/10 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **WIRES OF NICKEL-TITANIUM ALLOY AND METHODS OF FORMING THE SAME**
[54] **FILS EN ALLIAGE NICKEL-TITANE ET LEURS PROCEDES DE FORMATION**
[72] BORN, DEBRA K., US
[72] KUMAR, PARIKSHITH K., US
[72] MAJOLAGBE, KEHINDE A., US
[72] NELSON, JARED S., US
[72] SILVERMAN, JAMES D., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2022-03-03
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[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ROLE-BASED AND ATTRIBUTION-TRACKING COLLABORATIVE DESIGN OF CUSTOM PRODUCTS BASED ON MANUFACTURING CONSTRAINTS**
[54] **SYSTEME ET PROCEDE DE CONCEPTION COLLABORATIVE DE SUIVI D'ATTRIBUTION BASEE SUR DES ROLES DE PRODUITS PERSONNALISES SUR LA BASE DE CONTRAINTES DE FABRICATION**
[72] BEAVER III, ROBERT I., US
[72] BEAVER, JEFFREY J., US
[72] NARVASA, SEAN, US
[72] HARVILL, LESLIE YOUNG, US
[72] IVANOV, PETAR S., US
[72] BOSSIER, PARKER H., US
[72] COLLETTE, CHRISTOPHER, US
[71] ZAZZLE INC., US
[85] 2022-03-03
[86] 2020-09-30 (PCT/US2020/053585)
[87] (WO2021/080756)
[30] US (62/924,275) 2019-10-22

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[51] **Int.Cl. A24B 15/10 (2006.01) A24B 13/00 (2006.01) A24F 23/02 (2006.01)**
[25] EN
[54] **POUCHED PRODUCTS WITH ENHANCED FLAVOR STABILITY**
[54] **PRODUITS EN SACHET A STABILITE DE SAVEUR AMELIOREE**
[72] KELLER, CHRISTOPHER, US
[72] POOLE, THOMAS H., US
[72] HUTCHENS, RONALD K., US
[72] GERARDI, ANTHONY R., US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-03-03
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[54] **ZIRCONIA-STABILIZED CALCIUM OXIDE NANOPARTICLES FOR CO2 CAPTURE AT HIGH TEMPERATURES**
[54] **NANOPARTICULES D'OXYDE DE CALCIUM STABILISEES PAR DE LA ZIRCONE POUR LA CAPTURE DE CO2 A DES TEMPERATURES ELEVEES**
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[72] MAHINPEY, NADER, CA
[71] UTI LIMITED PARTNERSHIP, CA
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[54] **FEATURE ENCODING IN ONLINE APPLICATION ORIGINATION (OAO) SERVICE FOR A FRAUD PREVENTION SYSTEM**
[54] **CODAGE DE CARACTERISTIQUES DANS UN SERVICE D'EMISSION D'APPLICATION EN LIGNE (OAO) POUR UN SYSTEME DE PREVENTION DE FRAUDE**
[72] SHAH, PARIN PRASHANT, CA
[72] LAPTIEV, ANTON, CA
[71] MASTERCARD TECHNOLOGIES CANADA ULC, CA
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[25] EN
[54] **COOKING ACCELERATOR FOR LIGNOCELLULOSE MATERIALS AND METHOD FOR PRODUCING PULP USING SAME**
[54] **ACCELERATEUR DE CUISSON POUR MATERIAUX LIGNOCELLULOSIQUES ET PROCEDE DE PRODUCTION DE PATE A L'AIDE DE CELUI-CI**
[72] TANAKA, TAKASHI, JP
[72] TAKAI, KOUZI, JP
[72] TOYOHARA, HARUHIKO, JP
[71] NICCA CHEMICAL CO., LTD., JP
[85] 2022-03-03
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[87] (WO2021/049204)
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[54] **DELAMINATION CONTAINER**
[54] **CONTENANT A DELAMINAGE**
[72] SUZUKI, TAKANORI, JP
[72] ASAOKA, SEIICHI, JP
[71] YOSHINO KOGYOSHO CO., LTD., JP
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[54] **A METHOD FOR FORMING A STORAGE STABLE HYDROLYSATE FROM A LIGNOCELLULOSIC MATERIAL**
[54] **PROCEDE DE FORMATION D'UN HYDROLYSAT STABLE EN STOCKAGE A PARTIR D'UN MATERIAU LIGNOCELLULOSIQUE**
[72] CAVKA, ADNAN, SE
[72] SUNDVALL, ELIAS, SE
[71] SEKAB E-TECHNOLOGY AB, SE
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[54] **GLASS SEPARATING AND CUTTING SYSTEM FOR ELECTRONIC MOBILE DEVICE REPAIR**
[54] **SYSTEME DE SEPARATION ET DE COUPE DE VERRE POUR REPARATION DE DISPOSITIF MOBILE ELECTRONIQUE**
[72] HAJIPETROU, GEORGIOS CHRISTODOULOY, ZA
[72] CLAUSSEN, HANS, DE
[72] KALYVAS, CHARALAMPOS, GR
[71] MOBILE ADVANCED TECHNOLOGIES, LLC, US
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[54] **FREEZING SYSTEM FOR ELECTRONIC MOBILE DEVICE REPAIR**
[54] **SYSTEME DE CONGELATION DE REPARATION DE DISPOSITIFS MOBILES ELECTRONIQUES**
[72] HAJIPETROU, GEORGIOS CHRISTODOULOY, ZA
[72] CLAUSSEN, HANS, DE
[72] KALYVAS, CHARALAMPOS, GR
[71] MOBILE ADVANCED TECHNOLOGIES, LLC, US
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[54] **COMPACT PARK LOCK ASSEMBLY**
[54] **ENSEMBLE VERROUILLAGE DE STATIONNEMENT COMPACT**
[72] ZIEMBA, JEFFEREY, US
[71] CIPO, CA
[71] LINAMAR CORPORATION, CA
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[86] 2020-09-14 (PCT/US2020/050677)
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[54] **MODIFIED PHENOL POLYMER AND USE THEREOF**
[54] **POLYMERE DE PHENOL MODIFIE ET UTILISATION DE CELUI-CI**
[72] DOANE, JOSEPH T., US
[72] CHICHAK, KELLY S., US
[71] SI GROUP, INC., US
[85] 2022-03-03
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[54] **PRINTING PLATE AND POLYMERIC COATING MATERIAL FOR SAME**
[54] **PLAQUE D'IMPRESSION ET SON MATERIAU DE REVETEMENT POLYMERE**
[72] HELMSTEDT, ULRIKE, DE
[72] FREYER, ANNETTE, DE
[72] HERRNBERGER, HELMUT, DE
[72] FECHNER, OLIVER, DE
[72] GSCHOSSMANN, CHRISTOPH, DE
[71] MASCHINENFABRIK KASPAR WALTER GMBH & CO. KG, DE
[71] LEIBNIZ-INSTITUT FUR OBERFLACHENMODIFIZIERUNG E.V., DE
[85] 2022-03-03
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[25] FR
[54] **CONDUIT EXPLORATION ROBOT COMPRISING A POSITIONING SYSTEM**
[54] **ROBOT D'EXPLORATION DE CONDUIT COMPRENANT UN SYSTEME DE POSITIONNEMENT**
[72] ROSSI, JEAN-FRANCOIS, FR
[71] AUTONOMOUS CLEAN WATER APPLIANCE (ACWA) ROBOTICS, FR
[85] 2022-03-03
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[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR FORMING AN ANASTOMOSIS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE FORMATION D'UNE ANASTOMOSE**
[72] PATE, THOMAS D., US
[72] BERMAN, ZACHARY R., US
[71] ALLEVIANT MEDICAL, INC., US
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[54] **PIPE EXPLORATION ROBOT COMPRISING A BEARING MODULE**
[54] **ROBOT D'EXPLORATION DE CONDUIT COMPRENANT UN MODULE DE PRISE D'APPUI**
[72] ROSSI, JEAN-FRANCOIS, FR
[71] AUTONOMOUS CLEAN WATER APPLIANCE (ACWA) ROBOTICS, FR
[85] 2022-03-03
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[54] **GNCC AND/OR PCC AS A CATALYTIC CARRIER FOR METAL SPECIES**
[54] **GNCC ET/OU PCC EN TANT QUE SUPPORT CATALYTIQUE POUR ESPECES METALLIQUES**
[72] FTOUNI, JAMAL, CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2022-03-03
[86] 2020-09-23 (PCT/EP2020/076560)
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[54] **ROASTING SYSTEM**
[54] **SYSTEME DE TORREFACTION**
[72] BOSMANS, KOEN, BE
[71] LA BOMBA SPRL, BE
[85] 2022-03-03
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[54] **MAGL INHIBITOR, PREPARATION METHOD AND USE THEREOF**
[54] **INHIBITEUR DE MAGL, PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, GUIMIN, CN
[72] WANG, JINXIN, CN
[72] YAO, JINGCHUN, CN
[72] ZHAO, GUIFANG, CN
[71] LUNAN PHARMACEUTICAL GROUP CORPORATION, CN
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[86] 2020-07-27 (PCT/CN2020/104989)
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[54] **SRCC AS A CATALYTIC CARRIER FOR METAL SPECIES**
[54] **SRCC EN TANT QUE SUPPORT CATALYTIQUE POUR ESPECES METALLIQUES**
[72] FTOUNI, JAMAL, CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2022-03-03
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[54] **ANTI-STEAP1 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-STEAP1 ET LEURS UTILISATIONS**
[72] CHEUNG, NAI-KONG V., US
[72] LIN, TSUNG-YI, US
[72] LARSON, STEVEN M., US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2022-03-03
[86] 2020-09-04 (PCT/US2020/049377)
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[25] EN
[54] **DEVICE FOR DETECTING INSECT LARVAE AND ADULT INSECTS IN STORED PRODUCTS BY SENSING THEIR VOLATILE PHEROMONES AND SEMIOCHEMICALS**
[54] **DISPOSITIF DE DETECTION DE LARVES D'INSECTES ET D'INSECTES ADULTES DANS DES PRODUITS STOCKES PAR DETECTION DE LEURS PHEROMONES VOLATILES ET MEDIATEURS CHIMIQUES**
[72] SMILANICH, NICHOLAS JOSEPH, US
[72] REICHERT, SAMUEL FIRESTONE, US
[72] TUDRON, FRANK BERNARN, US
[71] SENSOR DEVELOPMENT CORPORATION, US
[85] 2022-03-03
[86] 2020-08-26 (PCT/US2020/047911)
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[54] **LYMPHOCYTES T GENETIQUEMENT MODIFIES PRESENTANT UNE PERSISTANCE AMELIOREE EN CULTURE**
[72] TERRETT, JONATHAN ALEXANDER, US
[72] KALAITZIDIS, DEMETRIOS, US
[72] WALDNER, HANSPETER, US
[71] CRISPR THERAPEUTICS AG, CH
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[86] 2020-09-04 (PCT/IB2020/058280)
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[30] US (62/897,016) 2019-09-06
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[30] US (63/034,646) 2020-06-04

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[51] **Int.Cl. B29D 7/01 (2006.01) C08L 27/18 (2006.01)**
[25] EN
[54] **PREPARATION METHOD OF PTFE-BASED MEMBRANE FOR PREVENTING AND REMOVING ICES COVERING WIND TURBINE BLADES AND USE THEREOF**
[54] **PROCEDE DE PREPARATION D'UN FILM A BASE DE PTFE POUR LA PREVENTION ET L'ELIMINATION DE GLACE RECOUVRANT DES PALES DE VENTILATEUR ET SON UTILISATION**
[72] XIANG, XIN, CN
[72] LIU, JIANPING, CN
[72] WU, JIANHUA, CN
[72] SUN, ZHIYU, CN
[72] ZHU, YAWEI, CN
[72] LI, WENWEI, CN
[72] ZHAO, FANGLIANG, CN
[72] WU, HONG, CN
[72] ZHAO, JINGXIN, CN
[72] PANG, BO, CN
[72] WU, JIANPING, CN
[71] CHINA THREE GORGES CORPORATION, CN
[71] CHINA THREE GORGES RENEWABLES(GROUP)CO., LTD., CN
[71] NANJING HAOHUI HI TECH CO., LTD., CN
[85] 2022-03-03
[86] 2020-12-15 (PCT/CN2020/136608)
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[25] EN
[54] **COMPOSITION FOR TREATMENT OF BURN WITH SCAR REMOVAL**
[54] **COMPOSITION POUR LE TRAITEMENT D'UNE BRULURE AVEC ELIMINATION DE CICATRICE**
[72] JOSE, HUXLEY, IN
[71] JOSE, HUXLEY, IN
[85] 2022-03-03
[86] 2020-08-07 (PCT/IN2020/050699)
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[51] **Int.Cl. G16B 30/00 (2019.01)**
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[54] **BIOMARKERS FOR PREDICTING MULTIPLE SCLEROSIS DISEASE ACTIVITY**
[54] **BIOMARQUEURS POUR LA PREDICTION DE L'ACTIVITE DE LA SCLEROSE EN PLAQUES**
[72] KATRIB, AMAL, US
[72] RUBIO DA COSTA, FATIMA, US
[72] BECICH, MICHAEL JUSTIN, US
[72] GEHMAN, VICTOR MICHAEL, US
[72] QURESHI, FERHAN, US
[72] HAGSTROM, WILLIAM A., US
[71] OCTAVE BIOSCIENCE, INC., US
[85] 2022-03-03
[86] 2020-09-04 (PCT/US2020/049375)
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[25] EN
[54] **BIOMARKERS AND TREATMENTS OF ALZHEIMER'S DISEASE AND MILD COGNITIVE IMPAIRMENT**
[54] **BIOMARQUEURS ET TRAITEMENTS DE LA MALADIE D'ALZHEIMER ET D'UN TROUBLE COGNITIF LEGER**
[72] NOVAK, MICHAL, SK
[72] KONTSEKOVA, EVA, SK
[72] KOVACECH, BRANISLAV, SK
[72] ?ILKA, NORBERT, SK
[71] AXON NEUROSCIENCE SE, CY
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[30] US (62/897,940) 2019-09-09
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[25] EN
[54] **METHOD OF FORMING A DEVICE OF COMPOSITE MATERIAL, A PATTERN, A DEVICE**
[54] **PROCEDE DE FORMATION D'UN DISPOSITIF EN MATERIAU COMPOSITE, MOTIF ET DISPOSITIF**
[72] HUSLER, DANIEL, CH
[72] FAISST, RAINER, DE
[71] ADULTIMUM AG, CH
[85] 2022-03-04
[86] 2019-09-19 (PCT/EP2019/075253)
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[51] **Int.Cl. D21C 9/00 (2006.01) D21D 1/20 (2006.01) D21H 27/00 (2006.01) D21H 27/38 (2006.01)**
[25] EN
[54] **TISSUES AND PAPER TOWELS INCORPORATING SURFACE ENHANCED PULP FIBERS AND METHODS OF MAKING THE SAME**
[54] **MOUCHOIRS ET SERVIETTES EN PAPIER INCORPORANT DES FIBRES DE PATE A PAPIER A SURFACE AGRANDIE ET LEURS PROCEDES DE FABRICATION**
[72] LANGFORD, BRADLEY, US
[72] LLOYD, DAVID, GB
[72] RANSON, BRIAN, US
[72] JOHNSTON, GWEN, US
[72] KAVALEW, DALE, US
[71] DOMTAR PAPER COMPANY, LLC, US
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[25] EN
[54] **METHODS OF IMPROVING SEED SIZE AND QUALITY**
[54] **PROCEDES D'AMELIORATION DE LA TAILLE ET DE LA QUALITE DE GRAINES**
[72] JIN, XIMING, CN
[72] LI, YUNHAI, CN
[72] JIANG, SHAN, CN
[71] INSTITUTE OF GENETICS AND DEVELOPMENTAL BIOLOGY CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-03-04
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[87] (WO2021/044027)
[30] CN (PCT/CN2019/104566) 2019-09-05

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[51] **Int.Cl. H04N 1/56 (2006.01)**
[25] EN
[54] **DYNAMIC GENERATION OF CUSTOM COLOR SELECTIONS**
[54] **PRODUCTION DYNAMIQUE DE SELECTIONS PERSONNALISEES DE COULEURS**
[72] NORRIS, ALISON, US
[72] KAUFFMAN, KRISTI, US
[72] GROVES, FRANCIS, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2022-03-04
[86] 2020-09-11 (PCT/US2020/050308)
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[30] US (62/899,679) 2019-09-12

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[51] **Int.Cl. A23C 19/028 (2006.01) A23C 9/142 (2006.01) A23C 19/02 (2006.01) A23C 19/05 (2006.01) A23C 19/076 (2006.01)**
[25] EN
[54] **METHOD OF MAKING FRENCH-TYPE GOAT CHEESE**
[54] **PROCEDE DE FABRICATION DE FROMAGE DE CHEVRE DE TYPE FRANCAIS**
[72] LAVRIJSEN, BAS WILLEM MAARTEN, NL
[72] BENJAMINS, FREDERIC, NL
[71] DAIRY PROTEIN COOPERATION FOOD B.V., NL
[85] 2022-03-04
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[51] **Int.Cl. D21D 1/20 (2006.01) D21D 99/00 (2006.01) D21H 15/00 (2006.01) D21H 15/02 (2006.01)**
[25] EN
[54] **MARKET PULPS COMPRISING SURFACE ENHANCED PULP FIBERS AND METHODS OF MAKING THE SAME**
[54] **PATES A PAPIER COMMERCIALES COMPOSEES DE FIBRES DE PATE A SURFACE AGGRANDIE ET LEURS PROCEDES DE FABRICATION**
[72] PANDE, HARSHAD, US
[72] MARCOCCIA, BRUNO, US
[72] JOHNSTON, GWEN, US
[72] LLOYD, DAVID, US
[72] LANGFORD, BRADLEY, US
[71] DOMTAR PAPER COMPANY, LLC, US
[85] 2022-03-04
[86] 2020-09-23 (PCT/US2020/052138)
[87] (WO2021/061718)
[30] US (62/904,393) 2019-09-23

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[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/47 (2006.01) C07D 215/18 (2006.01)**
[25] EN
[54] **METHOD OF TREATMENT AND DEVICE FOR THE IMPROVED BIO AVAILABILITY OF MONTELUKAST, A LEUKOTRIENE RECEPTOR ANTAGONIST**
[54] **METHODE DE TRAITEMENT ET DISPOSITIF POUR LA BIODISPONIBILITE AMELIOREE DU MONTELUKAST, UN ANTAGONISTE DES RECEPTEURS DES LEUCOTRIENES**
[72] ZERBE, HORST G., CA
[72] AIGNER, LUDWIG, DE
[72] MICHAEL, JOHANNA, AT
[72] PAIEMENT, NADINE, CA
[72] CONWAY, JUSTIN W., CA
[72] OBEID, RODOLPHE, CA
[71] INTELGENX CORP., CA
[85] 2022-03-04
[86] 2019-09-12 (PCT/CA2019/051296)
[87] (WO2020/051709)
[30] CA (3,017,526) 2018-09-14
[30] US (16/131,995) 2018-09-14

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[13] A1
[51] **Int.Cl. A61C 9/00 (2006.01) G01B 11/00 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL DENTAL SCANNING SYSTEM AND METHOD OF SCANNING**
[54] **SYSTEME DE BALAYAGE DENTAIRE TRIDIMENSIONNEL ET PROCEDE DE BALAYAGE**
[72] KEELING, ANDREW JAMES, GB
[71] UNIVERSITY OF LEEDS, GB
[85] 2022-03-04
[86] 2020-09-17 (PCT/GB2020/052255)
[87] (WO2021/053338)
[30] GB (1913469.1) 2019-09-18

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[13] A1
[51] **Int.Cl. H01L 31/054 (2014.01) H02S 20/22 (2014.01) H02S 20/23 (2014.01) H02S 20/26 (2014.01) H02S 20/32 (2014.01) H02S 40/22 (2014.01) H01L 31/052 (2014.01)**
[25] EN
[54] **PHOTOVOLTAIC SOLAR COLLECTION SYSTEM AND NATURAL ILLUMINATION APPARATUS FOR BUILDING INTEGRATION**
[54] **SYSTEME DE COLLECTE SOLAIRE PHOTOVOLTAIQUE ET APPAREIL D'ECLAIRAGE NATUREL PERMETTANT L'INTEGRATION DANS DES BATIMENTS**
[72] MORGAN, JOHN PAUL, CA
[72] BARNES, BRETT, CA
[72] CAELERS, STEPHEN, CA
[72] CHANG, PHILIP, CA
[72] LI, XING YI, CA
[72] MYRSKOG, STEFAN, CA
[72] TRAM, MUNY, CA
[71] MORGAN SOLAR INC., CA
[85] 2022-03-04
[86] 2019-09-05 (PCT/IB2019/057493)
[87] (WO2021/044195)

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[13] A1
[51] **Int.Cl. E21B 47/06 (2012.01) E21B 47/13 (2012.01)**
[25] EN
[54] **A WELL BORE INSTRUMENT SYSTEM**
[54] **SYSTEME D'INSTRUMENT DE FORAGE DE PUITS**
[72] SHANKS, DAVID SIRDA, GB
[72] MCKAY, JOHN, GB
[71] EXPRO NORTH SEA LIMITED, GB
[85] 2022-03-04
[86] 2020-09-04 (PCT/GB2020/052125)
[87] (WO2021/058937)
[30] GB (1913915.3) 2019-09-26

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[13] A1
[51] **Int.Cl. A47L 11/24 (2006.01) A47L 11/40 (2006.01)**
[25] EN
[54] **CLEANING ASSEMBLY AND SMART CLEANING DEVICE**
[54] **ENSEMBLE DE NETTOYAGE ET DISPOSITIF DE NETTOYAGE INTELLIGENT**
[72] LIU, XIAOMING, CN
[72] GU, ERDONG, CN
[71] BEIJING ROBOROCK TECHNOLOGY CO., LTD., CN
[85] 2022-03-04
[86] 2020-08-18 (PCT/CN2020/109844)
[87] (WO2021/042984)
[30] CN (201910839233.3) 2019-09-05

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[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 9/06 (2006.01) A61K 9/107 (2006.01) A61K 47/10 (2017.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01) A61P 37/00 (2006.01) C07D 213/81 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING SIDE EFFECTS FROM ADMINISTRATION OF PHOSPHODIESTERASE-4 INHIBITORS**
[54] **PROCEDE DE REDUCTION D'EFFETS SECONDAIRES PROVENANT DE L'ADMINISTRATION D'INHIBITEURS DE PHOSPHODIESTERASE-4**
[72] WELGUS, HOWARD, US
[72] THURSTON, ARCHIE W., US
[72] OSBORNE, DAVID W., US
[71] ARCUTIS BIOTHERAPEUTICS, INC., US
[85] 2022-03-04
[86] 2020-04-20 (PCT/US2020/029008)
[87] (WO2021/045804)
[30] US (16/563,435) 2019-09-06

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[51] **Int.Cl. H04N 5/05 (2006.01) H04N 21/8547 (2011.01)**
[25] EN
[54] **FILTERING AND SMOOTHING SOURCES IN CAMERA TRACKING**
[54] **FILTRAGE ET LISSAGE DE SOURCES DANS LE SUIVI D'UNE CAMERA**
[72] SAUERMANN, FELIX, US
[71] SONY GROUP CORPORATION, JP
[71] SONY PICTURES ENTERTAINMENT, INC., US
[85] 2022-03-04
[86] 2020-12-10 (PCT/US2020/064248)
[87] (WO2021/119274)
[30] US (62/947,702) 2019-12-13
[30] US (16/990,274) 2020-08-11

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[51] **Int.Cl. C07K 14/54 (2006.01) A61K 35/17 (2015.01) A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C12N 9/88 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CA2-IL15 FUSION PROTEINS FOR TUNABLE REGULATION**
[54] **PROTEINES DE FUSION DE CA2-IL15 POUR UNE REGULATION ACCORDABLE**
[72] ELPEK, KUTLU GOKSU, US
[72] SETHI, DHRUV KAM, US
[72] LANGLEY, MEGHAN C., US
[72] EZELL, TUCKER READ, US
[72] SUN, DEXUE, US
[72] GORI, JENNIFER LEAH, US
[72] MYLVAGANAM, GEETHA HANNA, US
[72] OLS, MICHELLE, US
[72] FLEURY, MICHELLE, US
[72] RICHARDSON, CELESTE, US
[72] STORER, JAMES A., US
[72] SURI, VIPIN, US
[72] SUBRAMANIAN, SHYAMSUNDAR, US
[72] FOLEY, COLLEEN, US
[72] PERKINS, MOLLY REED, US
[72] TCHAICHA, JEREMY HATEM, US
[72] HELLER, SCOTT FRANCIS, US
[71] OBSIDIAN THERAPEUTICS, INC., US
[85] 2022-03-04
[86] 2020-09-10 (PCT/US2020/050273)
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[30] US (62/898,520) 2019-09-10

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[51] **Int.Cl. A23L 33/20 (2016.01) A23L 27/30 (2016.01) A23L 29/30 (2016.01) A23L 33/125 (2016.01)**
[25] EN
[54] **A COMPOSITION SUITABLE FOR THE REPLACEMENT OF GLUCOSE-SYRUP**
[54] **COMPOSITION APPROPRIEE POUR LE REMPLACEMENT DU SIROP DE GLUCOSE**
[72] CAN SARACLAR, YAMAN, TR
[72] TA?KIN, BURCAK, TR
[71] CARGILL, INCORPORATED, US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049515)
[87] (WO2021/046427)
[30] EP (19196009.5) 2019-09-06
[30] EP (19205249.6) 2019-10-25

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61P 37/06 (2006.01) C07K 14/55 (2006.01)**
[25] EN
[54] **CHIMERIC ORTHOGONAL RECEPTOR PROTEINS AND METHODS OF USE**
[54] **PROTEINES RECEPTRICES ORTHOGONALES CHIMERIQUES ET LEURS METHODES D'UTILISATION**
[72] SU, LEON LIH-REN, US
[72] GARCIA, KENAN CHRISTOPHER, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-03-04
[86] 2020-09-10 (PCT/US2020/050232)
[87] (WO2021/050752)
[30] US (62/898,917) 2019-09-11

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE PRODUCTION METHOD, AND OPTICAL FIBER CABLE**
[54] **PROCEDE DE PRODUCTION DE CABLE A FIBRE OPTIQUE, ET CABLE A FIBRE OPTIQUE**
[72] KAJI, TOMOAKI, JP
[72] NAMAZUE, AKIRA, JP
[72] OSATO, KEN, JP
[71] FUJIKURA LTD., JP
[85] 2022-03-04
[86] 2020-08-11 (PCT/JP2020/030567)
[87] (WO2021/070466)
[30] JP (2019-185963) 2019-10-09

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[13] A1
[51] **Int.Cl. C12N 15/90 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **METHOD FOR EVALUATING GENE EDITING THERAPY BASED ON OFF-TARGET ASSESSMENT**
[54] **PROCEDE D'EVALUATION D'UNE THERAPIE D'EDITION GENIQUE SUR LA BASE D'UNE EVALUATION HORS CIBLE**
[72] YUAN, PENGFEI, CN
[72] FANG, RIGUO, CN
[72] JIN, MING, CN
[72] ZHANG, YONGJIAN, CN
[71] EDIGENE INC., CN
[85] 2022-03-04
[86] 2020-09-04 (PCT/CN2020/113562)
[87] (WO2021/043278)
[30] CN (PCT/CN2019/104303) 2019-09-04

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[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CROSS-REACTIVE EPITOPE FOR MULTIPLE SCLEROSIS**
[54] **EPITOPE A REACTIVITE CROISEE POUR LA SCLEROSE EN PLAQUES**
[72] SALIGRAMA, NARESHA, US
[72] DAVIS, MARK M., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-03-04
[86] 2020-09-03 (PCT/US2020/049242)
[87] (WO2021/046244)
[30] US (62/895,805) 2019-09-04

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/071 (2010.01) C12N 15/85 (2006.01)**
[25] EN
[54] **UNIVERSAL DONOR CELLS**
[54] **CELLULES DONNEUSES UNIVERSELLES**
[72] REZANIA, ALIREZA, US
[72] RAMOS-ZAYAS, REBECA, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2022-03-04
[86] 2020-09-04 (PCT/IB2020/058279)
[87] (WO2021/044377)
[30] US (62/896,477) 2019-09-05
[30] US (62/979,756) 2020-02-21

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[13] A1
[51] **Int.Cl. G01N 30/40 (2006.01) G01N 30/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CHROMATOGRAPHY USE AND REGENERATION**
[54] **SYSTEMES ET PROCEDES D'UTILISATION ET DE REGENERATION DE CHROMATOGRAPHIE**
[72] STAIRS, ROBERT, US
[72] REILLY, JAMES, US
[72] MATTILA, JOHN, US
[72] WADSWORTH, SAMANTHA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-03-04
[86] 2020-09-23 (PCT/US2020/052243)
[87] (WO2021/061790)
[30] US (62/905,033) 2019-09-24
[30] US (62/958,899) 2020-01-09

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **UNIVERSAL DONOR CELLS**
[54] **CELLULES DONNEUSES UNIVERSELLES**
[72] REZANIA, ALIREZA, US
[72] RAMOS-ZAYAS, REBECA, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2022-03-04
[86] 2020-09-04 (PCT/IB2020/058281)
[87] (WO2021/044379)
[30] US (62/896,473) 2019-09-05
[30] US (62/979,771) 2020-02-21

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4453 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/551 (2006.01) A61K 31/553 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PREVENTING OR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASES (COPD)**
[54] **COMPOSITIONS POUR LA PREVENTION OU LE TRAITEMENT DE BRONCHO-PNEUMOPATHIES CHRONIQUES OBSTRUCTIVES (BPCO)**
[72] CHOI, YOUNG IL, KR
[72] HA, NINA, KR
[72] SUH, DONG HYEON, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2022-03-04
[86] 2020-10-22 (PCT/IB2020/059919)
[87] (WO2021/079300)
[30] KR (10-2019-0132501) 2019-10-23

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[13] A1
[51] **Int.Cl. A63F 9/04 (2006.01) A63F 9/24 (2006.01)**
[25] EN
[54] **DICE SHAKING MECHANISM**
[54] **MECANISME D'AGITATION DE DES**
[72] JACKSON, GAVIN, GB
[71] TCS JOHN HUXLEY EUROPE LIMITED, GB
[85] 2022-03-04
[86] 2020-10-01 (PCT/GB2020/052403)
[87] (WO2021/069867)
[30] GB (1914772.7) 2019-10-11

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[13] A1
[51] **Int.Cl. G21C 1/03 (2006.01) G21C 1/32 (2006.01)**
[25] EN
[54] **A NUCLEAR REACTOR COMPRISING A REACTOR LID AND AN ADDITIONAL INNER LID**
[54] **REACTEUR NUCLEAIRE COMPRENANT UN COUVERCLE DE REACTEUR ET UN COUVERCLE INTERNE SUPPLEMENTAIRE**
[72] SZAKALOS, PETER, SE
[72] WALLENIUS, JANNE, SE
[71] BLYKALLA REAKTORER STOCKHOLM AB, SE
[85] 2022-03-04
[86] 2020-09-04 (PCT/SE2020/050839)
[87] (WO2021/045674)
[30] SE (1951016-3) 2019-09-05

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[13] A1
[51] **Int.Cl. G06F 16/24 (2019.01)**
[25] EN
[54] **QUERY REWRITE FOR LOW PERFORMING QUERIES BASED ON CUSTOMER BEHAVIOR**
[54] **REECRITURE D'INTERROGATION POUR INTERROGATIONS PEU EXECUTEES BASEE SUR LE COMPORTEMENT D'UN CLIENT**
[72] ZHAO, MENG, US
[72] WHITE, JAMES MORGAN, US
[72] JAVED, FAIZAN, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049403)
[87] (WO2021/046349)
[30] US (62/896,404) 2019-09-05
[30] US (17/011,674) 2020-09-03

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 45/06 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **NOVEL CARRIER PARTICLES FOR DRY POWDER FORMULATIONS FOR INHALATION**
[54] **NOUVELLES PARTICULES DE SUPPORT POUR FORMULATIONS DE POUDRE SECHE POUR INHALATION**
[72] GUIDI, TOMASO, IT
[72] BENASSI, ANDREA, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2022-03-04
[86] 2020-09-22 (PCT/EP2020/076369)
[87] (WO2021/058454)
[30] EP (19199337.7) 2019-09-24

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **COMPLEMENTARY ITEM RECOMMENDATIONS BASED ON MULTI-MODAL EMBEDDINGS**
[54] **RECOMMANDATIONS D'ARTICLES COMPLEMENTAIRES BASEES SUR DES INCORPORATIONS MULTIMODALES**
[72] AL JADDA, KHALIFEH, US
[72] AHSAN, UNAIZA, US
[72] WU, SAN HE, US
[72] QU, HUIMING, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049439)
[87] (WO2021/046372)
[30] US (62/896,383) 2019-09-05
[30] US (17/011,543) 2020-09-03

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[13] A1
[51] **Int.Cl. H05H 1/26 (2006.01) H05H 1/34 (2006.01)**
[25] EN
[54] **WEAR PART FOR AN ARC TORCH AND PLASMA TORCH, ARC TORCH AND PLASMA TORCH COMPRISING SAME, METHOD FOR PLASMA CUTTING AND METHOD FOR PRODUCING AN ELECTRODE FOR AN ARC TORCH AND PLASMA TORC**
[54] **PIECE D'USURE POUR CHALUMEAU A ARC ET CHALUMEAU A PLASMA ET CHALUMEAU A ARC ET CHALUMEAU A PLASMA COMPRENANT CETTE PIECE D'USURE ET PROCEDE DE DECOUPAGE AU PLASMA ET PROCEDE DE FABRICATION D'UNE ELECTRODE POUR UN CHALUMEAU A ARC ET UN CHALUMEAU A PLASM**
[72] KRINK, VOLKER, DE
[72] LAURISCH, FRANK, DE
[72] REINKE, RALF-PETER, DE
[72] JEHNERT, KATRIN, DE
[71] KJELLBERG STIFTUNG, DE
[85] 2022-03-04
[86] 2020-04-15 (PCT/DE2020/100301)
[87] (WO2021/047708)
[30] DE (10 2019 124 521.4) 2019-09-12

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[13] A1
[51] **Int.Cl. E06B 3/673 (2006.01) E06B 3/663 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MANUFACTURING AND APPLYING A RIGID SPACER FRAME TO AN INSULATING GLASS**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION ET D'APPLICATION D'UN CADRE D'ESPACEMENT RIGIDE SUR UN VITRAGE ISOLANT**
[72] VIANELLO, FORTUNATO, IT
[72] VIANELLO, RICCARDO, IT
[71] FOREL SPA, IT
[85] 2022-03-04
[86] 2020-09-22 (PCT/IB2020/058829)
[87] (WO2021/059123)
[30] IT (102019000017270) 2019-09-26

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONDUCTIVE HYDROGELS USABLE AS LEAD EXTENSIONS, APPARATUS FOR DELIVERY OF A HYDROGEL INTO THE VASCULASTURE, AND METHODS OF TREATING VENTRICULAR ARRHYTHMIA WITH ELECTRICALLY CONDUCTIVE HYDROGELS INJECTED IN THE VENOUS SYSTE**
[54] **HYDROGELS ELECTROCONDUCTEURS POUVANT ETRE UTILISES EN TANT QU'EXTENSIONS DE FIL, APPAREIL D'ADMINISTRATION D'UN HYDROGEL DANS LA VASCULASTURE, ET METHODES DE TRAITEMENT D'ARYTHMIE VENTRICULAIRE AVEC DES HYDROGELS ELECTROCONDUCTEURS INJECTES DANS LE SYSTEME VEINEU**
[72] COSSGRIFF-HERNANDEZ, ELIZABETH, US
[72] JOHN, MATHEWS, US
[72] POST, ALLISON, US
[72] WILEMS, THOMAS, US
[72] CHWATKO, MALGORZATA, US
[72] RAZAVI, MEHDI, US
[72] ROOK, ASHLEY, US
[71] TEXAS HEART INSTITUTE, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049532)
[87] (WO2021/046441)
[30] US (62/896,480) 2019-09-05

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[13] A1
[51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/013 (2006.01)**
[25] EN
[54] **AN AUTOMATIC MILKING SYSTEM AND A METHOD OF DETERMINING A HEALTH CONDITION OF AN ANIMAL**
[54] **SYSTEME DE TRAITE AUTOMATIQUE ET PROCEDE DE DETERMINATION D'UN ETAT DE SANTE D'UN ANIMAL**
[72] BONESTROO, JOHN, SE
[72] KLAAS, ILKA, SE
[71] DELAVAL HOLDING AB, SE
[85] 2022-03-04
[86] 2020-09-29 (PCT/SE2020/050913)
[87] (WO2021/066712)
[30] SE (1951106-2) 2019-09-30

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[13] A1
[51] **Int.Cl. C07D 317/46 (2006.01) A01N 43/30 (2006.01)**
[25] EN
[54] **PIPERONYLIC ACID DERIVATIVE AND APPLICATION THEREOF**
[54] **DERIVE D'ACIDE PIPERIQUE ET SON APPLICATION**
[72] WU, HONGFEI, CN
[72] XU, JINGBO, CN
[72] LIU, SHAOWU, CN
[72] YU, HAIBO, CN
[72] BAN, LANFENG, CN
[72] XU, LIBAO, CN
[72] CHENG, XUEMING, CN
[72] GUO, CHUNXIAO, CN
[72] SUN, NINGNING, CN
[71] SHENYANG SINOCHEM AGROCHEMICALS R&D CO., LTD., CN
[85] 2022-03-04
[86] 2020-09-01 (PCT/CN2020/112749)
[87] (WO2021/043115)
[30] CN (201910842263.X) 2019-09-06

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[13] A1
[51] **Int.Cl. C12P 19/34 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6848 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **KITS AND METHODS FOR TESTING FOR LUNG CANCER RISKS**
[54] **KITS ET PROCEDES POUR TESTER DES RISQUES DE CANCER DU POUMON**
[72] WILLEY, JAMES C., US
[72] CRAIG, DANIEL J., US
[72] BLOMQUIST, THOMAS M., US
[72] CRAWFORD, ERIN L., US
[72] YEO, JI-YOUN, US
[71] THE UNIVERSITY OF TOLEDO, US
[85] 2022-03-04
[86] 2020-09-08 (PCT/US2020/049629)
[87] (WO2021/046502)
[30] US (62/897,343) 2019-09-08

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[13] A1
[51] **Int.Cl. C08K 5/134 (2006.01) C08K 5/5425 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING THE STORAGE STABILITY AND/OR TRANSPORT STABILITY OF A POLYMER**
[54] **PROCEDE D'AMELIORATION DE LA STABILITE AU STOCKAGE ET/OU DE LA STABILITE AU TRANSPORT D'UN POLYMERE**
[72] RUSKEENIEMI, JARI-JUSSI, FI
[72] ODERKERK, JEROEN, SE
[72] HARTIKAINEN, JUHA, FI
[72] PIEL, TANJA, AT
[72] MILEVA, DANIELA, AT
[72] PRIETO, OSCAR, SE
[72] HELLSTROEM, STEFAN, SE
[71] BOREALIS AG, AT
[85] 2022-03-04
[86] 2020-09-02 (PCT/EP2020/074381)
[87] (WO2021/043782)
[30] EP (19195784.4) 2019-09-06

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[13] A1
[51] **Int.Cl. F16D 48/06 (2006.01) F16D 48/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ESTIMATING CLUTCH PARAMETERS**
[54] **PROCEDE ET SYSTEME D'ESTIMATION DE PARAMETRES D'EMBRAYAGE**
[72] DOURRA, HUSSEIN, US
[72] ZHU, GUOMING, US
[72] WEI, WENPENG, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2022-03-04
[86] 2020-09-01 (PCT/US2020/048944)
[87] (WO2021/046055)
[30] US (62/896,740) 2019-09-06
[30] US (63/050,250) 2020-07-10

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[13] A1
[51] **Int.Cl. G06F 16/2455 (2019.01) G06F 16/182 (2019.01) G06F 16/23 (2019.01) G06F 16/33 (2019.01)**
[25] EN
[54] **MODIFICATION OF IN-EXECUTION SMART CONTRACT PROGRAMS**
[54] **MODIFICATION DE PROGRAMMES DE CONTRAT INTELLIGENT EN EXECUTION**
[72] HUNTER, EDWARD, US
[71] DIGITAL ASSET CAPITAL, INC., US
[85] 2022-03-04
[86] 2020-09-08 (PCT/US2020/049777)
[87] (WO2021/046552)
[30] US (62/897,240) 2019-09-06
[30] US (62/959,377) 2020-01-10
[30] US (62/959,418) 2020-01-10
[30] US (62/959,481) 2020-01-10
[30] US (63/020,808) 2020-05-06
[30] US (63/033,063) 2020-06-01
[30] US (63/034,255) 2020-06-03
[30] US (16/893,290) 2020-06-04
[30] US (16/893,295) 2020-06-04
[30] US (16/893,299) 2020-06-04
[30] US (16/893,318) 2020-06-04
[30] US (63/052,329) 2020-07-15
[30] US (63/053,217) 2020-07-17
[30] US (63/055,783) 2020-07-23
[30] US (63/056,984) 2020-07-27

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[13] A1
[51] **Int.Cl. C07C 29/42 (2006.01)**
[25] EN
[54] **METHOD FOR ADDITION REACTION OF ACETYLENE AND KETONE COMPOUND**
[54] **PROCEDE POUR EFFECTUER UNE REACTION D'ADDITION ENTRE DE L'ACETYLENE ET UN COMPOSE CETONE**
[72] HONG, HAO, US
[72] LU, JIANGPING, CN
[72] FENG, XICHUN, CN
[72] ZHANG, XIN, CN
[72] YAN, BO, CN
[71] ASYMCHEM LIFE SCIENCE (TIANJIN) CO., LTD., CN
[85] 2022-03-04
[86] 2019-09-17 (PCT/CN2019/106220)
[87] (WO2021/051275)

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[13] A1
[51] **Int.Cl. G01W 1/14 (2006.01) G01G 19/00 (2006.01)**
[25] FR
[54] **RAIN GAUGE DEVICE**
[54] **DISPOSITIF PLUVIOMETRE**
[72] BOISSENIN, BRUNO, FR
[71] SENCROP, FR
[85] 2022-03-04
[86] 2020-09-04 (PCT/EP2020/074868)
[87] (WO2021/044033)
[30] FR (FR1909765) 2019-09-05

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[13] A1
[51] **Int.Cl. E21B 23/01 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **BARRIER COATING LAYER FOR AN EXPANDABLE MEMBER WELLBORE TOOL**
[54] **COUCHE DE REVETEMENT BARRIERE POUR UN OUTIL DE PUITS DE FORAGE A ELEMENT EXTENSIBLE**
[72] FRIPP, MICHAEL LINLEY, US
[72] ZHONG, XIAOGUANG ALLAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-04
[86] 2019-12-20 (PCT/US2019/067779)
[87] (WO2021/126232)
[30] US (16/722,253) 2019-12-20

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[13] A1
[51] **Int.Cl. A61K 31/165 (2006.01) A61P 25/16 (2006.01) C07F 9/09 (2006.01)**
[25] EN
[54] **LIQUID COMPOSITIONS COMPRISING A LEVODOPA AMINO ACID CONJUGATE AND USES THEREOF**
[54] **COMPOSITIONS LIQUIDES COMPRENANT UN CONJUGUE D'ACIDES AMINES DE LEVODOPA ET LEURS UTILISATIONS**
[72] MOROKUMA, KENJI, JP
[72] IIJIMA, DAISUKE, JP
[72] OKUNO, MASATAKA, JP
[72] NAKAO, AKIRA, JP
[72] BRAIMAN-WIKSMAN, LIORA, IL
[72] GAZAL, ELANA, IL
[72] SHALTIEL-KARYO, RONIT, IL
[72] MAINFELD, ALEX, IL
[72] ZAWOZNIK, EDUARDO, IL
[72] BEN-HAMO, SHMUEL, IL
[71] NEURODERM, LTD., IL
[85] 2022-03-04
[86] 2020-09-03 (PCT/IL2020/050960)
[87] (WO2021/044420)
[30] US (62/896,518) 2019-09-05
[30] US (62/897,648) 2019-09-09

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/07 (2012.01) E21B 47/135 (2012.01) E21B 47/00 (2012.01)**
[25] EN
[54] **WELL INTERFERENCE SENSING AND FRACTURING TREATMENT OPTIMIZATION**
[54] **DETECTION D'INTERFERENCE ENTRE PUITS ET OPTIMISATION DE TRAITEMENT DE FRACTURATION**
[72] JAASKELAINEN, MIKKO, US
[72] WALTERS, HAROLD GRAYSON, US
[72] DOYLE, CRISPIN, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-04
[86] 2019-12-26 (PCT/US2019/068524)
[87] (WO2021/133391)
[30] US (16/724,581) 2019-12-23

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[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **DATA CENTRE**
[54] **CENTRE DE DONNEES**
[72] THORNTON, WILLIAM, GB
[72] FAVILL, AARON, GB
[71] BRIPCO (UK) LIMITED, GB
[85] 2022-03-04
[86] 2019-09-10 (PCT/GB2019/052516)
[87] (WO2020/053569)
[30] GB (1814906.2) 2018-09-13

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[13] A1
[51] **Int.Cl. A23L 19/00 (2016.01) A23L 2/52 (2006.01) A61K 33/24 (2019.01)**
[25] EN
[54] **DIETARY SUPPLEMENT TO PROMOTE GUT HEALTH**
[54] **COMPLEMENT ALIMENTAIRE POUR FAVORISER LA SANTE INTESTINALE**
[72] COOPER, JENNIFER, US
[71] TERRAGENICS NUTRITION, INC., US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049488)
[87] (WO2021/046408)
[30] US (62/897,156) 2019-09-06
[30] US (62/897,630) 2019-09-09

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[13] A1
[51] **Int.Cl. H04N 19/50 (2014.01) H04N 19/13 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS OF HIGH-LEVEL SIGNALING FOR WEIGHTED PREDICTION**
[54] **PROCEDE ET APPAREIL DE SIGNALISATION DE HAUT NIVEAU POUR PREDICTION PONDEREE**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, CN
[72] RUFITSKIY, VASILY ALEXEEVICH, CN
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-04
[86] 2020-09-07 (PCT/RU2020/050214)
[87] (WO2021/045653)
[30] RU (PCT/RU2019/000625) 2019-09-06

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[13] A1
[51] **Int.Cl. G06F 16/2455 (2019.01) G06F 16/182 (2019.01) G06F 16/23 (2019.01) G06F 16/33 (2019.01)**
[25] EN
[54] **GRAPH OUTCOME DETERMINATION IN DOMAIN-SPECIFIC EXECUTION ENVIRONMENT**
[54] **DETERMINATION DE RESULTAT DE GRAPHE DANS UN ENVIRONNEMENT D'EXECUTION SPECIFIQUE AU DOMAINE**
[72] HUNTER, EDWARD, US
[71] DIGITAL ASSET CAPITAL, INC., US
[85] 2022-03-04
[86] 2020-09-08 (PCT/US2020/049757)
[87] (WO2021/046541)
[30] US (62/897,240) 2019-09-06
[30] US (62/959,377) 2020-01-10
[30] US (62/959,418) 2020-01-10
[30] US (62/959,481) 2020-01-10
[30] US (63/020,808) 2020-05-06
[30] US (63/033,063) 2020-06-01
[30] US (63/034,255) 2020-06-03
[30] US (16/893,290) 2020-06-04
[30] US (16/893,295) 2020-06-04
[30] US (16/893,299) 2020-06-04
[30] US (16/893,318) 2020-06-04
[30] US (63/052,329) 2020-07-15
[30] US (63/053,217) 2020-07-17
[30] US (63/055,783) 2020-07-23
[30] US (63/056,984) 2020-07-27

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[13] A1
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/82 (2014.01) H04N 19/86 (2014.01)**
[25] EN
[54] **DEBLOCKING FILTER SELECTION IN VIDEO OR IMAGE CODING**
[54] **SELECTION DE FILTRE DE DEGROUPAGE POUR UN CODAGE DE VIDEO OU D'IMAGE**
[72] ANDERSSON, KENNETH, SE
[72] ENHORN, JACK, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-03-04
[86] 2020-09-04 (PCT/SE2020/050835)
[87] (WO2021/045671)
[30] US (62/897,004) 2019-09-06

[21] **3,150,264**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06F 21/57 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING AND CORRECTING COMPUTER SYSTEM SECURITY PRACTICES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE SURVEILLER ET DE CORRIGER DES PRATIQUES DE SECURITE DE SYSTEME INFORMATIQUE**
[72] JONES, JACK ALLEN, US
[71] RISKLENS, INC., US
[85] 2022-03-04
[86] 2020-08-05 (PCT/US2020/044948)
[87] (WO2021/055112)
[30] US (16/573,175) 2019-09-17

[21] **3,150,265**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES AGAINST CEACAM5 AND CD3**
[54] **ANTICORPS BISPECIFIQUES DIRIGES CONTRE CEACAM5 ET CD3**
[72] MAJOCCHI, SARA, CH
[72] STREIN, KLAUS, DE
[71] LAMKAP BIO ALPHA AG, CH
[85] 2022-03-04
[86] 2020-09-17 (PCT/IB2020/058690)
[87] (WO2021/053587)
[30] EP (19198124.0) 2019-09-18
[30] US (62/902,150) 2019-09-18

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[13] A1
[51] **Int.Cl. A61K 31/401 (2006.01)**
[25] EN
[54] **CANNABIGEROL PROLINE COCRYSTALS**
[54] **COCRISTAUX DE CANNABIGEROL-PROLINE**
[72] HOLLAND, JOANNE, GB
[72] EBERLIN, ALEX, GB
[71] EBERS TECH INC., CA
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049334)
[87] (WO2021/046303)
[30] US (62/896,868) 2019-09-06

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[13] A1
[51] **Int.Cl. A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF A MULTI-TYROSINE KINASE INHIBITOR, METHOD OF PREPARATION, AND USE THEREOF**
[54] **FORME CRISTALLINE D'UN INHIBITEUR DE LA TYROSINE KINASE MULTIPLE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] RAEPPEL, STEPHANE L., CA
[72] RAEPPEL, FRANCK, CA
[71] MIRATI THERAPEUTICS, INC., US
[85] 2022-03-05
[86] 2020-09-09 (PCT/US2020/049986)
[87] (WO2021/050580)
[30] US (62/898,469) 2019-09-10

[21] **3,150,278**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 21/56 (2013.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049936)
[87] (WO2021/050544)
[30] US (62/897,703) 2019-09-09

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/12 (2013.01) G06F 21/54 (2013.01) G06F 21/60 (2013.01) G06F 8/60 (2018.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049903)
[87] (WO2021/050519)
[30] US (62/897,703) 2019-09-09

[21] **3,150,285**
[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/12 (2013.01) G06F 21/54 (2013.01) G06F 21/60 (2013.01) G06F 8/60 (2018.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049912)
[87] (WO2021/050525)
[30] US (62/897,703) 2019-09-09

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/12 (2013.01) G06F 21/54 (2013.01) G06F 21/60 (2013.01) G06F 8/60 (2018.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049899)
[87] (WO2021/050516)
[30] US (62/897,703) 2019-09-09

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[13] A1
[51] **Int.Cl. D21H 11/18 (2006.01) D21D 1/00 (2006.01) D21H 15/02 (2006.01) D21H 17/00 (2006.01) D21H 17/26 (2006.01) D21H 17/55 (2006.01) D21H 21/20 (2006.01) D21H 25/00 (2006.01) D21H 27/00 (2006.01) D21H 27/30 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **PAPER PRODUCTS INCORPORATING SURFACE ENHANCED PULP FIBERS AND HAVING DECOUPLED WET AND DRY STRENGTHS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS EN PAPIER COMPRENANT DES FIBRES DE PATE A PAPIER EXALTEES DE SURFACE ET AYANT DES RESISTANCES A L'ETAT HUMIDE ET A SEC DECOUPLEES ET LEURS PROCEDES DE FABRICATION**
[72] LANGFORD, BRADLEY, US
[72] LLOYD, DAVID, US
[72] RANSON, BRIAN, US
[72] JOHNSTON, GWEN, US
[72] KAVALEW, DALE, US
[71] DOMTAR PAPER COMPANY, LLC, US
[85] 2022-03-07
[86] 2020-09-23 (PCT/US2020/052179)
[87] (WO2021/061747)
[30] US (62/904,413) 2019-09-23

[21] **3,150,293**
[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/12 (2013.01) G06F 21/54 (2013.01) G06F 21/60 (2013.01) G06F 8/60 (2018.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049930)
[87] (WO2021/050539)
[30] US (62/897,703) 2019-09-09

[21] **3,150,294**
[13] A1
[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **REDOX FLOW BATTERY ELECTROLYTES WITH 2,5-DIMERCAPTO-1,3,4-THIADIAZOLE ("DMTD") AND ITS DERIVATIVES**
[54] **ELECTROLYTES DE BATTERIE REDOX A CIRCULATION A BASE DE 2,5-DIMERCAPTO-1,3,4-THIADIAZOLE ("DMTD") ET SES DERIVES**
[72] ZHANG, SHIYU, US
[72] ADAMS, PAUL E., US
[72] DAVIS, SHELBY, US
[72] RASIK, CHRISTOPHER M., US
[72] TUTTLE, MADISON, US
[71] THE LUBRIZOL CORPORATION, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2022-03-07
[86] 2020-09-14 (PCT/US2020/050686)
[87] (WO2021/055275)
[30] US (62/901,307) 2019-09-17

[21] **3,150,297**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/46 (2006.01)**
[25] EN
[54] **PREPARATION OF HOT, MILK-CONTAINING BEVERAGE**
[54] **PREPARATION D'UNE BOISSON CHAUDE CONTENANT DU LAIT**
[72] VAN DRUTEN, WIEBE NICOLAAS, NL
[71] FRIESLANDCAMPINA NEDERLAND HOLDING B.V., NL
[85] 2022-03-07
[86] 2020-10-02 (PCT/EP2020/077637)
[87] (WO2021/064163)
[30] EP (19201298.7) 2019-10-03

[21] **3,150,298**
[13] A1
[51] **Int.Cl. G06F 9/451 (2018.01) G06F 3/0484 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPERATING A MOBILE APPLICATION USING A CONVERSATION INTERFACE**
[54] **SYSTEMES ET PROCEDES DE FONCTIONNEMENT D'UNE APPLICATION MOBILE A L'AIDE D'UNE INTERFACE DE CONVERSATION**
[72] AGARWAL, PAVAN, US
[72] SANCHEZ, GABRIEL ALBORS, US
[72] RIVERA, JONATHAN ORTIZ, US
[71] CELLIGENCE INTERNATIONAL LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049891)
[87] (WO2021/050513)
[30] US (16/565,452) 2019-09-09

[21] **3,150,299**
[13] A1
[51] **Int.Cl. C07D 285/125 (2006.01) C07D 417/12 (2006.01) C10M 129/16 (2006.01)**
[25] EN
[54] **2,5-DIMERCAPTO-1,3,4-THIADIAZOLE ("DMTD") DERIVATIVES**
[54] **DERIVES DE 2,5-DIMERCAPTO-1,3,4-THIADIAZOLE ("DMTD")**
[72] ADAMS, PAUL E., US
[72] RASIK, CHRISTOPHER M., US
[72] KONRAD, RYAN, US
[71] THE LUBRIZOL CORPORATION, US
[85] 2022-03-07
[86] 2020-09-16 (PCT/US2020/050947)
[87] (WO2021/055388)
[30] US (62/901,312) 2019-09-17

[21] **3,150,301**
[13] A1
[51] **Int.Cl. A61K 31/55 (2006.01) A61K 9/10 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **PALATABLE GRANULAR VETERINARY COMPOSITIONS**
[54] **COMPOSITIONS VETERINAIRES GRANULAIRES DE GOUT AGREABLE**
[72] ROSS, STACY, US
[72] STEFANICK, JARED, US
[71] ELANCO US INC., US
[85] 2022-03-07
[86] 2020-09-04 (PCT/US2020/049336)
[87] (WO2021/046305)
[30] US (62/897,103) 2019-09-06

[21] **3,150,306**
[13] A1
[51] **Int.Cl. B62D 55/04 (2006.01) B62D 55/20 (2006.01) B62D 55/26 (2006.01) B62D 55/275 (2006.01)**
[25] EN
[54] **TRACK SECTION WITH CROSSBAR AND TRACK BELT FORMED BY SUCH TRACK SECTIONS**
[54] **SECTION DE CHENILLE DOTEE D'UNE BARRE TRANSVERSALE ET COURROIE DE CHENILLE FORMEE PAR DE TELLES SECTIONS DE CHENILLE**
[72] TORFVE SANDGREN, CHRISTOFFER, SE
[71] OLOFSFORS AB, SE
[85] 2022-03-07
[86] 2020-09-22 (PCT/EP2020/076376)
[87] (WO2021/063738)
[30] EP (19200441.4) 2019-09-30

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[51] **Int.Cl. F16L 15/06 (2006.01) E21B 17/042 (2006.01) F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR PIPE**
[54] **JOINT FILETE POUR TUYAU**
[72] OKU, YOUSUKE, JP
[72] MARUTA, SATOSHI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2022-03-07
[86] 2020-12-22 (PCT/JP2020/047835)
[87] (WO2021/145161)
[30] JP (2020-005810) 2020-01-17

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[51] **Int.Cl. A61K 38/17 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **PROTEIN TAG TO INDUCE LIGAND DEPENDENT DEGRADATION OF PROTEIN/PROTEIN-FUSIONS**
[54] **ETIQUETTE PROTEIQUE POUR INDUIRE UNE DEGRADATION DEPENDANTE D'UN LIGAND DE FUSIONS PROTEINE/PROTEINE**
[72] FISCHER, ERIC S., US
[72] BURMAN, SHOURYA SONKAR ROY, US
[72] FAUST, TYLER, US
[72] YOON, HOJONG, US
[72] NOWAK, RADOSLAW P., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2022-03-07
[86] 2020-09-17 (PCT/US2020/051156)
[87] (WO2021/055530)
[30] US (62/902,275) 2019-09-18

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/075 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **TREHALOSE FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS DE TREHALOSE ET LEURS UTILISATIONS**
[72] MEHRA, RAJ, US
[72] WASIEWSKI, WARREN, US
[72] KRISHNA, GOPAL, US
[71] SEELOS THERAPEUTICS, INC., US
[85] 2022-03-07
[86] 2020-09-29 (PCT/US2020/053226)
[87] (WO2021/067243)
[30] US (62/908,784) 2019-10-01

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[51] **Int.Cl. B60L 58/10 (2019.01)**
[25] EN
[54] **BATTERY MANAGEMENT SYSTEM WITH DUAL CAN MESSAGING**
[54] **SYSTEME DE GESTION DE BATTERIE A DOUBLE MESSAGERIE CAN**
[72] COOPER, ANTHONY, US
[72] CHANDRASHEKHARIAH, RAGHURAM DEVANUR, US
[72] HULLINGER, SCOTT, US
[71] GREEN CUBES TECHNOLOGY, LLC, US
[85] 2022-03-07
[86] 2020-09-23 (PCT/US2020/052330)
[87] (WO2021/061865)
[30] US (62/904,032) 2019-09-23

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[13] A1
[51] **Int.Cl. A61K 31/7084 (2006.01) A61K 39/39 (2006.01) C07F 9/6574 (2006.01)**
[25] EN
[54] **ERK5 DEGRADERS AS THERAPEUTICS IN CANCER AND INFLAMMATORY DISEASES**
[54] **AGENTS DE DEGRADATION DE L'ERK5 UTILISES COMME AGENTS THERAPEUTIQUES DANS LE CANCER ET LES MALADIES INFLAMMATOIRES**
[72] GRAY, NATHANAEL S., US
[72] WANG, JINHUA, US
[72] FERGUSON, FLEUR MARCIA, US
[72] JIANG, JIE, US
[72] YOU, INCHUL, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2022-03-07
[86] 2020-09-24 (PCT/US2020/052371)
[87] (WO2021/061894)
[30] US (62/907,377) 2019-09-27

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[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) C12N 5/071 (2010.01) C08J 3/00 (2006.01) C08J 3/075 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING HEALTHY INTESTINAL ORGANOIDS**
[54] **PROCEDE D'OBTENTION D'ORGANOIDES INTESTINAUX SAINS**
[72] RIZZI, SIMONE, CH
[72] TOUATI, JEREMY, CH
[72] FREGNI, GIULIA, CH
[72] BUCHANAN PISANO, CARA, CH
[72] COUMAILLEAU, FRANCK, CH
[72] HEULOT, MATHIEU, CH
[71] PRECISION CANCER TECHNOLOGIES INC., CA
[85] 2022-03-07
[86] 2020-08-24 (PCT/EP2020/073586)
[87] (WO2021/043606)
[30] EP (19195855.2) 2019-09-06

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[13] A1
[51] **Int.Cl. H01G 11/18 (2013.01) H01G 11/10 (2013.01)**
[25] EN
[54] **LIC MODULE**
[54] **MODULE LIC**
[72] OHNO, TATSUYA, JP
[72] ONODERA, TATSUYA, JP
[72] HINO, TAKENORI, JP
[72] KUJIME, YASUNORI, JP
[72] HARADA, YOSHITERU, JP
[72] EZAKI, HIDEAKI, JP
[72] HAYASHI, MASATO, JP
[72] TANG, ISSAC, JP
[72] LAMINETTE, ANTOINE, JP
[72] LINDSTROM, JEREMY, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2022-03-07
[86] 2019-09-17 (PCT/JP2019/036384)
[87] (WO2021/053718)

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[13] A1
[51] **Int.Cl. A47B 96/06 (2006.01) F16B 12/24 (2006.01) F16B 12/26 (2006.01)**
[25] EN
[54] **IMPROVED SUPPORT DEVICE FOR FURNITURE SHELVES**
[54] **DISPOSITIF DE SUPPORT AMELIORE POUR ETAGERES**
[72] CATTANEO, CARLO, IT
[71] LEONARDO S.R.L., IT
[85] 2022-03-07
[86] 2020-09-09 (PCT/IB2020/058361)
[87] (WO2021/053463)
[30] IT (102019000016343) 2019-09-16

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[13] A1
[51] **Int.Cl. G06F 16/2455 (2019.01) G06F 16/182 (2019.01) G06F 16/33 (2019.01)**
[25] EN
[54] **GRAPH-MANIPULATION BASED DOMAIN-SPECIFIC EXECUTION ENVIRONMENT**
[54] **ENVIRONNEMENT D'EXECUTION SPECIFIQUE AU DOMAINE BASE SUR LA MANIPULATION DE GRAPHES**
[72] HUNTER, EDWARD, US
[71] DIGITAL ASSET CAPITAL, INC., US
[85] 2022-03-07
[86] 2020-09-08 (PCT/US2020/049755)
[87] (WO2021/046540)
[30] US (62/897,240) 2019-09-06
[30] US (62/959,377) 2020-01-10
[30] US (62/959,418) 2020-01-10
[30] US (62/959,481) 2020-01-10
[30] US (63/020,808) 2020-05-06
[30] US (63/033,063) 2020-06-01
[30] US (63/034,255) 2020-06-03
[30] US (16/893,290) 2020-06-04
[30] US (16/893,295) 2020-06-04
[30] US (16/893,299) 2020-06-04
[30] US (16/893,318) 2020-06-04
[30] US (63/052,329) 2020-07-15
[30] US (63/053,217) 2020-07-17
[30] US (63/055,783) 2020-07-23
[30] US (63/056,984) 2020-07-27

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[13] A1
[51] **Int.Cl. H02J 3/38 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL GRID-CONNECTED POWER GENERATION SYSTEM AND CONTROL METHOD THEREFOR**
[54] **SYSTEME DE PRODUCTION D'ENERGIE CONNECTE A UN RESEAU A CANAUX MULTIPLES ET SON PROCEDE DE COMMANDE**
[72] XIANG, GUOHUA, CN
[72] CHENG, LIN, CN
[72] DING, JIE, CN
[72] PAN, NIANAN, CN
[71] SUNGROW POWER SUPPLY CO., LTD., CN
[85] 2022-03-07
[86] 2020-06-11 (PCT/CN2020/095501)
[87] (WO2021/217794)
[30] CN (202010362289.7) 2020-04-30

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[13] A1
[51] **Int.Cl. F17C 9/00 (2006.01) B65D 88/78 (2006.01)**
[25] EN
[54] **OFFSHORE PLATFORM STRUCTURE**
[54] **STRUCTURE DE PLATEFORME EN MER**
[72] KANAYAMA, TADAFUMI, JP
[72] TANIGAWA, KEIJI, JP
[71] JGC CORPORATION, JP
[85] 2022-03-07
[86] 2019-11-28 (PCT/JP2019/046598)
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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 30/02 (2006.01) G01N 30/06 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **QUANTIFYING PEANUT PROTEINS IN FOOD PRODUCTS**
[54] **QUANTIFICATION DE PROTEINES D'ARACHIDE DANS DES PRODUITS ALIMENTAIRES**
[72] CHANG, YUWEI, CN
[72] ZHANG, GUANGTAO, CN
[72] PENG, HONG, CN
[71] MARS, INCORPORATED, US
[85] 2022-03-07
[86] 2019-09-12 (PCT/CN2019/105772)
[87] (WO2021/046819)

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[13] A1
[51] **Int.Cl. G06F 16/2455 (2019.01) G06F 16/182 (2019.01) G06F 16/33 (2019.01)**
[25] EN
[54] **GRAPH EVOLUTION AND OUTCOME DETERMINATION FOR GRAPH-DEFINED PROGRAM STATES**
[54] **DETERMINATION D'EVOLUTION ET DE RESULTAT DE GRAPHE POUR ETATS DE PROGRAMME DEFINIS PAR GRAPHE**
[72] HUNTER, EDWARD, US
[71] DIGITAL ASSET CAPITAL, INC., US
[85] 2022-03-07
[86] 2020-09-08 (PCT/US2020/049776)
[87] (WO2021/046551)
[30] US (62/897,240) 2019-09-06
[30] US (62/959,377) 2020-01-10
[30] US (62/959,418) 2020-01-10
[30] US (62/959,481) 2020-01-10
[30] US (63/020,808) 2020-05-06
[30] US (63/033,063) 2020-06-01
[30] US (63/034,255) 2020-06-03
[30] US (16/893,290) 2020-06-04
[30] US (16/893,295) 2020-06-04
[30] US (16/893,299) 2020-06-04
[30] US (16/893,318) 2020-06-04
[30] US (63/052,329) 2020-07-15
[30] US (63/053,217) 2020-07-17
[30] US (63/055,783) 2020-07-23
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[13] A1
[51] **Int.Cl. H01G 11/78 (2013.01) H01G 11/06 (2013.01) H01G 11/76 (2013.01)**
[25] EN
[54] **LIC MODULE**
[54] **MODULE LIC**
[72] OHNO, TATSUYA, JP
[72] ONODERA, TATSUYA, JP
[72] HINO, TAKENORI, JP
[72] KUJIME, YASUNORI, JP
[72] HARADA, YOSHITERU, JP
[72] EZAKI, HIDEAKI, JP
[72] HAYASHI, MASATO, JP
[72] LINDSTROM, JEREMY, CA
[72] LAMINETTE, ANTOINE, CA
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2022-03-07
[86] 2019-09-17 (PCT/JP2019/036385)
[87] (WO2021/053719)

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[13] A1
[51] **Int.Cl. B01D 11/04 (2006.01) B01D 63/02 (2006.01) C10G 19/02 (2006.01) C10G 53/12 (2006.01)**
[25] EN
[54] **MULTI-STAGE CONTACTING PROCESS AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE MISE EN CONTACT A PLUSIEURS ETAGES**
[72] GOMACH, JEFFREY BRUCE, US
[72] JAGGER, JOHN, US
[72] ZOU, BAISHENG, US
[72] MCGEHEE, JAMES, US
[71] MERICHEM COMPANY, US
[85] 2022-03-07
[86] 2021-01-15 (PCT/US2021/013664)
[87] (WO2021/158350)
[30] US (16/784,049) 2020-02-06

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[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A01G 9/24 (2006.01)**
[25] EN
[54] **FAULT HANDLING IN CONTROLLED ENVIRONMENT AGRICULTURE**
[54] **GESTION DES DEFAILLANCES DANS L'AGRICULTURE A ENVIRONNEMENT CONTROLE**
[72] DUBEL, ANDREW, US
[72] SCHOEN, ALAN COLBRIE, US
[72] ANSEL, ALDO, US
[72] MILITELLO-HOURIGAN, RYAN EDWARD, US
[72] SCIOG, ROBERT CHESTER, US
[72] MACLELLAN, ALLISON MARIE, US
[71] MJNN LLC, US
[85] 2022-03-07
[86] 2020-09-16 (PCT/US2020/051030)
[87] (WO2021/055444)
[30] US (62/903,515) 2019-09-20

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[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01)**
[25] EN
[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] RUTGER, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2022-03-07
[86] 2020-09-11 (PCT/US2020/050530)
[87] (WO2021/050970)
[30] US (62/900,236) 2019-09-13

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[13] A1
[51] **Int.Cl. C08G 61/10 (2006.01) H01G 11/48 (2013.01) C08F 132/06 (2006.01)**
[25] EN
[54] **ORGANIC POLYMERIC COMPOSITIONS**
[54] **COMPOSITIONS POLYMERES ORGANIQUES**
[72] ARNOLD, MICHAEL JOHN, US
[71] ARNOLD, MICHAEL JOHN, US
[85] 2022-03-07
[86] 2020-09-08 (PCT/US2020/049735)
[87] (WO2021/046533)
[30] US (62/897,012) 2019-09-06

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **REGULATORY NUCLEIC ACID MOLECULES FOR ENHANCING GENE EXPRESSION IN PLANTS**
[54] **MOLECULES D'ACIDE NUCLEIQUE REGULATRICES POUR AMELIORER L'EXPRESSION GENIQUE DANS DES PLANTES**
[72] MEULEWAETER, FRANK, BE
[72] LISERON-MONFILS, CHRISTOPHE, BE
[71] BASF SE, DE
[85] 2022-03-07
[86] 2020-09-10 (PCT/EP2020/075405)
[87] (WO2021/048316)
[30] EP (19196902.1) 2019-09-12

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[13] A1
[51] **Int.Cl. B65B 57/00 (2006.01)**
[25] EN
[54] **PROCESSING LINE WITH MODEL BASED SPEED AND BACKLOG CONTROL AND METHOD**
[54] **LIGNE DE TRAITEMENT AVEC COMMANDE DE VITESSE ET D'ARRIERE BASEE SUR UN MODELE ET PROCEDE**
[72] ODEGARD, JOHN C., US
[71] PAPER CONVERTING MACHINE COMPANY, US
[85] 2022-03-07
[86] 2020-09-21 (PCT/US2020/051757)
[87] (WO2021/067055)
[30] US (62/907,783) 2019-09-30

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[13] A1
[51] **Int.Cl. C12Q 1/10 (2006.01) C12N 15/73 (2006.01) C12Q 1/70 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR THE RAPID DETECTION OF MICROORGANISMS USING RECOMBINANT INFECTIOUS AGENTS TO EXPRESS AN INDICATOR SUBUNIT**
[54] **PROCEDES ET SYSTEMES POUR LA DETECTION RAPIDE DE MICRO-ORGANISMES A L'AIDE D'AGENTS INFECTIEUX RECOMBINANTS POUR EXPRIMER UNE SOUS-UNITE INDICATRICE**
[72] ERICKSON, STEPHEN E., US
[72] GIL, JOSE S., US
[72] HAHN, WENDY, US
[72] ANDERSON, DWIGHT LYMAN, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2022-03-07
[86] 2020-09-11 (PCT/US2020/050490)
[87] (WO2021/050939)
[30] US (62/898,945) 2019-09-11

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[13] A1
[51] **Int.Cl. B81C 1/00 (2006.01)**
[25] EN
[54] **MICROELECTROMECHANICAL SYSTEM COMPONENT OR A MICROFLUIDIC COMPONENT COMPRISING A FREE-HANGING OR FREE-STANDING MICROCHANNEL**
[54] **COMPOSANT DE MICROSYSTEME ELECTROMECANIQUE OU COMPOSANT MICROFLUIDIQUE COMPRENANT UN MICROCANAL AUTO-PORTEUR**
[72] SPARREBOOM, WOUTER, NL
[72] GROENESTEIJN, JARNO, NL
[72] VAN PUTTEN, JACK HERMAN, NL
[72] DE BOER, MEINT JELLE, NL
[72] WIEGERINK, REMCO JOHN, NL
[72] VELTKAMP, HENK-WILLEM, NL
[72] YU, QIHUI, NL
[72] YARIESBOUEI, MAHDIEH, NL
[72] RODRIGUEZ OLGUIN, MIGUEL A., NL
[72] LOTTERS, JOOST CONRAD, NL
[71] BERKIN B.V., NL
[85] 2022-03-07
[86] 2020-09-18 (PCT/NL2020/050578)
[87] (WO2021/054829)
[30] NL (2023872) 2019-09-20

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[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/17 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TISSUE MODULATION**
[54] **SYSTEMES ET METHODES DE MODULATION DE TISSU**
[72] DONOVAN, BRIAN W., US
[72] PATEL, SAMIT, US
[72] BAKER, RAY M., US
[72] MARKS, MICHAEL R., US
[72] EDIDIN, AVRAM ALLAN, US
[72] DINELLO, ALEXANDRE M., US
[72] PRUITT, ALEXANDER, US
[72] WILLINK, MICHAEL, US
[71] RELIEVANT MEDSYSTEMS, INC., US
[85] 2022-03-07
[86] 2020-09-10 (PCT/US2020/050249)
[87] (WO2021/050767)
[30] US (62/899,622) 2019-09-12

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[13] A1
[51] **Int.Cl. A61N 2/08 (2006.01)**
[25] EN
[54] **ARTICLE AND DRESSING FOR IMPROVED HEALING AND METHODS OF USE**
[54] **ARTICLE ET PANSEMENT POUR UNE CICATRISATION AMELIOREE ET PROCEDES D'UTILISATION**
[72] CRAIG, ROSEMARY, AU
[71] COMPUTER REEL DESIGNS PTY LIMITED, AU
[85] 2022-03-07
[86] 2020-09-08 (PCT/AU2020/050948)
[87] (WO2021/046595)
[30] AU (2019903334) 2019-09-09
[30] AU (2020900013) 2020-01-05

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[13] A1
[51] **Int.Cl. A61K 31/7105 (2006.01) A61K 31/15 (2006.01) A61K 31/713 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF DISORDERS ASSOCIATED WITH CLEC16A DYSFUNCTION OR LOSS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES ASSOCIES A UN DYSFONCTIONNEMENT OU A UNE PERTE DE CLEC16A**
[72] HAKONARSON, HAKON, US
[72] PANDAY, RAHUL, US
[72] BAKAY, MARINA, US
[72] HAIN, HEATHER, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/050015)
[87] (WO2021/050606)
[30] US (62/897,983) 2019-09-09

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[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/30 (2006.01)**
[25] EN
[54] **ORAL PRODUCT WITH CELLULOSIC FLAVOR STABILIZER**
[54] **PRODUIT ORAL AVEC STABILISATEUR D'AROME CELLULOSIQUE**
[72] KELLER, CHRISTOPHER, US
[72] POOLE, THOMAS H., US
[72] HUTCHENS, RONALD K., US
[72] GERARDI, ANTHONY R., US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-03-07
[86] 2020-09-10 (PCT/IB2020/058432)
[87] (WO2021/048792)
[30] US (16/568,003) 2019-09-11

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 10/60 (2018.01) G16H 20/00 (2018.01) G16H 50/20 (2018.01) A61B 17/00 (2006.01) A61N 1/36 (2006.01) A61N 2/00 (2006.01)**
[25] EN
[54] **A MEDICAL THERAPEUTIC DEVICE**
[54] **DISPOSITIF THERAPEUTIQUE MEDICAL**
[72] ROHERA, HEMANT KARAMCHAND, IN
[71] ROHERA, HEMANT KARAMCHAND, IN
[85] 2022-03-07
[86] 2020-06-05 (PCT/IB2020/055292)
[87] (WO2021/048642)
[30] IN (201921036412) 2019-09-10

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[13] A1
[51] **Int.Cl. B29C 64/209 (2017.01) B29C 64/10 (2017.01) B29C 64/20 (2017.01) B29C 64/227 (2017.01)**
[25] EN
[54] **END EFFECTOR**
[54] **EFFECTEUR TERMINAL**
[72] CAMBRON, SCOTT DOUGLAS, US
[72] PALMER, JUSTIN, US
[71] CIPO, CA
[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US
[85] 2022-03-07
[86] 2020-10-02 (PCT/US2020/053912)
[87] (WO2021/067675)
[30] US (62/909,467) 2019-10-02

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[13] A1
[51] **Int.Cl. E21B 21/02 (2006.01)**
[25] EN
[54] **WASHPIPE SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE TUBE D'USURE**
[72] MASINI, PAUL MARIO, US
[72] POSPISIL, MARK GERARD, US
[71] DEUBLIN COMPANY, LLC, US
[85] 2022-03-07
[86] 2020-09-09 (PCT/US2020/049904)
[87] (WO2021/050520)
[30] US (62/898,223) 2019-09-10

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[54] **LASER SCANNER**
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[72] REICHERT, RAINER, AT
[72] RIEGER, PETER, AT
[72] PFENNIGBAUER, MARTIN, AT
[72] RIEGL, JOHANNES, AT
[71] RIEGL LASER MEASUREMENT SYSTEMS GMBH, AT
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[54] **METHOD FOR IDENTIFYING RESPONDERS TO SMARCA2/4 DEGRADERS**
[54] **PROCEDE D'IDENTIFICATION DE REPONDEURS AUX AGENTS DE DEGRADATION SMARCA2/4**
[72] RAMACHANDRA, MURALIDHARA, IN
[72] SATYAM, LEENA KHARE, IN
[72] SASMAL, SANJITA, IN
[72] SAMAJDAR, SUSANTA, IN
[71] AURIGENE DISCOVERY TECHNOLOGIES LIMITED, IN
[85] 2022-03-07
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[54] **REDOX ACTIVE MATERIALS, PROCESSES AND USES THEREOF**
[54] **MATERIAUX A ACTIVITE REDOX, PROCEDES ET UTILISATIONS ASSOCIEES**
[72] GRANT, ANDREW S., CA
[72] OSMOND, TRAVIS, CA
[71] KASIS ENVIRONMENTAL LTD., CA
[85] 2022-03-07
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[30] US (62/910,525) 2019-10-04

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[54] **SUPPLEMENTARY ROTARY AXIS FOR 3D PRINTER**
[54] **AXE ROTATIF SUPPLEMENTAIRE POUR IMPRIMANTE 3D**
[72] CAMBRON, SCOTT DOUGLAS, US
[72] ELI, KYLE, US
[72] HANKE, BRANDON, US
[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US
[85] 2022-03-07
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[25] EN
[54] **HEAT PIPE NETWORKS FOR HEAT REMOVAL, SUCH AS HEAT REMOVAL FROM NUCLEAR REACTORS, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **RESEAUX DE CALODUCS POUR L'ELIMINATION DE LA CHALEUR, TELS QUE L'ELIMINATION DE LA CHALEUR DE REACTEURS NUCLEAIRES, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] BOTHA, FREDERICK, US
[72] KEPPEN, JACKSON, US
[72] GALIMOV, AZAT YUMADILOVICH, US
[71] NUSCALE POWER, LLC, US
[85] 2022-03-07
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[54] **SPEAKER UNIT AND SPEAKER**
[54] **UNITE DE HAUT-PARLEUR ET HAUT-PARLEUR**
[72] TANAKA, HIROSHI, JP
[72] SUZUKI, MASAHIRO, JP
[71] SOUND FUN CORPORATION, JP
[85] 2022-03-07
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[25] EN
[54] **METHODS AND PROBIOTIC COMPOSITIONS FOR THE TREATMENT OF METABOLIC DISEASES AND DISORDERS**
[54] **COMPOSES ET COMPOSITIONS PROBIOTIQUES POUR LE TRAITEMENT DE MALADIES ET DE TROUBLES METABOLIQUES**
[72] TRAJKOVSKI, MIRKO, CH
[72] CHEVALIER, CLAIRE, CH
[72] COLAKOGLU, MELIS, CH
[71] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2022-03-07
[86] 2020-09-18 (PCT/US2020/051581)
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[25] EN
[54] **METHODS AND PROBIOTIC COMPOSITIONS FOR THE TREATMENT OF METABOLIC DISEASES AND DISORDERS**
[54] **PROCEDE ET APPAREIL DE MESURES DE PROPRIETES RHEOLOGIQUES DE FLUIDES DE FORAGE EN TEMPS REEL**
[72] OFOCHE, PAUL, US
[72] NOYNAERT, SAMUEL F., US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2022-03-07
[86] 2020-09-08 (PCT/US2020/049689)
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[25] EN
[54] **NUCLEAR REACTORS HAVING LIQUID METAL ALLOY FUELS AND/OR MODERATORS**
[54] **REACTEURS NUCLEAIRES AYANT DES COMBUSTIBLES ET/OU DES MODERATEURS D'ALLIAGE METALLIQUE LIQUIDE**
[72] BOTHA, FREDERICK, US
[72] KEPPEN, JACKSON, US
[72] GALIMOV, AZAT YUMADILOVICH, US
[72] MIRSKY, STEVEN M., US
[71] NUSCALE POWER, LLC, US
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[54] **IMAGE SIGNAL ENCODING/DECODING METHOD AND DEVICE THEREFOR**
[54]
[72] LEE, BAE KEUN, KR
[72] JUN, DONG SAN, KR
[71] XRIS CORPORATION, KR
[85] 2022-03-07
[86] 2020-09-10 (PCT/KR2020/012250)
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[30] KR (10-2019-0112465) 2019-09-10
[30] KR (10-2019-0175282) 2019-12-26
[30] KR (10-2019-0179609) 2019-12-31

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[25] EN
[54] **IRRADIATION PARAMETER SELECTION APPARATUS AND USAGE METHOD THEREOF AND CONTROL SYSTEM COMPRISING SAID APPARATUS AND USAGE METHOD THEREOF**
[54] **APPAREIL DE SELECTION DE PARAMETRES D'IRRADIATION ET SON PROCEDE D'UTILISATION ET SYSTEME DE COMMANDE COMPRENANT LEDIT APPAREIL ET SON PROCEDE D'UTILISATION**
[72] LIU, YUAN-HAO, CN
[71] NEUBORON THERAPY SYSTEM LTD., CN
[85] 2022-03-07
[86] 2020-09-24 (PCT/CN2020/117285)
[87] (WO2021/057828)
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[30] CN (201910908127.6) 2019-09-25
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[51] **Int.Cl. G08C 23/02 (2006.01) H04B 11/00 (2006.01)**
[25] EN
[54] **AN ACOUSTIC DEVICE AND METHOD FOR AMPLIFYING AND IMPRINTING INFORMATION ON AN INTERROGATING SIGNAL**
[54] **DISPOSITIF ACOUSTIQUE ET PROCEDE D'AMPLIFICATION ET D'IMPRESSION D'INFORMATIONS SUR UN SIGNAL D'INTERROGATION**
[72] TRANDEM, ODD, NO
[72] BERG, TONE, NO
[71] OCEAN SPACE ACOUSTICS AS, NO
[85] 2022-03-07
[86] 2020-09-09 (PCT/EP2020/075175)
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[25] EN
[54] **WELL TOOL DEVICE FOR FORMING A PERMANENT BARRIER IN A WELL**
[54] **DISPOSITIF D'OUTIL DE PUITS PERMETTANT DE FORMER UNE BARRIERE PERMANENTE DANS UN PUITS**
[72] TONDEL, STIAN, NO
[71] INTERWELL P&A AS, NO
[85] 2022-03-07
[86] 2020-09-21 (PCT/EP2020/076250)
[87] (WO2021/058422)
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[25] EN
[54] **BLOOD-BASED ASSAY FOR DIAGNOSING AND TREATING BASED ON SITE-SPECIFIC TAU PHOSPHORYLATION**
[54] **ANALYSE DE SANG POUR DIAGNOSTIC ET TRAITEMENT BASES SUR LA PHOSPHORYLATION DE TAU SITE-SPECIFIQUE**
[72] BATEMAN, RANDALL, US
[72] BARTHELEMY, NICOLAS, US
[71] WASHINGTON UNIVERSITY, US
[85] 2022-03-07
[86] 2020-09-10 (PCT/US2020/050208)
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[30] US (62/898,407) 2019-09-10

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[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/3205 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ATTACHING A THREAD LOOP AROUND A SKIN TAG**
[54] **DISPOSITIF ET PROCEDE DE FIXATION D'UNE BOUCLE DE FIL AUTOUR D'UN FIBROME MOU**
[72] EKLUND, GUSTAF, FI
[72] WIDLUND, DAVID, SE
[71] SCANDINAVIAN HEALTH TRADE AB, SE
[85] 2022-03-07
[86] 2020-08-21 (PCT/SE2020/050804)
[87] (WO2021/049989)
[30] SE (SE 1930292-6) 2019-09-11

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[51] **Int.Cl. A61B 17/34 (2006.01) A61M 13/00 (2006.01) A61M 16/16 (2006.01)**
[25] EN
[54] **A MODULAR SYSTEM FOR MONITORING AND CONTROLLING THE HOMEOSTASIS IN CAVITIES, AND A METHOD FOR GENERATING A VOLUME OF FLUID IN A CAVITY**
[54] **SYSTEME MODULAIRE DE SURVEILLANCE ET DE REGULATION DE L'HOMEOSTASIE DANS DES CAVITES, ET PROCEDE DE GENERATION D'UN VOLUME DE FLUIDE DANS UNE CAVITE**
[72] DIAZ CAMBRONERO, OSCAR, ES
[72] MAZZINARI, GUIDO, ES
[72] FLOR LORENTE, BLAS, ES
[72] ROVIRA SORIANO, LUCAS, ES
[71] FUNDACION DE LA COMUNIDAD VALENCIANA HOSPITAL GENERAL PARA LA INVESTI..., ES
[71] FUNDACION PARA LA INVESTIGACION DEL HOSPITAL UNIVERSITARIO Y POLITECNICO LA FE DE LA COMUNIDAD VALENCIANA, ES
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[87] (WO2021/048429)
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[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/10 (2006.01)**
[25] EN
[54] **ORAL PRODUCT WITH A BASIC AMINE AND AN ION PAIRING AGENT**
[54] **PRODUIT ORAL COMPRENANT UNE AMINE BASIQUE ET UN AGENT D'APPARIEMENT D'IONS**
[72] POOLE, THOMAS H., US
[72] KELLER, CHRISTOPHER, US
[72] KEYSER, BRIAN MICHAEL, US
[72] MOLDOVEANU, SERBAN C., US
[71] NICOVENTURES TRADING LIMITED, GB
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[51] **Int.Cl. G21C 17/10 (2006.01) G21C 17/112 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **FUEL ROD SENSOR SYSTEM WITH INDUCTIVE COUPLING**
[54] **SYSTEME DE CAPTEUR DE TIGE DE COMBUSTIBLE AVEC COUPLAGE INDUCTIF**
[72] ARNDT, JEFFREY L., US
[72] CARVAJAL, JORGE V., US
[72] STAFFORD, SHAWN C., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-03-07
[86] 2020-09-04 (PCT/US2020/049461)
[87] (WO2021/050385)
[30] US (16/564,150) 2019-09-09

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[51] **Int.Cl. G06N 10/00 (2022.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **QUANTUM COMPUTER SYSTEM AND METHOD FOR PERFORMING QUANTUM COMPUTATION WITH REDUCED CIRCUIT DEPTH**
[54] **SYSTEME INFORMATIQUE QUANTIQUE ET PROCEDE POUR EFFECTUER UN CALCUL QUANTIQUE AVEC UNE PROFONDEUR DE CIRCUIT REDUITE**
[72] ANSCHUETZ, ERIC R., US
[72] CAO, YUDONG, US
[71] ZAPATA COMPUTING, INC., US
[85] 2022-03-07
[86] 2020-09-16 (PCT/US2020/051115)
[87] (WO2021/055507)
[30] US (62/901,045) 2019-09-16

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[51] **Int.Cl. B01D 35/02 (2006.01)**
[25] EN
[54] **FILTER BASE FOR ELECTRONIC CONNECTION TO MATING FILTER HOUSING ASSEMBLY**
[54] **BASE DE FILTRE DE CONNEXION ELECTRONIQUE A UN ENSEMBLE BOITIER DE FILTRE APPARIE**
[72] ANNISS, WILLIAM THOMAS III, US
[72] GRANT, WILLARD, US
[72] BARRIOS, RAONY, US
[72] SMALL, WILLIAM L., US
[72] MACHADO, MARCELLO CORREA, US
[72] MCCOLLOUGH, THOMAS W., US
[72] ROUSEY, CHRISTOPHER STEPHAN, US
[72] ASTLE, ROBERT, US
[72] LAURI, GEORGE NICHOLAS, US
[72] YI, CHONG HUN, US
[72] WEAVER, BRIAN KEITH, US
[72] MOYER, WILLIAM JAMES II, US
[72] SKOVIRA, RONALD, US
[72] ALTEMOSE, GARY, US
[72] EMENHEISER, RICHARD BENJAMIN, US
[72] SUBRAMANIAN, RAMESH, US
[71] ELECTROLUX HOME PRODUCTS, INC., US
[85] 2022-03-07
[86] 2020-09-11 (PCT/US2020/050376)
[87] (WO2021/050855)
[30] US (16/566,931) 2019-09-11
[30] US (PCT/US2019/051076) 2019-09-13
[30] US (16/687,243) 2019-11-18

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[51] **Int.Cl. A23D 7/00 (2006.01) A23L 11/00 (2021.01) A23L 27/60 (2016.01) A23L 35/00 (2016.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **OIL-IN-WATER EMULSION COMPRISING PLANT PROTEIN**
[54] **EMULSION HUILE DANS L'EAU COMPRENANT UNE PROTEINE VEGETALE**
[72] BERGWERFF, EDWIN, NL
[72] VELIKOV, KRASSIMIR PETKOV, NL
[72] VREEKER, ROBERT, NL
[72] ZUIDAM, NICOLAAS JAN, NL
[71] UNILEVER IP HOLDINGS B.V., NL
[85] 2022-03-07
[86] 2020-09-01 (PCT/EP2020/074299)
[87] (WO2021/058238)
[30] EP (19198832.8) 2019-09-23

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[51] **Int.Cl. A61F 2/01 (2006.01) A61B 17/00 (2006.01) A61F 2/86 (2013.01) A61F 2/90 (2013.01)**
[25] EN
[54] **FILTER APPARATUSES AND METHODS**
[54] **APPAREILS ET PROCEDES DE FILTRATION**
[72] GOSLAU, J. ERIC, US
[72] SIMS, DANIEL D., US
[71] TRANSVERSE MEDICAL, INC., US
[85] 2022-03-08
[86] 2020-09-18 (PCT/US2020/051599)
[87] (WO2021/055826)
[30] US (62/902,778) 2019-09-19

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[51] **Int.Cl. B62D 25/20 (2006.01) B60K 5/00 (2006.01) B60K 11/00 (2006.01) B60K 11/02 (2006.01) B60K 11/06 (2006.01) B62D 63/02 (2006.01)**
[25] EN
[54] **OFF-ROAD VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] CLARK, LEE M., US
[72] DICKINSON, OWEN J., US
[72] DECKARD, AARON D., US
[72] WOZNIAK, EVAN R., US
[71] POLARIS INDUSTRIES INC., US
[85] 2022-03-08
[86] 2020-09-28 (PCT/US2020/053043)
[87] (WO2021/067177)
[30] US (62/908,194) 2019-09-30

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[51] **Int.Cl. B60T 8/36 (2006.01) B60T 8/44 (2006.01) B60T 8/48 (2006.01) B60T 13/14 (2006.01) B60T 13/16 (2006.01) B60T 13/56 (2006.01) B60T 13/565 (2006.01)**
[25] EN
[54] **MASTER CYLINDER FOR A BRAKING SYSTEM**
[54] **MAITRE-CYLINDRE POUR UN SYSTEME DE FREINAGE**
[72] PONGO, HARRY, US
[72] KEHREN, JAMES E., US
[71] POLARIS INDUSTRIES INC., US
[85] 2022-03-08
[86] 2020-09-24 (PCT/US2020/052482)
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[30] US (62/907,292) 2019-09-27

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[51] **Int.Cl. G06F 16/957 (2019.01)**
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[54] **WEB ACCELERATION VIA LEARNING**
[54] **ACCELERATION WEB PAR APPRENTISSAGE**
[72] SU, CHI-JIUN, US
[72] JAIN, KAUSTUBH, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-03-08
[86] 2020-09-14 (PCT/US2020/050759)
[87] (WO2021/051093)
[30] US (16/569,050) 2019-09-12

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[51] **Int.Cl. C12M 1/00 (2006.01) C12N 1/20 (2006.01) C12P 7/54 (2006.01) C12P 7/56 (2006.01)**
[25] EN
[54] **SEPARATION OF ACETATE FROM FERMENTATION BROTH**
[54] **SEPARATION D'ACETATE D'UN BOUILLON DE FERMENTATION**
[72] ROSIN, RICHARD R., US
[71] LANZATECH, INC., US
[85] 2022-03-08
[86] 2020-10-21 (PCT/US2020/056573)
[87] (WO2021/081031)
[30] US (62/924,666) 2019-10-22
[30] US (17/074,342) 2020-10-19

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[51] **Int.Cl. C07D 213/89 (2006.01)**
[25] EN
[54] **PYRIDINE OXYNITRIDE, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **OXYNITRURE DE PYRIDINE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, QIONG, CN
[72] WANG, ZHONGLI, CN
[72] DAI, MING, CN
[72] CHENG, FENGKAI, CN
[72] LUO, JIU, CN
[72] YE, YAN, CN
[72] PENG, JIANBIAO, CN
[72] GUO, HAIBING, CN
[71] SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, CN
[71] JIANGXI JEMINCARE GROUP CO., LTD., CN
[85] 2022-03-08
[86] 2020-09-11 (PCT/CN2020/114700)
[87] (WO2021/047622)
[30] CN (201910863718.6) 2019-09-12
[30] CN (201911094782.9) 2019-11-11
[30] CN (202010531381.1) 2020-06-11
[30] CN (202010923311.0) 2020-09-04

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[13] A1
[51] **Int.Cl. B02C 18/30 (2006.01) A22C 17/00 (2006.01) A22C 21/00 (2006.01)**
[25] EN
[54] **SHREDDING DRUM FOR A CUTTING AND SEPARATING DEVICE**
[54] **CYLINDRE DE FRAGMENTATION POUR DISPOSITIF DE COUPE ET DE SEPARATION**
[72] VON DER WEIDEN, HELMUT, DE
[71] PACKAGING- & CUTTINGSYSTEMS VON DER WEIDEN GMBH, DE
[85] 2022-03-08
[86] 2020-09-07 (PCT/IB2020/058310)
[87] (WO2021/048726)
[30] DE (DE 10 2019 006 334.1) 2019-09-09

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[51] **Int.Cl. C12N 15/63 (2006.01)**
[25] EN
[54] **NUCLEIC ACID SEQUENCE FOR REGULATION OF TRANSGENE EXPRESSION**
[54] **SEQUENCE D'ACIDE NUCLEIQUE POUR LA REGULATION DE L'EXPRESSION DE TRANSGENES**
[72] FURLING, DENIS, FR
[72] ARANDEL, LUDOVIC, FR
[72] MATLOKA, MAGDALENA, FR
[72] NEY, MICHEL, FR
[72] SUREAU, ALAIN, FR
[71] ASSOCIATION INSTITUT DE MYOLOGIE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] SORBONNE UNIVERSITE, FR
[85] 2022-03-08
[86] 2020-09-11 (PCT/EP2020/075574)
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[30] EP (19306099.3) 2019-09-12

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[54] **PROMEDICAMENTS ANTIVIRAUX ET COMPOSITIONS PHARMACEUTIQUES ASSOCIEES**
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[72] GUPTA, ANIL KUMAR, US
[72] ELIASEN, ANDERS MIKAL, US
[72] JOSEPH, SEAN BARRY, US
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[54] **VIS TRANSPORTEUSE POUR DISPOSITIF DE COUPE ET DE SEPARATION**
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[54] **PROCESS FOR THE RECOVERY AND DEVULCANIZATION OF CROSS-LINKED RUBBER**
[54] **PROCEDE DE RECUPERATION ET DE DEVULCANISATION DE CAOUTCHOUC RETICULE**
[72] MARIS, GIANFRANCO, IT
[71] F.LLI MARIS S.P.A., IT
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[54] **METHOD FOR LOW HEAT INPUT WELDING ON OIL AND GAS TUBULARS**
[54] **PROCEDE DE SOUDAGE A FAIBLE APPORT DE CHALEUR SUR ELEMENTS TUBULAIRES POUR PETROLE ET GAZ**
[72] WELLS, AUSTIN J., US
[71] ATT TECHNOLOGY, LTD., US
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[54] **MILLIFLUIDIC DEVICE FOR ADVANCED CULTURES OF BIOLOGICAL AGENTS**
[54] **DISPOSITIF MILLIFLUIDIQUE POUR CULTURES AVANCEES D'AGENTS BIOLOGIQUES**
[72] GIORDANO, CARMEN, IT
[72] RAIMONDI, MANUELA TERESA, IT
[72] IZZO, LUCA, IT
[72] LAGANA', MATTEO, IT
[72] ALBANI, DIEGO, IT
[72] PETRINI, PAOLA, IT
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[54] **BLOOD GLUCOSE RATE OF CHANGE MODULATION OF MEAL AND CORRECTION INSULIN BOLUS QUANTITY**
[54] **TAUX DE GLYCEMIE DE MODULATION DE CHANGEMENT DE REPAS ET QUANTITE DE BOLUS D'INSULINE DE CORRECTION**
[72] CARDINALI, STEVEN, US
[72] LEE, JOON BOK, US
[72] O'CONNOR, JASON, US
[72] ZHENG, YIBIN, US
[71] INSULET CORPORATION, US
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[54] **ONBOARDING AND TOTAL DAILY INSULIN ADAPTIVITY**
[54] **INTEGRATION ET ADAPTABILITE D'INSULINE QUOTIDIENNE TOTALE**
[72] LEE, JOON BOK, US
[72] ZHENG, YIBIN, US
[72] O'CONNOR, JASON, US
[72] LY, TRANG, US
[72] BENJAMIN, ERIC, US
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[54] **DISPOSITIF D'EVACUATION**
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[72] BUDA, ROBERT, DE
[71] RHEINMETALL LANDSYSTEME GMBH, DE
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[54] **SOUPAPE A IMPULSIONS**
[72] JENKINS, RAY, US
[72] NEFF, MATTHEW, US
[72] SIMMONDS, JEFFREY, US
[72] WILLIAMS, KEVIN C., US
[71] MAC VALVES, INC., US
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[51] **Int.Cl. A61K 31/70 (2006.01) C07H 19/16 (2006.01) C07H 19/173 (2006.01)**
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[54] **ANTIVIRAL PRODRUGS AND FORMULATIONS THEREOF**
[54] **PROMEDICAMENTS ANTIVIRAUX ET FORMULATIONS DE CEUX-CI**
[72] CHATTERJEE, ARNAB KUMAR, US
[72] GUPTA, ANIL KUMAR, US
[72] ELIASEN, ANDERS MIKAL, US
[72] JOSEPH, SEAN BARRY, US
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[25] EN
[54] **SPORTS TIMING BASED ON A CAMERA SYSTEM**
[54] **CHRONOMETRAGE SPORTIF BASE SUR UN SYSTEME DE CAMERA**
[72] VERWOERD, ADRIAAN KLAAS, NL
[72] HOST, TAYLOR DALTON, NL
[72] WILDE, JAMES ALEXANDER, NL
[72] FUNG, KING-HEI, NL
[72] FONG, KAI WAYNE, NL
[72] HO, JOHN ZIN HANG, NL
[72] ROSS, BENJAMIN STUART, NL
[71] MYLAPS B.V., NL
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[25] EN
[54] **NEUTRAL ZINC MANGANESE SECONDARY BATTERY AND ELECTROLYTE**
[54] **BATTERIE SECONDAIRE AU MANGANESE-ZINC NEUTRE ET SOLUTION ELECTROLYTIQUE**
[72] LI, XIANFENG, CN
[72] XIE, CONGXIN, CN
[72] ZHANG, HUAMIN, CN
[71] DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, CN
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[54] **EXPANSION OF STEM CELLS IN SUSPENSION IN A BIOREACTOR**
[54] **MULTIPLICATION DE CELLULES SOUCHES CULTIVEES EN SUSPENSION DANS UN BIOREACTEUR**
[72] HAUPT, LUIS, DE
[71] REPAIRON GMBH, DE
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[54] **METHOD AND SYSTEM FOR RECOGNIZING USER INTENT AND UPDATING A GRAPHICAL USER INTERFACE**
[54] **PROCEDE ET SYSTEME DE RECONNAISSANCE D'INTENTION D'UTILISATEUR ET DE MISE A JOUR D'UNE INTERFACE UTILISATEUR GRAPHIQUE**
[72] FIELDS, GREGORY JASON, CA
[72] RASSOULLI, YASHAR, CA
[72] STEFANOVIC, ALEKSANDAR, CA
[72] MA, DANIEL, CA
[71] MYPLANET INTERNET SOLUTIONS LTD, CA
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[54] **SYSTEMS AND METHODS FOR COOLING ULTRASOUND TRANSDUCERS AND ULTRASOUND TRANSDUCER ARRAYS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE REFROIDIR DES TRANSDUCTEURS ULTRASONORES ET DES RESEAUX DE TRANSDUCTEURS ULTRASONORES**
[72] GUNASEELAN, SAMUEL, CA
[72] HYNYNEN, KULLERVO, CA
[72] LUCHT, BENJAMIN, CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
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[54] **RAPID ANTIMICROBIAL SUSCEPTIBILITY TESTING BY IMAGE ANALYSIS**
[54] **TEST DE SENSIBILITE AUX ANTIMICROBIENS RAPIDE PAR ANALYSE D'IMAGES**
[72] KIRBY, JAMES E., US
[72] ARNAOUT, RAMY, US
[72] SMITH, KENNETH P., US
[72] WARE, MATTHEW, US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
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[25] EN
[54] **DRIVE DEVICE, METHOD FOR DRIVING A HYBRID TRUCK AND HYBRID TRUCK**
[54] **DISPOSITIF DE CONDUITE, METHODE DE CONDUITE D'UN CAMION HYBRIDE ET CAMION HYBRIDE**
[72] HONG, ZHI, CN
[71] HONG, ZHI, CN
[71] NANJING SCAGE AUTOMOBILE TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. B08B 3/02 (2006.01) G02B 27/00 (2006.01) G03B 17/08 (2021.01) G08B 13/196 (2006.01) H04N 5/225 (2006.01)**
[25] EN
[54] **SYSTEM FOR CLEANING THE FRONT PANE OF A CAMERA HOUSING OF AT LEAST ONE SURVEILLANCE CAMERA UNIT**
[54] **SYSTEME DE NETTOYAGE DE LA VITRE AVANT D'UN BOITIER DE CAMERA D'AU MOINS UNE UNITE DE CAMERA DE SURVEILLANCE**
[72] DALLMEIER, DIETER, DE
[71] DALLMEIER ELECTRONIC GMBH & CO. KG, DE
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[54] **HYDROGENE A LA DEMANDE A PARTIR DE METHANOL**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] KLEIN, ROBERT, DK
[71] HALDOR TOPSOE A/S, DK
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[54] **ON DEMAND SYNTHESIS GAS FROM METHANOL**
[54] **GAZ DE SYNTHESE A LA DEMANDE A PARTIR DE METHANOL**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] KLEIN, ROBERT, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
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[25] EN
[54] **THERAPEUTIC EFFICACY BY PULMONARY DELIVERY OF LIVE ATTENUATED MYCOBACTERIA**
[54] **EFFICACITE THERAPEUTIQUE PAR ADMINISTRATION PULMONAIRE DE MYCOBACTERIES ATTENUEES VIVANTES**
[72] AGUILO, JUAN IGNACIO, ES
[72] MARTIN MONTANES, CARLOS, ES
[72] TARANCON INIGUEZ, RAQUEL, ES
[72] MATA LOZANO, ELENA, ES
[72] URANGA MAIZ, SANTIAGO, ES
[72] VANEVA MARINOVA, DESSISLAVA, ES
[71] UNIVERSIDAD DE ZARAGOZA, ES
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[51] **Int.Cl. E21B 17/10 (2006.01)**
[25] EN
[54] **DEVICE FOR A STEEL TUBE FOR USE IN A TUBULAR HYDROCARBON COLUMN**
[54] **DISPOSITIF POUR TUBE EN ACIER DESTINE A ETRE UTILISE DANS UNE COLONNE D'HYDROCARBURES TUBULAIRE**
[72] BRODIE, ALASTAIR JOHN, FR
[72] VANNETZEL, MAXIME, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2022-03-22
[86] 2020-11-04 (PCT/EP2020/080867)
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[51] **Int.Cl. B01D 53/22 (2006.01) C01B 3/50 (2006.01) C07C 5/333 (2006.01) C10G 3/00 (2006.01) C10G 57/02 (2006.01) C10G 65/02 (2006.01) C10G 69/00 (2006.01) C10G 70/00 (2006.01) C11B 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR UPGRADING BIO-BASED MATERIAL AND UPGRADED MATERIAL**
[54] **PROCEDE DE VALORISATION D'UN MATERIAU A BASE BIOLOGIQUE ET MATERIAU VALORISE**
[72] OJALA, ANTTI, FI
[72] MYLLYOJA, JUKKA, FI
[72] MAKKONEN, JAANA, FI
[72] VAN DE VELDE, ROGIER, FI
[72] JAMIESON, JOHN, FI
[71] NESTE OYJ, FI
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[54] **ENSEMBLE CLIP DE DOSAGE POUR SERINGUE**
[72] MEYER, THOMAS E., GB
[72] SIEBEL, TONY C., GB
[72] SCHUBERT, JACOB W., GB
[72] HUTCHENS, DANIEL C., GB
[71] GYROSCOPE THERAPEUTICS LIMITED, GB
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[30] US (62/913,873) 2019-10-11

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[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL POROUS STRUCTURES FOR BONE INGROWTH AND METHODS FOR PRODUCING**
[54] **STRUCTURES POREUSES TRIDIMENSIONNELLES POUR INTERPOSITION OSSEUSE ET PROCEDES DE PRODUCTION**
[72] TONG, WEIDONG, US
[71] DEPUY IRELAND UNLIMITED COMPANY, IE
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[54] **POLYHETEROCYCLIC MODULATORS OF STING (STIMULATOR OF INTERFERON GENES)**
[54] **MODULATEURS POLYHETEROCYCLIQUES DE STING (STIMULATEUR DES GENES DE L'INTERFERON)**
[72] FENSOME, ANDREW, US
[72] FISHER, ETHAN LAWRENCE, US
[72] GAJIWALA, KETAN S., US
[72] HUH, CHAN WOO, US
[72] JALAIE, MEHRAN, US
[72] MCALPINE, INDRAWAN JAMES, US
[72] PATMAN, RYAN, US
[72] RUI, EUGENE YUANJIN, US
[72] TRAN, TUAN PHONG, US
[72] WYTHES, MARTIN JAMES, US
[72] ZHANG, LEI, US
[72] ZHOU, DAHUI, US
[71] PFIZER INC., US
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[30] US (62/905,532) 2019-09-25
[30] US (63/021,216) 2020-05-07
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[54] **SYSTEMES ET METHODES D'ADMINISTRATION DE MEDICAMENT**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] DIUBALDI, ANTHONY R, US
[72] HARRIS, JASON L., US
[72] HUBERT, EMMA LOUISE, US
[72] HUTCHINSON, MICHAEL, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] LARSON, CHALEY JOHN, US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] SHELTON IV, FREDERICK E., US
[72] VENDELY, MICHAEL J., US
[72] VESOLE, STEVEN M., US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[25] EN
[54] **DRUG ADMINISTRATION DEVICES THAT COMMUNICATE WITH EXTERNAL SYSTEMS AND/OR OTHER DEVICES**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT EN COMMUNICATION AVEC DES SYSTEMES EXTERNES ET/OU D'AUTRES DISPOSITIFS**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] DANIEL, JEFFREY, US
[72] DIUBALDI, ANTHONY R, US
[72] FLEMING, JAMES A., US
[72] HARRIS, JASON L., US
[72] HOUSER, KEVIN L., US
[72] HUBERT, EMMA LOUISE, US
[72] HUTCHINSON, MICHAEL, US
[72] KALIKHMAN, DAVID, US
[72] KAPIL, MONICA A., US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] RAMOS, DAVID, US
[72] SCRIMGEOUR, IAN, GB
[72] SHELTON IV, FREDERICK E., US
[72] SINGH, JASKARAN, US
[72] VESOLE, STEVEN M., US
[72] WANG, JINGLI, US
[72] YAN, HONG, US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[54] **DRUG DELIVERY DEVICE INCORPORATING ELECTRICAL SYSTEM CONTAMINATION PROTECTION, POWER SOURCE MANAGEMENT, POWER SOURCE MONITORING, AND/OR POWER SOURCE OPERATION**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT INCORPORANT UNE PROTECTION CONTRE LA CONTAMINATION D'UN SYSTEME ELECTRIQUE, UNE GESTION DE SOURCE D'ALIMENTATION, UNE SURVEILLANCE DE SOU RCE D'ALIMENTATION ET/OU UNE OPERATION DE SOURCE D'ALIMENTATION**
[72] HARRIS, JASON L., US
[72] KRULEVITCH, PETER, US
[72] SHELTON IV, FREDERICK E., US
[72] SZABO, GEORGE, US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[25] EN
[54] **METHOD FOR TREATING HIV WITH CABOTEGRAVIR AND RILPIVIRINE**
[54] **PROCEDE DE TRAITEMENT DU VIH A L'AIDE DE CABOTEGRAVIR ET DE RILPIVIRINE**
[72] CRAUWELS, HERTA MARIA LUDOVICA, BE
[72] FORD, SUSAN L., US
[72] MARGOLIS, DAVID ANDREW, US
[72] ROSSENU, STEFAAN LOUIS F., BE
[72] SPREEN, WILLIAM ROBERT, US
[72] VAN SOLINGEN-RISTEA, RODICA MIHAELA, BE
[72] WILLIAMS, PETER EVAN OWEN, GB
[71] VIIV HEALTHCARE COMPANY, US
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[54] **5-OXA-2-AZASPIRO[3.4]OCTANE DERIVATIVES AS M4 AGONISTS**
[54] **DERIVES DE 5-OXA-2-AZASPIRO[3,4]OCTANE UTILISES EN TANT QU'AGONISTES M4**
[72] CALHOUN, AMY, US
[72] CHEN, XIN, US
[72] GARDINIER, KEVIN MATTHEW, US
[72] HALL, EDWARD CHARLES, US
[72] JENDZA, KEITH, US
[72] LABBE-GIGUERE, NANCY, US
[72] NEEF, JAMES, US
[72] PALACIOS, DANIEL STEVEN, US
[72] QIAN, MING, US
[72] SHULTZ, MICHAEL DAVID, US
[72] THOMSON, CHRISTOPHER G., US
[72] WANG, KATE YAPING, US
[72] YANG, FAN, US
[71] NOVARTIS AG, CH
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[54] **FUNCTIONAL SAFETY IN AUTONOMOUS DRIVING**
[54] **SECURITE FONCTIONNELLE DANS LA CONDUITE AUTONOME**
[72] NEHMADI, YOUVAL, IL
[72] MANGAN, SHMUEL, IL
[72] WAGNER, MARK, IL
[71] VAYAVISION SENSING LTD., IL
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[54] **METHODS AND SYSTEMS FOR TRAINING AND VALIDATING A PERCEPTION SYSTEM**
[54] **PROCEDES ET SYSTEMES D'APPRENTISSAGE ET DE VALIDATION D'UN SYSTEME DE PERCEPTION**
[72] NEHMADI, YOUVAL, IL
[72] BEN EZRA, SHAHAR, IL
[72] MANGAN, SHMUEL, IL
[72] WAGNER, MARK, IL
[72] COHEN, ANNA, IL
[72] AVITAL, ITZIK, IL
[71] VAYAVISION SENSING LTD., IL
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[54] **ANTI-AGING COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS ANTI-AGE ET LEURS PROCEDES D'UTILISATION**
[72] PRIMOR, NAFTALI, IL
[71] S.I.S. SHULOV INNOVATIVE SCIENCE LTD., IL
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[25] EN
[54] **OPTICAL SYSTEMS WITH COMPACT IMAGE PROJECTOR**
[54] **SYSTEME OPTIQUE AVEC PROJECTEUR D'IMAGE COMPACT**
[72] GREENSTEIN, KOBI, IL
[72] EISENFELD, TSION, IL
[72] GOLDSTEIN, NETANEL, IL
[71] LUMUS LTD., IL
[85] 2022-03-22
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[25] EN
[54] **SPRAYER WITH ARTICULATED ARM AND SENSOR SYSTEM**
[54] **PULVERISATEUR A BRAS ARTICULE ET SYSTEME DE CAPTEUR**
[72] ARNOTT, GARY, NZ
[72] CHEMALY, GRANT, NZ
[71] FARM IMPROVEMENTS LIMITED, NZ
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[25] EN
[54] **PATCH DEPLOYMENT DEVICE**
[54] **DISPOSITIF DE DEPLOIEMENT DE PATCH**
[72] GIL, ALEJANDRO ARANDA, ES
[72] GRANADA, ANDRES-AMADOR GARCIA, ES
[72] LOPEZ, JORDI MARTORELL, ES
[72] ALONSO, VICENTE RIAMBAU, ES
[71] INSTITUT QUIMIC DE SARRIA CETS FUNDACIO PRIVADA, ES
[71] HOSPITAL CLINIC DE BARCELONA, ES
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[25] EN
[54] **MICRO-RADIOBINDING ASSAYS FOR LIGAND SCREENING**
[54] **DOSAGES DE MICRO-RADIOLIAISON POUR CRIBLAGE DE LIGANDS**
[72] GRASSO, LUIGINO, CH
[71] AC IMMUNE SA, CH
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[86] 2020-09-30 (PCT/IB2020/059171)
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[30] US (62/909,101) 2019-10-01
[30] US (62/970,977) 2020-02-06

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[25] EN
[54] **INTERFERENCE RESISTANT SOLID STATE REFERENCE ELECTRODE**
[54] **ELECTRODE DE REFERENCE A L'ETAT SOLIDE RESISTANTE AUX INTERFERENCES**
[72] MACEDO, DAVID SIMON, AU
[72] VEPSALAINEN, MIKKO KALEVI, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[51] **Int.Cl. B60L 50/53 (2019.01) B60L 5/04 (2006.01) B60L 5/36 (2006.01) B60L 9/04 (2006.01) B60L 13/00 (2006.01) B60M 1/12 (2006.01) B60M 1/23 (2006.01) B60M 7/00 (2006.01)**
[25] EN
[54] **OVERHEAD LINE SYSTEM FOR CONSTRUCTION MACHINES FOR PIECE GOOD AND BULK MATERIAL TRANSPORT AND CONSTRUCTION MACHINE**
[54] **SYSTEME DE LIGNE AERIENNE POUR MACHINES DE CONSTRUCTION POUR UN TRANSPORT DE MATERIAUX A LA PIECE ET EN VRAC, ET MACHINE DE CONSTRUCTION**
[72] FORESTIER, CEDRIC, FR
[72] KUGELSTADT, KAI, DE
[71] LIEBHERR-MINING EQUIPMENT COLMAR SAS, FR
[85] 2022-03-23
[86] 2020-08-17 (PCT/EP2020/072966)
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[54] **MONOMERE D'ACRYLATE BIOSOURCE**
[72] BRANDT, ADRIAN, DE
[72] BECK, HORST, DE
[72] NEMITZ, RALPH, DE
[71] HENKEL AG & CO. KGAA, DE
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[86] 2020-09-10 (PCT/EP2020/075350)
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[25] EN
[54] **A COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR ALERTING AN EXPECTANT MOTHER TO A MEDICAL RISK DURING PREGNANCY**
[54] **SYSTEME ET PROCEDE MIS EN □UVRE PAR ORDINATEUR POUR ALERTER UNE FEMME ENCEINTE D'UN RISQUE MEDICAL PENDANT LA GROSSESSE**
[72] LUI, WING LAM, NL
[72] BRAND, REON, NL
[72] VAN DER WOUDE, DAISY ADRIAN ANNE JAN, NL
[72] OEI, SWUN GIE, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[86] 2020-09-18 (PCT/EP2020/076091)
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[25] EN
[54] **DRILL FIRE EXTINGUISHING DEVICE AND DRILL FIRE EXTINGUISHING SYSTEM, DRILL BIT**
[54] **DISPOSITIF D'EXTINCTION DES INCENDIES DE FORAGE ET SYSTEME D'EXTINCTION DES INCENDIES DE FORAGE, ET FORET**
[72] TRAXL, LUKAS, AT
[71] PUTZ INNOVA GMBH, AT
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[86] 2020-09-23 (PCT/EP2020/076607)
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[25] EN
[54] **COMPOSITION OF MATTER**
[54] **COMPOSITION DE MATIERE**
[72] MUNSHI, MAZID, NO
[72] WEMAN, HELGE, CH
[72] FIMLAND, BJORN-OVE M., NO
[71] CRAYONANO AS, NO
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[86] 2020-09-23 (PCT/EP2020/076631)
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[25] EN
[54] **EFFICIENT IMPLEMENTATION OF MATRIX-BASED INTRA-PREDICTION**
[54] **MISE EN □UVRE EFFICACE D'UNE PREDICTION INTRA BASEE SUR UNE MATRICE**
[72] PFAFF, JONATHAN, DE
[72] STALLENBERGER, BJORN, DE
[72] SCHAFER, MICHAEL, DE
[72] MERKLE, PHILIPP, DE
[72] HINZ, TOBIAS, DE
[72] HELLE, PHILIPP, DE
[72] SCHWARZ, HEIKO, DE
[72] MARPE, DETLEV, DE
[72] WIEGAND, THOMAS, DE
[72] WINKEN, MARTIN, DE
[72] BROSS, BENJAMIN, DE
[72] SIEKMANN, MISCHA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[87] (WO2021/058640)
[30] EP (19199396.3) 2019-09-24

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[51] **Int.Cl. C12N 5/078 (2010.01) A61K 31/19 (2006.01) A61K 35/74 (2015.01)**
[25] EN
[54] **SHORT-CHAIN FATTY ACID PENTANOATE AS ENHANCER FOR CELLULAR THERAPY AND ANTI-TUMOR THERAPY**
[54] **PENTANOATE D'ACIDE GRAS A CHAINE COURTE EN TANT QU'ACTIVATEUR POUR UNE THERAPIE CELLULAIRE ET UNE THERAPIE ANTITUMORALE**
[72] HUDECEK, MICHAEL, DE
[72] LUU, MAIK, DE
[72] VISEKRUNA, ALEXANDER, DE
[71] PHILIPPS-UNIVERSITAT MARBURG, DE
[71] JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG, DE
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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 1/08 (2006.01) C12N 9/12 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/55 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **DNA POLYMERASE AND DNA POLYMERASE DERIVED 3'-5'EXONUCLEASE**
[54] **ADN POLYMERASE ET EXONUCLEASE 3' A 5' DERIVEE DE L'ADN POLYMERASE**
[72] LARSEN, ATLE NORALF, NO
[72] PIOTROWSKI, YVONNE, NO
[71] UNIVERSITETET I TROMSO - NORGES ARKTISKE UNIVERSITET, NO
[85] 2022-03-23
[86] 2020-10-01 (PCT/EP2020/077531)
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[30] EP (19200786.2) 2019-10-01

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[25] EN
[54] **HALIDES REMOVAL WASHING SYSTEM FOR A HYDROCARBON STREAM**
[54] **SYSTEME DE LAVAGE PAR ELIMINATION D'HALOGENURES POUR UN COURANT D'HYDROCARBURES**
[72] RISBJERG JARLKOV, KLAUS, DK
[72] JORGENSEN, LARS, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-03-23
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[25] EN
[54] **GRAPHICAL USER INTERFACE FOR STEERABLE ENDOSCOPE**
[54] **INTERFACE UTILISATEUR GRAPHIQUE POUR ENDOSCOPE ORIENTABLE**
[72] TATA, DEREK SCOT, US
[72] INGLIS, PETER DOUGLAS COLIN, US
[72] HAUSE, ALEXANDRA, US
[72] CHEN, BO, US
[72] NG, MICHAEL, CN
[72] PATTON, CRAIG ALLEN, US
[71] COVIDIEN AG, CH
[85] 2022-03-23
[86] 2020-10-30 (PCT/EP2020/080489)
[87] (WO2021/084059)
[30] US (62/928,854) 2019-10-31

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[51] **Int.Cl. H04N 19/29 (2014.01) H04N 19/132 (2014.01) H04N 19/167 (2014.01) H04N 19/172 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **ENCODER AND DECODER, ENCODING METHOD AND DECODING METHOD FOR REFERENCE PICTURE RESAMPLING EXTENSIONS**
[54] **CODEUR ET DECODEUR, PROCEDE DE CODAGE ET PROCEDE DE DECODAGE POUR LES EXTENSIONS DE REECHANTILLONNAGE D'IMAGES DE REFERENCE**
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SUHRING, KARSTEN, DE
[72] HELLGE, CORNELIUS, DE
[72] SCHIERL, THOMAS, DE
[72] SKUPIN, ROBERT, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[86] 2020-09-24 (PCT/EP2020/076690)
[87] (WO2021/058638)
[30] EP (19199304.7) 2019-09-24

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[51] **Int.Cl. C09D 11/17 (2014.01) C09D 11/32 (2014.01) C09D 11/50 (2014.01)**
[25] EN
[54] **REVERSE PHOTOCHROMIC INKS INCLUDING ENCAPSULATED REVERSE PHOTOCHROMIC COLORANTS, AND ASSOCIATED METHODS AND WRITING INSTRUMENTS**
[54] **ENCRES PHOTOCHROMIQUES INVERSES COMPRENANT DES COLORANTS PHOTOCHROMIQUES INVERSES ENCAPSULES, ET PROCEDES ET INSTRUMENTS D'ECRITURE ASSOCIES**
[72] CZAPLEWSKI, KENNETH, US
[71] SANFORD L.P., US
[85] 2022-03-22
[86] 2020-09-23 (PCT/US2020/052213)
[87] (WO2021/061769)
[30] US (62/904,914) 2019-09-24
[30] US (62/904,900) 2019-09-24
[30] US (62/904,905) 2019-09-24

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[51] **Int.Cl. C07K 16/28 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **VARIANT NUCLEIC ACID LIBRARIES FOR CRTH2**
[54] **BANQUES D'ACIDES NUCLEIQUES VARIANTS POUR CRTH2**
[72] TABIBIAZAR, RAY, US
[72] SATO, AARON, US
[72] GARG, PANKAJ, US
[72] LIU, QIANG, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2022-03-22
[86] 2020-09-23 (PCT/US2020/052291)
[87] (WO2021/061829)
[30] US (62/904,595) 2019-09-23
[30] US (62/935,590) 2019-11-14
[30] US (62/945,752) 2019-12-09

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/16 (2006.01) C07K 16/10 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **VARIANT NUCLEIC ACID LIBRARIES FOR SINGLE DOMAIN ANTIBODIES**
[54] **BIBLIOTHEQUES D'ACIDES NUCLEIQUES VARIANTS POUR DES ANTICORPS A DOMAINE UNIQUE**
[72] SATO, AARON, US
[72] GARG, PANKAJ, US
[72] LIU, QIANG, US
[72] YUAN, TOM, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2022-03-22
[86] 2020-09-23 (PCT/US2020/052306)
[87] (WO2021/061842)
[30] US (62/904,620) 2019-09-23
[30] US (62/935,603) 2019-11-14
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[51] **Int.Cl. G06K 9/00 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING MEDICAL IMAGES BASED ON SPATIO-TEMPORAL DATA**
[54] **SYSTEME ET PROCEDE POUR ANALYSER DES IMAGES MEDICALES SUR LA BASE DE DONNEES SPATIOTEMPORELLES**
[72] GALEOTTI, JOHN, US
[72] MATHAI, TEJAS SUDHARSHAN, US
[71] CARNEGIE MELLON UNIVERSITY, US
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[30] US (62/904,728) 2019-09-24

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[54] **BLUETOOTH INTERCOM ACCESSORY FOR HELMETS**
[54] **ACCESSOIRE D'INTERCOM BLUETOOTH POUR CASQUES**
[72] LIVANO, ANTHONY, US
[71] LEXIN ELECTRONICS CO., LTD, US
[85] 2022-03-22
[86] 2020-09-25 (PCT/US2020/052924)
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[30] US (62/905,960) 2019-09-25

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[25] EN
[54] **EFFICIENT DIAGNOSIS OF BEHAVIORAL DISORDERS, DEVELOPMENTAL DELAYS, AND NEUROLOGICAL IMPAIRMENTS**
[54] **DIAGNOSTIC EFFICACE DE TROUBLES DU COMPORTEMENT, DE RETARDS DE DEVELOPPEMENT ET DE DEFICIENCES NEUROLOGIQUES**
[72] ABBAS, ABDELHALIM, US
[72] GARBERSON, JEFFREY FORD, US
[72] LIU-MAYO, STUART ANGUS, US
[71] COGNOA, INC., US
[85] 2022-03-22
[86] 2020-09-30 (PCT/US2020/053611)
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[30] US (62/908,478) 2019-09-30

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[54] **ANTI-PD-L1 ANTIBODIES AND ANTIBODY-DRUG CONJUGATES**
[54] **ANTICORPS ANTI-PD-L1 ET CONJUGUES ANTICORPS-MEDICAMENT**
[72] JEFFREY, SCOTT, US
[72] LYSKI, RYAN, US
[72] KWAN, BYRON HUA, US
[72] VAN EPPS, HEATHER, US
[72] WAIGHT, ANDREW, US
[71] SEAGEN INC., US
[85] 2022-03-22
[86] 2020-10-02 (PCT/US2020/054037)
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[54] **SYNTHETIC FIBER ROPES WITH LOW-CREEP HMPE FIBERS**
[54] **CABLES EN FIBRES SYNTHETIQUES CONSTITUES DE FIBRES HMPE A FAIBLE ELASTICITE DIFFEREE**
[72] VARNAVA, THANASIS, US
[72] CONGER, WESLEY, US
[71] CORTLAND COMPANY, INC., US
[85] 2022-03-22
[86] 2020-11-12 (PCT/US2020/060148)
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[54] **DYNAMIC TYPESETTING**
[54] **COMPOSITION DYNAMIQUE**
[72] KELLUM, SCOTT, US
[72] FITZNER, ANA MONROE, US
[71] KELLUM, SCOTT, US
[71] FITZNER, ANA MONROE, US
[85] 2022-03-23
[86] 2020-09-04 (PCT/US2020/049516)
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[30] US (16/579,822) 2019-09-23
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[25] EN
[54] **DISALLOWING UNNECESSARY LAYERS IN MULTI-LAYER VIDEO BITSTREAMS**
[54] **INTERDICTION DE COUCHES SUPERFLUES DANS DES FLUX BINAIRES VIDEO MULTICOUCHES**
[72] WANG, YE-KUI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-23
[86] 2020-09-15 (PCT/US2020/050905)
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[30] US (62/905,136) 2019-09-24

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[25] EN
[54] **METHODS OF FORMING AN ASPHALT SHINGLE WASTE POWDER FROM ASPHALT SHINGLE WASTE, METHODS OF FORMING AN ASPHALT SHINGLE WASTE POWDER FILLED COATING, AND METHODS OF FORMING AN ADHESIVE COMPOSITION FROM ASPHALT SHINGLE WASTE POWDER**
[54] **PROCEDES DE FORMATION D'UNE POUDRE DE DECHETS DE BARDEAUX D'ASPHALTE A PARTIR DE DECHETS DE BARDEAUX D'ASPHALTE, PROCEDES DE FORMATION D'UN REVETEMENT REMPLI DE POUDRE DE DECHETS DE BARDEAUX D'ASPHALTE ET PROCEDES DE FORMATION D'UNE COMPOSITION ADHESIVE A PARTIR DE POUDRE DE DECHETS DE BARDEAUX D'ASPHALTE**
[72] KELLEY, DALE, US
[72] SVEC, JAMES, US
[72] FERRARO, MICHAEL T., US
[72] ERICKSON, KIRBY, US
[72] RICHARDSON, PAUL, US
[72] EDELSWARD, KRIS, US
[72] RUFUS, ISAAC BERNARD, US
[72] CHICH, ADEM, US
[72] WILLIAMS, OVERTON, US
[72] CHIN, RICHARD, US
[72] DOUGHERTY, MICHAEL, US
[71] BMIC LLC, US
[85] 2022-03-23
[86] 2020-09-16 (PCT/US2020/051049)
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[30] US (62/904,476) 2019-09-23
[30] US (62/912,411) 2019-10-08
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[30] US (16/789,268) 2020-02-12
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[25] EN
[54] **VACCINE THERAPY FOR RAN PROTEIN DISEASES**
[54] **THERAPIE VACCINALE POUR MALADIES DE PROTEINE RAN**
[72] RANUM, LAURA, US
[72] LABOISSONNIERE, LAUREN A., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2022-03-23
[86] 2020-09-18 (PCT/US2020/051670)
[87] (WO2021/061537)
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[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR ASSESSING CANDIDATES FOR VISUAL ROLES**
[54] **PROCEDES ET APPAREIL PERMETTANT D'EVALUER DES CANDIDATS A DES ROLES VISUELS**
[72] HUNTER, ZACHARY, US
[72] WITHERSPOON, ERIC, US
[72] TONEY, MATTHEW, US
[72] PEHNKE, LAUREN, US
[72] GUDIGOPURAM, SHANTHI, US
[72] YAN, YAN, US
[72] RUE, DARYL, US
[72] LAPIDOT, NADAV, US
[72] WOOD, JEREMY, US
[72] ROMEU, FRANK, US
[72] CROSCUP, KIMBERLEY, CA
[72] CARLSON, BRENNAN, US
[71] AQUENT LLC, US
[71] CARLSON, BRENNAN, US
[85] 2022-03-23
[86] 2020-09-22 (PCT/US2020/052013)
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[25] EN
[54] **DETERMINING AND TRACKING MOVEMENT**
[54] **DETERMINATION ET SUIVI DE MOUVEMENT**
[72] MARSHALL, MICHAEL C., US
[72] HULTGREN, BRUCE WILLARD, US
[72] MILLER, TIMOTHY A., US
[71] VISIONX, LLC, US
[85] 2022-03-23
[86] 2020-09-23 (PCT/US2020/052116)
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[30] US (62/904,040) 2019-09-23
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[51] **Int.Cl. A01G 9/20 (2006.01) A01G 7/04 (2006.01) A01G 9/14 (2006.01)**
[25] EN
[54] **METHOD OF GROWING A PLANT HAVING AT LEAST ONE LIGHT ABSORBING PIGMENT**
[54] **PROCEDE DE CULTURE D'UNE PLANTE PRESENTANT AU MOINS UN PIGMENT ABSORBANT LA LUMIERE**
[72] LEFSRUD, MARK, CA
[72] WU, BO-SEN, CA
[72] REDDY, SRINIVASA, CA
[72] SCHWALB, MICHAEL, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[85] 2022-03-23
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[25] EN
[54] **REMOTE AGGREGATION OF DATA FOR DRUG ADMINISTRATION DEVICES**
[54] **AGREGATION A DISTANCE DE DONNEES POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT**
[72] ALBERTINI, FRANCESCO N., US
[72] BARATTA, MICHAEL A., US
[72] HARRIS, JASON L., US
[72] HUBERT, EMMA LOUISE, US
[72] HUTCHINSON, MICHAEL, US
[72] KALIKHMAN, DAVID, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] POPLI, SHAGUN, US
[72] SHELTON, IV, FREDERICK E., US
[72] SINGH, JASKARAN, US
[72] WANG, JINGLI, US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/IB2020/058957)
[87] (WO2021/059201)
[30] US (62/905,440) 2019-09-25
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[25] EN
[54] **GEL BASE COMPOSITION FOR COMPOUNDING INTO A MUCOADHESIVE DELIVERY SYSTEM**
[54] **COMPOSITION DE BASE DE GEL POUR MELANGE DANS UN SYSTEME D'ADMINISTRATION MUCOADHESIF**
[72] DANOPOULOS, PANAGIOTA, CA
[72] LUPATINI, RODRIGO, US
[71] MEDISCA PHARMACEUTIQUE INC., CA
[85] 2022-03-23
[86] 2020-09-24 (PCT/CA2020/051278)
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[30] US (62/904,968) 2019-09-24

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[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/67 (2018.01)**
[25] EN
[54] **DRUG ADMINISTRATION DEVICE AND SYSTEM FOR ESTABLISHING A DOSAGE REGIMEN AND COMPATIBILITY OF COMPONENTS**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET SYSTEME D'ETABLISSEMENT D'UN REGIME POSOLOGIQUE ET DE COMPATIBILITE D'ELEMENTS**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] HARRIS, JASON L., US
[72] HUBERT, EMMA LOUISE, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] RAMOS, DAVID, US
[72] SHELTON, IV, FREDERICK E., US
[72] WANG, JINGLI, US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/IB2020/058958)
[87] (WO2021/059202)
[30] US (62/905,452) 2019-09-25
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[51] **Int.Cl. B01J 23/652 (2006.01) C07C 29/132 (2006.01) C07C 29/74 (2006.01)**
[25] EN
[54] **CONTINUOUS, CARBOHYDRATE TO ETHYLENE GLYCOL PROCESSES**
[54] **TRANSFORMATIONS CONTINUES DE GLUCIDE EN ETHYLENE GLYCOL**
[72] CHRISMAN, RAY, US
[72] BUNNING, DONALD, US
[72] ALBIN, BROOKE, US
[72] NUNLEY, MARK, US
[72] BRADFORD, MICHAEL, US
[72] SCHRECK, DAVID JAMES, US
[72] KAPICAK, LOUIS, US
[71] IOWA CORN PROMOTION BOARD, US
[85] 2022-03-23
[86] 2020-09-24 (PCT/US2020/052519)
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[51] **Int.Cl. A61K 36/14 (2006.01) C07C 49/755 (2006.01) C07C 61/35 (2006.01)**
[25] EN
[54] **DITERPENOID COMPOUNDS THAT ACT ON PROTEIN KINASE C (PKC)**
[54] **COMPOSES DITERPENOIDES AGISSANT SUR LA PROTEINE KINASE C (PKC)**
[72] JIANG, CHUN, US
[72] CHEN, RUIHONG, US
[71] K-GEN, INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/US2020/052545)
[87] (WO2021/062030)
[30] US (62/905,253) 2019-09-24

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[51] **Int.Cl. C12Q 1/6869 (2018.01) C12N 15/113 (2010.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TARGETED NUCLEIC ACID SEQUENCING**
[54] **PROCEDE ET SYSTEME DE SEQUENCAGE D'ACIDE NUCLEIQUE CIBLE**
[72] BROWN, KEITH, US
[71] JUMPCODE GENOMICS, INC., US
[85] 2022-03-23
[86] 2020-09-25 (PCT/US2020/052652)
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[30] US (62/906,636) 2019-09-26

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[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/36 (2012.01) G06Q 40/02 (2012.01) G06N 3/08 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **DISTRIBUTED LEDGER LENDING SYSTEMS HAVING A SMART CONTRACT ARCHITECTURE AND METHODS THEREFOR**
[54] **SYSTEMES DE PRET A GRAND-LIVRE DISTRIBUE AYANT UNE ARCHITECTURE DE CONTRAT INTELLIGENTE ET PROCEDES ASSOCIES**
[72] SLIWKA, LUKASZ JAKUB, US
[72] YANTIS, JONATHAN, US
[72] QUIGLEY, WILLIAM EDWARD, US
[71] SLIWKA, LUKASZ JAKUB, US
[71] YANTIS, JONATHAN, US
[71] QUIGLEY, WILLIAM EDWARD, US
[85] 2022-03-23
[86] 2020-09-25 (PCT/US2020/052728)
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[30] US (62/906,211) 2019-09-26

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[51] **Int.Cl. A61K 35/30 (2015.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYZING BRAIN LESIONS WITH LONGITUDINAL 3D MRI DATA**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'ANALYSER DES LESIONS CEREBRALES A L'AIDE DE DONNEES D'IRM 3D LONGITUDINALES**
[72] OKUDA, DARIN T., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-03-23
[86] 2020-09-24 (PCT/US2020/052452)
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[30] US (62/905,079) 2019-09-24

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[51] **Int.Cl. A44C 25/00 (2006.01)**
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[54] **REUSEABLE WRAPPING ORNAMENT WITH PERFORATION FOR AIDING REMOVAL**
[54] **ORNEMENT D'EMBALLAGE REUTILISABLE AVEC PERFORATION POUR FACILITER L'EXTRACTION**
[72] HENNESSY, DANIEL PATRICK, US
[72] HENNESSY, KRISTEN ELAINE, US
[71] HENNESSY GIFT WRAP, INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/US2020/052411)
[87] (WO2021/061927)
[30] US (16/582,717) 2019-09-25
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[51] **Int.Cl. C12N 9/00 (2006.01) C07K 14/00 (2006.01) C12N 15/53 (2006.01) C12P 7/00 (2006.01) C12P 13/00 (2006.01) C12P 21/00 (2006.01) C12Q 1/26 (2006.01)**
[25] EN
[54] **KETOREDUCTASE POLYPEPTIDES AND POLYNUCLEOTIDES**
[54] **POLYPEPTIDES DE CETOREDUCTASES ET POLYNUCLEOTIDES**
[72] LIANG, JACK, US
[72] SUBRAMANIAN, NANDHITHA, US
[72] CHING, CHARLENE, US
[72] HOMAN, DAVID WILLIAM, US
[72] WHALEN, KATIE, US
[72] JONES, MATTHEW BLAKE, US
[71] CODEXIS, INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/US2020/052396)
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[25] EN
[54] **NOTCH RECEPTORS WITH HINGE DOMAIN**
[54] **RECEPTEURS NOTCH A DOMAINE CHARNIERE**
[72] ROYBAL, KOLE T., US
[72] LIU, RAYMOND, US
[72] ZHU, IOWIS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-23
[86] 2020-09-23 (PCT/US2020/052327)
[87] (WO2021/061862)
[30] US (62/905,251) 2019-09-24
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[51] **Int.Cl. B01D 15/32 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **HYDROPHOBIC INTERACTION CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY FOR ANTIBODY ANALYSIS**
[54] **SPECTROMETRIE DE MASSE NATIVE COUPLEE A UNE CHROMATOGRAPHIE D'INTERACTION HYDROPHOBE POUR ANALYSE D'ANTICORPS**
[72] YAN, YUETIAN, US
[72] WANG, SHUNHAI, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-03-23
[86] 2020-09-27 (PCT/US2020/052975)
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[30] US (62/907,465) 2019-09-27

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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 48/00 (2006.01) A61P 9/00 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **IMMUNOGENIC PEPTIDE FRAGMENTS OF METALLOPROTEASE ADAMTS-7 AND USES THEREOF IN ANTI-ATHEROSCLEROSIS AND RELATED DISEASES**
[54] **FRAGMENT PEPTIDIQUE IMMUNOGENE DE METALLOPROTEINASE ADAMTS-7 ET SON APPLICATION DANS LA RESISTANCE A L'ATHEROSCLEROSE ET AUX MALADIES ASSOCIEES**
[72] KONG, WEI, CN
[72] FU, YI, CN
[72] ZHENG, JINGANG, CN
[72] MA, ZIHAN, CN
[72] LIAO, YUHUA, CN
[72] CHEN, XIAO, CN
[72] MAO, CHENFENG, CN
[71] BEIJING KIMWAY BIOTECH CO. LTD, CN
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[86] 2020-08-20 (PCT/CN2020/110233)
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[30] CN (201910914243.9) 2019-09-25

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[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/36 (2006.01)**
[25] EN
[54] **NEGATIVE ELECTRODE MATERIAL, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF, AND LITHIUM-ION BATTERY**
[54] **MATERIAU D'ELECTRODE NEGATIVE, SON PROCEDE DE PREPARATION ET SON APPLICATION, ET BATTERIE AU LITHIUM-ION**
[72] SUN, SAI, CN
[72] ZHANG, SIYU, CN
[72] GAO, HUANXIN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
[85] 2022-03-23
[86] 2020-09-29 (PCT/CN2020/118720)
[87] (WO2021/068796)
[30] CN (201910953279.8) 2019-10-09
[30] CN (201910953233.6) 2019-10-09

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF LIQUID CANCERS**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE CANCERS LIQUIDES**
[72] QASIM, WASEEM, GB
[72] GEHRKE, JASON MICHAEL, US
[72] EDWARDS, AARON D., US
[72] MURRAY, RYAN, US
[71] BEAM THERAPEUTICS INC., US
[71] UCL BUSINESS LTD., GB
[85] 2022-03-23
[86] 2020-09-25 (PCT/US2020/052822)
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[30] US (62/907,254) 2019-09-27

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[51] **Int.Cl. B65D 88/52 (2006.01)**
[25] EN
[54] **A TRANSPORT CONTAINER**
[54] **CONTENEUR DE TRANSPORT**
[72] JAMES, CHRISTOPHER COLIN, ZA
[71] JAMES, CHRISTOPHER COLIN, ZA
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[30] ZA (2018/06915) 2018-10-17

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[54] **COMPOSITIONS DE NEISSERIA MENINGITIDIS ET METHODES ASSOCIEES**
[72] ABSALON, JUDITH, US
[72] ANDERSON, ANNALIESA SYBIL, US
[72] BEESLAAR, JOHANNES FREDERICK, GB
[72] HARRIS, SHANNON LEA, US
[72] JANSEN, KATHRIN UTE, US
[72] JONES, THOMAS RICHARD, US
[72] LIBERATOR, PAUL, US
[72] MAGUIRE, JASON DOUGLAS, US
[72] PEREZ, JOHN LANCE, US
[72] TAN, CUIWEN, US
[71] PFIZER INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/IB2020/058928)
[87] (WO2021/059181)
[30] US (62/907,097) 2019-09-27
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[51] **Int.Cl. A23L 2/60 (2006.01) A23L 27/30 (2016.01) A23L 2/54 (2006.01) A23L 2/66 (2006.01)**
[25] EN
[54] **SWEETENER BLENDS WITH IMPROVED TASTE**
[54] **MELANGES EDULCORANTS A GOUT AMELIORE**
[72] HIGIRO, JUVENAL, US
[72] PRAKASH, INDRA, US
[72] PANSANI, REBEKA MELO, BR
[71] THE COCA-COLA COMPANY, US
[85] 2022-03-23
[86] 2020-09-28 (PCT/US2020/053011)
[87] (WO2021/062346)
[30] US (62/907,413) 2019-09-27

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[25] EN
[54] **BALLISTIC CALCULATOR HUB**
[54] **MOYEU DE CALCULATEUR BALISTIQUE**
[72] CLERMONT, TODD, US
[72] FARRELL, BEN, US
[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
[85] 2022-03-23
[86] 2020-09-28 (PCT/US2020/053075)
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[30] US (62/906,235) 2019-09-26

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[25] EN
[54] **SYSTEMS AND METHODS FOR LUNG CELL EXPANSION AND DIFFERENTIATION**
[54] **SYSTEMES ET PROCEDES POUR L'EXPANSION ET LA DIFFERENCIATION DE CELLULES PULMONAIRES**
[72] TATA, PURUSHOTHAMA RAO, US
[72] HOGAN, BRIGID, US
[72] KATSURA, HIROAKI, US
[71] DUKE UNIVERSITY, US
[85] 2022-03-23
[86] 2020-09-28 (PCT/US2020/053158)
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[30] US (62/906,241) 2019-09-26

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[51] **Int.Cl. A61K 31/721 (2006.01) A61K 47/61 (2017.01) A61K 49/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND RELATED METHODS FOR BLOCKING OFF-TARGET LOCALIZATION OF MANNOSYLATED DEXTRANS AND OTHER CD206 LIGANDS**
[54] **COMPOSITIONS ET PROCEDES ASSOCIES POUR BLOCAGE DE LOCALISATION HORS CIBLE DE DEXTRANS MANNOSYLES ET D'AUTRES LIGANDS CD206**
[72] RALPH, DAVID A., US
[72] ARNOLD, JEFFREY, US
[71] NAVIDEA BIOPHARMACEUTICALS, INC., US
[85] 2022-03-23
[86] 2020-09-30 (PCT/US2020/053604)
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[51] **Int.Cl. G16H 20/00 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **A METHOD TO MITIGATE ALLERGEN SYMPTOMS IN A PERSONALIZED AND HYPERLOCAL MANNER**
[54] **PROCEDE POUR ATTENUER DES SYMPTOMES D'ALLERGENES D'UNE MANIERE PERSONNALISEE ET HYPERLOCALE**
[72] GOULD, RUSSELL, US
[72] WALTERS, RUSSEL, US
[72] RICHTMYER, MATTHEW, US
[72] SHYR, THOMAS, US
[72] LEE, CHRISTINA, US
[72] CALLAGHAN, JENNIFER, US
[72] LIENERT, JESSICA, US
[72] HOU, GRANT, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2022-03-23
[86] 2020-09-24 (PCT/IB2020/058955)
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[30] US (62/904,834) 2019-09-24

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[25] FR
[54] **CONDENSATION HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A CONDENSATION**
[72] LE MER, JOSEPH, FR
[71] SERMETA, FR
[85] 2022-03-22
[86] 2020-09-25 (PCT/EP2020/076946)
[87] (WO2021/058762)
[30] FR (FR1910666) 2019-09-26

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-KIR3DL3 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-KIR3DL3 ET LEURS UTILISATIONS**
[72] FREEMAN, GORDON J., US
[72] ARULANANDAM, ANTONIO R., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2022-03-23
[86] 2020-10-02 (PCT/US2020/054063)
[87] (WO2021/067800)
[30] US (62/910,594) 2019-10-04

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[51] **Int.Cl. A61B 10/02 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **SAMPLE MANAGEMENT FOR CORE NEEDLE BIOPSY DEVICE**
[54] **GESTION D'ECHANTILLON POUR DISPOSITIF DE BIOPSIE A AIGUILLE CENTRALE**
[72] REBELLINO, JUSTIN, US
[72] MCBREEN, DAVID C., US
[72] NOCK, ANDREW P., US
[72] LEIMBACH, JESSICA P., US
[71] DEVICOR MEDICAL PRODUCTS, INC., US
[85] 2022-03-23
[86] 2020-10-15 (PCT/US2020/055779)
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[30] US (62/916,277) 2019-10-17

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[51] **Int.Cl. A61B 5/00 (2006.01) G01B 9/02 (2022.01) G01B 11/22 (2006.01) G01J 3/45 (2006.01)**
[25] EN
[54] **RESOLVING ABSOLUTE DEPTH IN CIRCULAR-RANGING OPTICAL COHERENCE TOMOGRAPHY**
[54] **RESOLUTION DE PROFONDEUR ABSOLUE DANS UNE TOMOGRAPHIE PAR COHERENCE OPTIQUE A TELEMETRIE CIRCULAIRE**
[72] VAKOC, BENJAMIN, US
[72] LIPPOK, NORMAN, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2022-03-23
[86] 2020-10-30 (PCT/US2020/058320)
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[51] **Int.Cl. G01N 21/88 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR INSPECTING PARTS**
[54] **DISPOSITIF ET PROCEDE DE CONTROLE DE PIECES**
[72] NAGORNY, PIERRE, FR
[72] PAIREL, ERIC, FR
[72] PILLET, MAURICE, FR
[71] UNIVERSITE SAVOIE MONT BLANC, FR
[85] 2022-03-23
[86] 2020-09-18 (PCT/EP2020/076075)
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[25] EN
[54] **STEERABLE ROTATIONAL HEMOSTASIS CLIP**
[54] **CLIP D'HEMOSTASE ROTATIF ORIENTABLE**
[72] SOLANO MONTENEGRO, ESTEBAN, CR
[72] RODRIGUEZ FORERO, DIANA CATALINA, IR
[72] VARGAS MENA, JAIRO MAURICIO, CR
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-03-23
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[30] US (62/969,353) 2020-02-03

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[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **EARLY-WARNING METHOD FOR COMMODITY INVENTORY RISK BASED ON A STATISTICAL INTERQUARTILE RANGE, AND SYSTEM AND COMPUTER-READABLE STORAGE MEDIUM THEREOF**
[54] **PROCEDE ET SYSTEME DE PRE-ALERTE DE RISQUE DE STOCK DE MARCHANDISES BASES SUR UN ECART INTERQUARTILE STATISTIQUE, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] OU, WENXIANG, CN
[72] XU, LIANG, CN
[72] JIANG, XUXI, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-21
[86] 2020-07-30 (PCT/CN2020/105964)
[87] (WO2021/052031)
[30] CN (201910892438.8) 2019-09-20

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[51] **Int.Cl. A43B 3/00 (2022.01) G01S 7/41 (2006.01) G01S 13/42 (2006.01) G01S 13/88 (2006.01) G01S 13/89 (2006.01) G01V 3/12 (2006.01) G01V 8/00 (2006.01)**
[25] EN
[54] **FOOTWEAR SCANNING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE BALAYAGE D'ARTICLES CHAUSSANTS**
[72] JONES, A. MARK, US
[72] SHEEN, DAVID M., US
[72] OWSLEY, JR., STANLEY L., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2022-03-23
[86] 2021-04-14 (PCT/US2021/027232)
[87] (WO2021/216332)
[30] US (63/012,622) 2020-04-20
[30] US (16/894,484) 2020-06-05

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[13] A1
[51] **Int.Cl. B05D 1/02 (2006.01) B05D 1/18 (2006.01) B05D 1/28 (2006.01)**
[25] EN
[54] **ACRYLATE AND NON-ACRYLATE BASED CHEMICAL COMPOSITIONS FOR SELECTIVELY COATING FIBER-BASED FOOD CONTAINERS**
[54] **COMPOSITIONS CHIMIQUES A BASE D'ACRYLATE ET DE NON-ACRYLATE POUR LE REVETEMENT SELECTIF DE RECIPIENTS ALIMENTAIRES A BASE DE FIBRES**
[72] CHUNG, YOKE D., US
[72] ZIEGELMAN, DUSTIN, US
[72] ZHANG, YIYUN, US
[72] GONZALEZ, RIC, US
[72] WANG, MIN, US
[71] FOOTPRINT INTERNATIONAL, LLC, US
[85] 2022-03-23
[86] 2021-05-14 (PCT/US2021/032396)
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[30] US (16/877,419) 2020-05-18

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[51] **Int.Cl. H04L 12/40 (2006.01) H01G 11/00 (2013.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01) H02J 15/00 (2006.01) H04L 12/10 (2006.01)**
[25] EN
[54] **INTERMEDIARY DEVICE FOR DAISY CHAIN AND TREE CONFIGURATION IN HYBRID DATA/POWER CONNECTION**
[54] **DISPOSITIF INTERMEDIAIRE POUR CONFIGURATION EN GUIRLANDE ET EN ARBRE DANS UNE CONNEXION HYBRIDE DE DONNEES/PUISSANCE**
[72] ROY, DANNY, CA
[72] BRAIS, LOUIS-PHILIPPE, CA
[72] LEMIEUX, BENOIT, CA
[72] PIKULIK, JEAN-YVES, CA
[71] GENETEC INC., CA
[85] 2022-03-24
[86] 2020-05-20 (PCT/CA2020/050676)
[87] (WO2021/056094)
[30] US (62/904,852) 2019-09-24
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[51] **Int.Cl. F16D 65/08 (2006.01) B25B 27/30 (2006.01) F16D 51/22 (2006.01)**
[25] EN
[54] **A DRUM BRAKE SHOE AND AN APPARATUS AND METHOD FOR CHANGING SAME**
[54] **SEGMENT DE FREIN A TAMBOUR ET APPAREIL ET PROCEDE POUR CHANGER CELUI-CI**
[72] PITT, KEN, AU
[71] PITT, KEN, AU
[85] 2022-03-24
[86] 2020-09-23 (PCT/AU2020/000110)
[87] (WO2021/056045)
[30] AU (2019903564) 2019-09-24

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[51] **Int.Cl. H01L 31/0468 (2014.01) H01L 31/049 (2014.01) H02S 20/00 (2014.01) H02S 20/26 (2014.01) H02S 20/30 (2014.01) H02S 30/10 (2014.01) H02S 40/20 (2014.01) B60J 1/20 (2006.01) E06B 1/36 (2006.01) E06B 3/663 (2006.01) E06B 7/28 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING ELECTRICITY**
[54] **DISPOSITIF DE PRODUCTION D'ELECTRICITE**
[72] LYFORD, JAMIE, AU
[72] ROSENBERG, VICTOR, AU
[72] COONEN, STEVEN, AU
[71] CLEARVUE TECHNOLOGIES LTD, AU
[85] 2022-03-24
[86] 2020-10-01 (PCT/AU2020/051051)
[87] (WO2021/062477)
[30] AU (2019903698) 2019-10-01
[30] AU (2019904261) 2019-11-12

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[13] A1
[51] **Int.Cl. G06F 16/901 (2019.01)**
[25] EN
[54] **MAP INFORMATION RETRIEVING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'EXTRACTION D'INFORMATIONS DE GRAPHE**
[72] NI, WEIYUAN, CN
[72] LU, CEN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-21
[86] 2019-09-18 (PCT/CN2019/106512)
[87] (WO2020/057567)
[30] CN (201811092167.X) 2018-09-19

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[51] **Int.Cl. A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **INHALER**
[54] **INHALATEUR**
[72] THOMPSON, MITCH, CA
[72] LEHOUX, PATRICK, CA
[72] COBALLE, DOMINIC, CA
[72] RAINVILLE, JASON, CA
[72] RODNEY, DAVE, CA
[71] FEATHER COMPANY LTD., CA
[85] 2022-03-24
[86] 2020-10-02 (PCT/CA2020/051331)
[87] (WO2021/062560)
[30] US (62/909,996) 2019-10-03

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[51] **Int.Cl. A61B 5/08 (2006.01) G16H 50/20 (2018.01) A61B 5/113 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ASSESSING SEVERITY OF RESPIRATORY DISTRESS OF A PATIENT**
[54] **PROCEDES ET SYSTEMES POUR EVALUER LA GRAVITE DE DETRESSE RESPIRATOIRE D'UN PATIENT**
[72] REHOUMA, HAYTHEM, CA
[72] NOUMEIR, RITA, CA
[72] JOUVET, PHILIPPE, CA
[72] ESSOURI, SANDRINE, CA
[71] SOCOVAR S.E.C., CA
[85] 2022-03-24
[86] 2020-09-23 (PCT/CA2020/051273)
[87] (WO2021/056104)
[30] US (62/904,980) 2019-09-24

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[51] **Int.Cl. B62D 63/08 (2006.01) B60P 7/08 (2006.01) B65D 88/12 (2006.01) B65D 90/12 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR SECURING A LOAD OF ELONGATED MEMBERS AGAINST A WALL SURFACE**
[54] **FIXATION PERMETTANT DE FIXER UNE CHARGE D'ELEMENTS ALLONGES CONTRE UNE SURFACE DE PAROI**
[72] CORLEY, ADAM FRANK, CA
[71] CORLEY, ADAM FRANK, CA
[85] 2022-03-24
[86] 2020-10-05 (PCT/CA2020/051333)
[87] (WO2021/062562)
[30] US (62/910,536) 2019-10-04

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[51] **Int.Cl. G06F 16/9535 (2019.01) G06F 40/279 (2020.01)**
[25] EN
[54] **METHOD OF AND DEVICE FOR GENERATING QUERY STRATEGY FOR COMMODITY SEARCHING**
[54] **METHODE ET DISPOSITIF POUR PRODUIRE UNE STRATEGIE DE REQUETE POUR LA RECHERCHE DE BIENS**
[72] CHEN, BING, CN
[72] GUAN, CHAOWEI, CN
[72] HOU, YONGTAO, CN
[72] LIU, YANRONG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-24
[86] 2020-07-30 (PCT/CN2020/105934)
[87] (WO2021/057250)
[30] CN (201910909527.9) 2019-09-24

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[51] **Int.Cl. B60T 8/17 (2006.01) B60L 7/24 (2006.01) B60T 8/171 (2006.01) B60T 8/172 (2006.01)**
[25] EN
[54] **BRAKING SYSTEM FOR AN OFF-ROAD VEHICLE**
[54] **SYSTEME DE FREINAGE POUR UN VEHICULE TOUT-TERRAIN**
[72] BRUNEAU, SAMUEL, CA
[72] BERNATCHEZ, GABRIEL, CA
[72] ACHARD, PAUL, CA
[71] TAIGA MOTORS INC., CA
[85] 2022-03-24
[86] 2020-11-06 (PCT/CA2020/051513)
[87] (WO2021/087621)
[30] US (62/931,326) 2019-11-06
[30] US (62/931,346) 2019-11-06

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[13] A1
[51] **Int.Cl. G06F 8/65 (2018.01)**
[25] EN
[54] **GRAYSCALE PUBLISHING METHOD AND DEVICE, ROUTING EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE PUBLICATION EN NIVEAUX DE GRIS, MATERIEL D'ACHEMINEMENT ET SUPPORT DE STOCKAGE**
[72] YOU, HAIBO, CN
[72] MAO, XIAOYONG, CN
[72] QIN, GANG, CN
[72] SI, XIAOBO, CN
[72] QIAN, JINJIN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-24
[86] 2020-07-30 (PCT/CN2020/105958)
[87] (WO2021/057251)
[30] CN (201910905769.0) 2019-09-24

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[51] **Int.Cl. G01B 21/10 (2006.01) F04D 7/02 (2006.01) G01B 21/08 (2006.01)**
[25] EN
[54] **A SENSING ARRAY, SYSTEM AND METHOD FOR ORE PROCESSING EQUIPMENT**
[54] **RESEAU DE DETECTION, SYSTEME ET PROCEDE POUR EQUIPEMENT DE TRAITEMENT DE MINERAI**
[72] BOURGEOIS, RONALD JOSEPH, US
[72] KOSMICKI, RANDY JAMES, US
[72] MILLINGTON, ROGER BRADLEY, GB
[72] FRAKE, JAMES CHRISTOPHER, GB
[71] WEIR SLURRY GROUP, INC., US
[85] 2022-03-24
[86] 2020-10-29 (PCT/AU2020/051167)
[87] (WO2021/081584)
[30] US (62/927,397) 2019-10-29
[30] AU (2020900343) 2020-02-07

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[13] A1
[51] **Int.Cl. G01N 27/30 (2006.01) G01N 27/414 (2006.01)**
[25] EN
[54] **A MULTI-LAYERED ELECTRODE FOR SENSING PH**
[54] **ELECTRODE MULTICOUCHE POUR LA DETECTION DU PH**
[72] VEPSALAINEN, MIKKO KALEVI, AU
[72] BEN-DAVID, ABRAHAM ELIAHU, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2022-03-24
[86] 2020-11-06 (PCT/AU2020/051210)
[87] (WO2021/087569)
[30] AU (2019904170) 2019-11-06

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[51] **Int.Cl. A61P 25/06 (2006.01) A61P 25/08 (2006.01) A61P 25/14 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS**
[54] **COMPOSES HETEROCYCLIQUES**
[72] BENZ, JOERG, CH
[72] GOBBI, LUCA, CH
[72] GRETHER, UWE, CH
[72] HORNSPERGER, BENOIT, CH
[72] KROLL, CARSTEN, CH
[72] KUHN, BERND, CH
[72] MARTIN, RAINER E., CH
[72] O'HARA, FIONN, CH
[72] PUELLMANN, BERND, CH
[72] RICHTER, HANS, CH
[72] RITTER, MARTIN, CH
[71] F. HOFFMANN - LA ROCHE AG, CH
[85] 2022-03-24
[86] 2020-09-22 (PCT/EP2020/076346)
[87] (WO2021/058444)

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[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/32 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **BINDING MODULES COMPRISING MODIFIED EHD2 DOMAINS**
[54] **MODULES DE LIAISON COMPRENANT DES DOMAINES EHD2 MODIFIES**
[72] KONTERMANN, ROLAND, DE
[72] SEIFERT, OLIVER, DE
[71] UNIVERSITAT STUTTGART, DE
[85] 2022-03-24
[86] 2020-09-25 (PCT/EP2020/077008)
[87] (WO2021/058804)
[30] EP (19199639.6) 2019-09-25

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[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **TRIVALENT BINDING MOLECULES**
[54] **MOLECULES DE LIAISON TRIVALENTES**
[72] KONTERMANN, ROLAND, DE
[72] SEIFERT, OLIVER, DE
[72] ASCHMONEIT, NADINE, DE
[71] UNIVERSITAT STUTTGART, DE
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[25] EN
[54] **PRODUCTION OF FRAGMENTS OF LIGNIN WITH FUNCTIONAL GROUPS**
[54] **PRODUCTION DE FRAGMENTS DE LIGNINE AVEC DES GROUPES FONCTIONNELS**
[72] LUTERBACHER, JEREMY, CH
[72] GRAHAM, DICK, CA
[72] BERTELLA, STEFANIA, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2022-03-24
[86] 2020-10-14 (PCT/EP2020/078871)
[87] (WO2021/074210)
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[51] **Int.Cl. G06F 9/445 (2018.01)**
[25] EN
[54] **BUSINESS PROCESS CONFIGURING METHOD, BUSINESS REQUEST PROCESSING METHOD, AND DEVICES**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE FLUX DE TRAITEMENT DE SERVICE, ET PROCEDE ET APPAREIL DE TRAITEMENT DE DEMANDE DE SERVICE**
[72] XIAO, LIANGJUN, CN
[72] WANG, KANGLONG, CN
[72] QIN, GANG, CN
[72] SI, XIAOBO, CN
[72] QIAN, JINJIN, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **ENCODER, DECODER AND DATA STREAM FOR GRADUAL DECODER REFRESH CODING AND SCALABLE CODING**
[54] **CODEUR, DECODEUR ET FLUX DE DONNEES POUR CODAGE DE RAFRAICHISSEMENT DE DECODEUR PROGRESSIF ET CODAGE EVOLUTIF**
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SUHRING, KARSTEN, DE
[72] HELLGE, CORNELIUS, DE
[72] SCHIERL, THOMAS, DE
[72] SKUPIN, ROBERT, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[86] 2020-09-23 (PCT/EP2020/076616)
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[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A DECORATIVE WALL- OR FLOOR PANEL**
[54] **METHODE ET DISPOSITIF DE PRODUCTION D'UN PANNEAU DECORATIF POUR UN MUR OU POUR UN SOL**
[72] HANNIG, HANS-JURGEN, DE
[72] HOFF, EGON, DE
[72] HULLENKREMER, FELIX, DE
[71] AKZENTA PANEELE + PROFILE GMBH, DE
[85] 2022-03-24
[86] 2020-09-25 (PCT/EP2020/076866)
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[25] EN
[54] **VECTOR**
[54] **VECTEUR**
[72] SHAW, CHRISTOPHER EDWARD DENNISTOUN, GB
[72] LEE, YOUN BOK, GB
[71] KING'S COLLEGE LONDON, GB
[85] 2022-03-24
[86] 2020-09-28 (PCT/EP2020/077144)
[87] (WO2021/058830)
[30] GB (1913974.0) 2019-09-27

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[51] **Int.Cl. C07D 493/14 (2006.01) C07H 9/04 (2006.01) C08G 63/42 (2006.01)**
[25] EN
[54] **RENEWABLE MONOMER AND POLYMER THEREOF**
[54] **MONOMERE RENOUVELABLE ET POLYMERE DE CELUI-CI**
[72] LUTERBACHER, JEREMY, CH
[72] MANKER, LORENZ, CH
[72] GRAHAM, DICK, CA
[72] BERTELLA, STEFANIA, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
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[51] **Int.Cl. B24C 11/00 (2006.01) B24C 1/04 (2006.01)**
[25] EN
[54] **ABRASIVE FOR JET CUTTING**
[54] **ABRASIF POUR DECOUPE AU JET**
[72] HIDDE, MARC, DE
[72] HAHN, ANDRE, DE
[71] VULKAN INOX GMBH, DE
[85] 2022-03-24
[86] 2020-12-03 (PCT/EP2020/084384)
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[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/20 (2016.01) C07C 5/00 (2006.01)**
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[54] **IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS**
[54] **PERFECTIONNEMENTS APPORTES OU ASSOCIES A DES COMPOSES ORGANIQUES**
[72] FURRER, STEFAN, MICHAEL, US
[72] DE KLERK, ADRI, NL
[72] KAOUAS, ABDELMAJID, NL
[72] SLACK, JAY, PATRICK, US
[72] WINKEL, CORNELIS, NL
[71] GIVAUDAN SA, CH
[85] 2022-03-24
[86] 2020-09-29 (PCT/EP2020/077221)
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[30] US (62/908,177) 2019-09-30
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) B01J 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING OIL-IN-WATER EMULSIONS**
[54] **PROCEDE DE PRODUCTION D'EMULSIONS HUILE DANS L'EAU**
[72] JUNG, ANDREAS HEINRICH, AT
[72] KOTH, CHRISTOPH, AT
[72] STADLER, PETER GERHARD, AT
[71] FRESENIUS KABI AUSTRIA GMBH, AT
[85] 2022-03-24
[86] 2020-12-18 (PCT/EP2020/086956)
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[30] EP (19218741.7) 2019-12-20

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[25] EN
[54] **RODENT TRAPS**
[54] **PIEGES A RONGEURS**
[72] HANSEN, NEILS, GB
[72] WINGETT, GARY, GB
[72] MCCAIG, JOHN, GB
[72] BEST, MICHAEL, GB
[71] RENTOKIL INITIAL 1927 PLC, GB
[85] 2022-03-24
[86] 2020-07-27 (PCT/GB2020/051799)
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[30] GB (1913904.7) 2019-09-26

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[51] **Int.Cl. G06V 20/69 (2022.01)**
[25] EN
[54] **ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS**
[54] **PRISE EN COMPTE D'ERREURS DANS DES MESURES OPTIQUES**
[72] PECKER, SHARON, IL
[72] ESHEL, YOCHAY SHLOMO, IL
[72] ZAIT, AMIR, IL
[72] GLUCK, DAN, IL
[72] YORAV-RAPHAEL, NOAM, IL
[72] HOURI YAFIN, ARNON, IL
[72] LEVY SCHREIER, SARAH, IL
[72] POLLAK, JOSEPH JOEL, IL
[72] LEVNER, DANIEL, US
[72] HALPERIN, YONATAN, IL
[72] LEZMY, NATALIE, IL
[72] WEISS, ITAMAR, IL
[71] S.D. SIGHT DIAGNOSTICS LTD, IL
[85] 2022-03-23
[86] 2020-10-22 (PCT/IB2020/059924)
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[30] US (62/924,229) 2019-10-22

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[13] A1
[51] **Int.Cl. G06V 20/69 (2022.01) G01N 33/49 (2006.01)**
[25] EN
[54] **ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS**
[54] **COMPTABILISATION D'ERREURS DANS DES MESURES OPTIQUES**
[72] PECKER, SHARON, IL
[72] ESHEL, YOCHAY SHLOMO, IL
[72] ZAIT, AMIR, IL
[72] GLUCK, DAN, IL
[72] YORAV-RAPHAEL, NOAM, IL
[72] HOURI YAFIN, ARNON, IL
[72] LEVY SCHREIER, SARAH, IL
[72] POLLAK, JOSEPH JOEL, IL
[72] LEVNER, DANIEL, US
[72] HALPERIN, YONATAN, IL
[72] LEZMY, NATALIE, IL
[72] WEISS, ITAMAR, IL
[71] S.D. SIGHT DIAGNOSTICS LTD, IL
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[86] 2020-10-22 (PCT/IB2020/059925)
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] TAKAHASHI, YUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[71] NTT DOCOMO, INC., JP
[85] 2022-03-23
[86] 2019-09-27 (PCT/JP2019/038334)
[87] (WO2021/059524)

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[51] **Int.Cl. B23B 41/08 (2006.01) B23B 47/34 (2006.01) B28D 1/14 (2006.01) B28D 7/02 (2006.01) F16L 41/06 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **PIPE DRILLING DEVICE**
[54] **DISPOSITIF DE PERCAGE DE CONDUIT**
[72] NAKAZATO, KENSUKE, JP
[71] COSMO KOKI CO., LTD., JP
[85] 2022-03-23
[86] 2020-10-05 (PCT/JP2020/037707)
[87] (WO2021/070773)
[30] JP (2019-187832) 2019-10-11

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[13] A1
[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **NASOPHARYNGEAL AIRWAY DEVICE**
[54] **DISPOSITIF POUR VOIES AERIENNES NASOPHARYNGE**
[72] BERLIN, ANDREW, US
[71] NPA MEDICAL, LLC, US
[85] 2022-03-23
[86] 2019-09-20 (PCT/US2019/052191)
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[30] US (16/139,165) 2018-09-24

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[51] **Int.Cl. B02C 17/22 (2006.01) B02C 23/00 (2006.01) B23P 19/04 (2006.01) B23P 19/06 (2006.01) B25J 19/00 (2006.01)**
[25] EN
[54] **AUTOMATIC DEVICE OR TOOL FOR REMOVING AND INSTALLING MEANS FOR FASTENING LINERS IN A MILL; METHOD FOR INSTALLING THE MEANS FOR FASTENING A LINER; METHOD FOR REMOVING THE MEANS FOR FASTENING A LINER**
[54] **DISPOSITIF OU OUTIL AUTOMATIQUE POUR L'EXTRACTION ET L'INSTALLATION DE MOYENS DE FIXATION DES REVETEMENTS DANS UN MOULIN; PROCEDE D'INSTALLATION DES MOYENS DE FIXATION D'UN REVETE MENT; PROCEDE D'ELIMINATION DES MOYENS DE FIXATION D'UN REVETEMENT**
[72] ELIAS CABRERA, IGOR SEBASTIAN, CL
[72] POBLETE GUTIERREZ, MARIO FRANCISCO, CL
[71] MI ROBOTIC SOLUTIONS S.A., CL
[85] 2022-03-03
[86] 2019-09-03 (PCT/CL2019/050084)
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[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/4196 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **POLYMORPHS OF TRIAZOLE ANTIFUNGAL COMPOUND PC945**
[54] **POLYMORPHES DE COMPOSE ANTIFONGIQUE DE TRIAZOLE PC945**
[72] WALLIS, CHRISTOPHER JOHN, GB
[72] STEELE, GERALD, GB
[72] BUTTAR, SUZANNE, GB
[72] SULEIMAN, OSAMA, GB
[72] NORTHEN, JULIAN, GB
[72] MYKYTIUK, JOHN, GB
[72] MARSHALL, JAMIE, GB
[71] PULMOCIDE LIMITED, GB
[85] 2022-03-24
[86] 2020-12-04 (PCT/GB2020/053107)
[87] (WO2021/111142)
[30] GB (1917867.2) 2019-12-06

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[25] EN
[54] **PRINTING CASSETTE AND PRINTER**
[54] **CASSETTE D'IMPRESSION ET IMPRIMANTE**
[72] UKAI, SHINJI, JP
[72] MURAYAMA, KENTARO, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2022-03-24
[86] 2020-09-15 (PCT/JP2020/034876)
[87] (WO2021/065476)
[30] JP (2019-178164) 2019-09-30

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[13] A1
[51] **Int.Cl. A01G 22/00 (2018.01) A01N 63/20 (2020.01) C05F 17/20 (2020.01) C05F 17/50 (2020.01) A01P 21/00 (2006.01) C09K 17/00 (2006.01) C12N 1/20 (2006.01) A01G 7/00 (2006.01)**
[25] EN
[54] **USE OF MICROORGANISM TO IMPROVE PLANT PRODUCTIVITY OF SOIL**
[54] **UTILISATION D'UN MICRO-ORGANISME POUR AMELIORER LA PRODUCTIVITE VEGETALE DU SOL**
[72] MIYASHITA, HIROKI, JP
[71] MOSIL CO., LTD., JP
[85] 2022-03-24
[86] 2020-10-01 (PCT/JP2020/037476)
[87] (WO2021/066115)
[30] JP (2019-182447) 2019-10-02

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[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/84 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING WORK MACHINE**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UN ENGIN DE CHANTIER**
[72] HIRAYAMA, MASAMI, JP
[71] KOMATSU LTD., JP
[85] 2022-03-24
[86] 2020-12-07 (PCT/JP2020/045518)
[87] (WO2021/131645)
[30] JP (2019-235832) 2019-12-26

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[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **COMMON INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION COMMUN**
[72] YEH, CHIN-MIN, CN
[71] CC BIOTECHNOLOGY CORPORATION, TW
[85] 2022-04-07
[86] 2019-09-19 (PCT/CN2019/106677)
[87] (WO2021/051350)

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[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/51 (2014.01)**
[25] EN
[54] **DISALLOWING UNUSED LAYERS IN MULTI-LAYER VIDEO BITSTREAMS**
[54] **ANNULATION DE COUCHES INUTILISEES DANS DES FLUX BINAIRES VIDEO MULTICOUCHE**
[72] WANG, YE-KUI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-24
[86] 2020-09-15 (PCT/US2020/050904)
[87] (WO2021/061453)
[30] US (62/905,136) 2019-09-24

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/427 (2006.01) A61K 31/428 (2006.01) A61K 31/4439 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **NOVEL COMPOUND AND USE THEREOF IN TREATING AUTOIMMUNE DISEASES**
[54] **NOUVEAU COMPOSE ET SON UTILISATION DANS LE TRAITEMENT DE MALADIES AUTO-IMMUNES**
[72] SEO, SU KIL, KR
[72] JANG, WON HEE, KR
[72] LEE, SOUNG MIN, KR
[72] YOON, EUN HYE, KR
[72] PARK, HA YOUNG, KR
[72] KIM, CHAE EUN, KR
[71] PARENCHYMA BIOTECH INC., KR
[85] 2022-03-24
[86] 2020-09-29 (PCT/KR2020/013418)
[87] (WO2021/066573)
[30] US (62/910,537) 2019-10-04
[30] KR (10-2020-0127176) 2020-09-29

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[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 3/048 (2013.01) G06F 15/02 (2006.01)**
[25] EN
[54] **RECRUITING METHOD AND SOFTWARE**
[54] **PROCEDE ET LOGICIEL DE RECRUTEMENT**
[72] MILLER, DANIEL, US
[72] YEVEROVICH, SARAH, US
[71] RECRUITERPM LLC, US
[85] 2022-03-23
[86] 2020-09-21 (PCT/US2020/051801)
[87] (WO2021/061569)
[30] US (62/906,205) 2019-09-26
[30] US (63/045,515) 2020-06-29

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[13] A1
[51] **Int.Cl. F16J 15/10 (2006.01) H01M 8/04119 (2016.01) F16F 15/04 (2006.01)**
[25] EN
[54] **GASKET ASSEMBLY AND FUEL CELL HUMIDIFIER COMPRISING SAME**
[54] **ENSEMBLE JOINT D'ETANCHEITE ET HUMIDIFICATEUR DE PILE A COMBUSTIBLE LE COMPRENANT**
[72] KIM, DO WOO, KR
[72] YANG, HYOUNG MO, KR
[72] KIM, IN HO, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2022-03-24
[86] 2021-05-20 (PCT/KR2021/006259)
[87] (WO2021/235853)
[30] KR (10-2020-0061426) 2020-05-22

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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE USER INTERFACE**
[54] **INTERFACE UTILISATEUR DE MACHINE A BOISSON**
[72] AHMED, MUSTAFA KAMAL, US
[72] WATTS, LISA FORTINI, US
[72] HADDEN, JEFFREY SOL, US
[72] OLIVERA, HANIEL, US
[72] TATAR, ILYA, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-24
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[87] (WO2021/061558)
[30] US (62/904,812) 2019-09-24

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4045 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **BIOMARKER PANEL TARGETED TO DISEASES DUE TO MULTIFACTORIAL ONTOLOGY OF GLYCOCALYX DISRUPTION**
[54] **TRAITEMENT MEDICAMENTEUX ET PANEL DE BIOMARQUEURS CIBLANT DES MALADIES DUES A L'ONTOLOGIE MULTIFACTORIELLE DE L'INTERRUPTION DE LA GLYCOCALYX**
[72] TUNAC, JOSEFINO B., US
[71] ARTEREZ, INC., US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052912)
[87] (WO2021/062298)
[30] US (62/907,389) 2019-09-27

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[13] A1
[51] **Int.Cl. H04B 7/0456 (2017.01) H04L 1/06 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND METHODS USING VERY LARGE MULTIPLE-IN MULTIPLE-OUT (MIMO) ANTENNA SYSTEMS WITH EXTREMELY LARGE CLASS OF FAST UNITARY TRANSFORMATIONS**
[54] **SYSTEME ET PROCEDES DE COMMUNICATION UTILISANT DES SYSTEMES D'ANTENNES A ENTREES MULTIPLES ET SORTIES MULTIPLES (MIMO) DE TRES GRANDE TAILLE AVEC UNE CLASSE EXTREMEMENT IMPORTANTE DE TRANSFORMATIONS UNITAIRES RAPIDES**
[72] ROBINSON, MATTHEW BRANDON, US
[71] RAMPART COMMUNICATIONS, INC., US
[85] 2022-03-23
[86] 2020-09-22 (PCT/US2020/051927)
[87] (WO2021/061604)
[30] US (16/580,722) 2019-09-24

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[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01) A61N 1/05 (2006.01) A61N 1/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TARGETED AND ADAPTIVE TRANSCUTANEOUS SPINAL CORD STIMULATION**
[54] **PROCEDE ET SYSTEME DE STIMULATION TRANSCUTANEE ADAPTATIVE ET CIBLEE DE LA MOELLE EPINIERE**
[72] LO, YI-KAI, US
[72] YUNG, RACHEL, US
[72] WANG, PO-MIN, US
[72] BALDWIN, ALEX, US
[72] NI, CHIA-HUNG, US
[71] NICHE BIOMEDICAL, INC., US
[85] 2022-03-24
[86] 2020-09-28 (PCT/US2020/052992)
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[30] US (62/907,475) 2019-09-27

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[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01) B65D 33/16 (2006.01) B65D 51/20 (2006.01) C12M 1/34 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **SAMPLE COLLECTION KIT INCLUDING CAP HAVING SELECTIVELY OPENABLE DIAPHRAGM VALVE**
[54] **KIT DE COLLECTE D'ECHANTILLONS COMPRENANT UN CAPUCHON AYANT UNE VANNE A DIAPHRAGME POUVANT ETRE OUVERTE DE MANIERE SELECTIVE**
[72] JOHNSON, NEIL, US
[71] SPECTRUM SOLUTIONS, LLC, US
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[54] **PHOTODYNAMIC METHOD OF INHIBITING GROWTH OF A MICROBIAL PLANT PATHOGEN**
[54] **PROCEDE PHOTODYNAMIQUE D'INHIBITION DE LA CROISSANCE D'UN AGENT PATHOGENE MICROBIEN DE PLANTE**
[72] FRANCE, CHRISTOPHER BRIAN, US
[72] WILLIAM, BELL, US
[71] TDA RESEARCH, INC., US
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[54] **SURGICAL NAVIGATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE NAVIGATION CHIRURGICALE**
[72] WALEN, JAMES G., US
[72] BOLTHOUSE, ZACHARY, US
[72] KEMP, ZACHARY, US
[72] TALLON, DAVID, IE
[71] STRYKER CORPORATION, US
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[54] **SAMPLE COLLECTION AND DETECTION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE COLLECTE ET DE DETECTION D'ECHANTILLON**
[72] LIN, SHI SHENG, CN
[72] DONG, WEN KUN, CN
[72] WANG, YAN YAN, CN
[71] ASSURE TECH. (HANGZHOU) CO., LTD., CN
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[25] EN
[54] **DRUG DELIVERY DEVICE AND METHODS OF DELIVERING A DRUG**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET PROCEDES D'ADMINISTRATION D'UN MEDICAMENT**
[72] FINKELSTEIN, EMIL, US
[72] SKALL, SOREN FORBECH, US
[72] EILERTSEN, LARS, US
[72] OHLENSCHLAGER, RASMUS, US
[72] DUDMAN, JOSHUA JAY, US
[72] GROVE SUND, ANDERS, US
[72] SANCHEZ, STEVE, US
[71] AMGEN INC., US
[85] 2022-03-24
[86] 2020-09-29 (PCT/US2020/053180)
[87] (WO2021/067210)
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[54] **NOTIFICATION OF EVENTS AND APPORTIONING OF PROCESS DATA IN A METER**
[54] **NOTIFICATION D'EVENEMENTS ET REPARTITION DE DONNEES DE TRAITEMENT DANS UN COMPTEUR**
[72] KRAVITZ, ANDREW S., US
[72] HELLER, MATTHEW A., US
[72] MURRA, NATHAN C., US
[72] WYATT, TONYA L., US
[71] MICRO MOTION, INC., US
[85] 2022-03-24
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[25] EN
[54] **PYRIDO[3,2-D]PYRIMIDINE COMPOUNDS AS IMMUNOMODULATORS**
[54] **COMPOSES PYRIDO[3,2-D]PYRIMIDINE EN TANT QU'IMMUNOMODULATEURS**
[72] LI, JINGWEI, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2022-03-24
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[54] **SURFACE-MOUNTABLE (SMD) THERMOCOUPLE CONNECTOR WITH REVERSE POLARITY PROTECTION**
[54] **CONNECTEUR DE THERMOCOUPLE A MONTAGE EN SURFACE (SMD) AVEC PROTECTION CONTRE LA POLARITE INVERSE**
[72] LEIBIG, KENNETH J., US
[72] ANNEN, MATTHEW, US
[71] OMEGA ENGINEERING, INC., US
[85] 2022-03-24
[86] 2019-12-05 (PCT/US2019/064609)
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[25] EN
[54] **NOVEL METHOD**
[54] **NOUVEAU PROCEDE**
[72] MALYSHEVA, VALERIYA, GB
[72] SCHOENFELDER, STEFAN, GB
[72] SPIVAKOV, MIKHAIL, GB
[72] NAGANO, TAKASHI, GB
[72] FRASER, PETER, GB
[71] BABRAHAM INSTITUTE, GB
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[51] **Int.Cl. C12N 7/00 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **DEVELOPMENT OF A NOVEL LIVE ATTENUATED AFRICAN SWINE FEVER VACCINE BASED IN THE DELETION OF GENE I177L**
[54] **DEVELOPPEMENT D'UN NOUVEAU VACCIN VIVANT ATTENUE CONTRE LA PESTE PORCINE AFRICAINE BASE SUR LA DELETION DU GENE I177L**
[72] GLADUE, DOUGLAS P., US
[72] BORCA, MANUEL V., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[85] 2022-03-24
[86] 2020-03-13 (PCT/US2020/022569)
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[25] EN
[54] **PYRIDOPYRIMIDINE DERIVATIVES USEFUL AS KRAS G12C AND KRAS G12D INHIBITORS IN THE TREATMENT OF CANCER**
[54] **DERIVES DE PYRIDOPYRIMIDINE UTILES EN TANT QU'INHIBITEURS DE KRAS G12C ET DE KRAS G12D DANS LE TRAITEMENT DU CANCER**
[72] WANG, HUI-LING, US
[72] CEE, VICTOR J., US
[71] AMGEN INC., US
[85] 2022-03-24
[86] 2020-10-22 (PCT/US2020/056874)
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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/522 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING EXERCISE PERFORMANCE, SINGLE VENTRICULAR PERFORMANCE, AND MYOCARDIAL PERFORMANCE INDEX (MPI) IN SINGLE VENTRICLE HEART DISEASE, USING UDENAFIL COMPOSITIONS**
[54] **PROCEDES D'AMELIORATION DE LA PERFORMANCE DURANT L'EXERCICE, DE LA PERFORMANCE UNIVENTRICULAIRE ET DE L'INDICE DE PERFORMANCE MYOCARDIQUE (MPI) DANS UNE MALADIE DE C□UR UNIVENTRIC ULAIRE, A L'AIDE DE COMPOSITIONS D'UDENAFIL**
[72] YEAGER, JAMES L., US
[72] GOLDBERG, DAVID J., US
[72] PARIDON, STEPHEN M., US
[71] MEZZION PHARMA CO., LTD., KR
[71] CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2022-03-24
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[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING STANNOUS ION SOURCE, NEUTRAL AMINO ACID, AND POLYPHOSPHATE**
[54] **COMPOSITIONS DE SOINS BUCCODENTAIRES COMPRENANT UNE SOURCE D'IONS STANNEUX, UN ACIDE AMINE NEUTRE ET UN POLYPHOSPHATE**
[72] SHI, YUNMING, CN
[72] STRAND, ROSS, SG
[71] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **ANTAGONISTS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4**
[54] **ANTAGONISTES DU RECEPTEUR M4 D'ACETYLCHOLINE MUSCARINIQUE**
[72] LINDSLEY, CRAIG W., US
[72] CONN, P. JEFFREY, US
[72] BENDER, AARON M., US
[72] SPOCK, MATTHEW, US
[72] HAN, CHANGHO, US
[71] VANDERBILT UNIVERSITY, US
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[25] EN
[54] **DENTIFRICE COMPOSITIONS FOR TREATMENT OF DENTAL BIOFILM**
[54] **COMPOSITIONS DE DENTIFRICE POUR LE TRAITEMENT D'UN BIOFILM DENTAIRE**
[72] STRAND, ROSS, SG
[72] LI, XIAOXIAO, CN
[72] SHI, YUNMING, CN
[71] THE PROCTER & GAMBLE COMPANY, US
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[51] **Int.Cl. C10B 53/06 (2006.01) B01D 53/38 (2006.01) C10G 1/02 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **RENEWABLE ENERGY USE IN OIL SHALE RETORTING**
[54] **UTILISATION D'ENERGIE RENOUVELABLE DANS LA DISTILLATION A LA CORNUE DE SCHISTES BITUMINEUX**
[72] SCHNEIDER, OTTO JOHN, US
[72] OWEN, PAUL, GB
[71] KEROGEN SYSTEMS, INCORPORATED, US
[85] 2022-03-24
[86] 2020-08-19 (PCT/US2020/046917)
[87] (WO2021/034887)
[30] US (62/888,842) 2019-08-19
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[51] **Int.Cl. H04B 10/70 (2013.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **QUANTUM REPEATER FROM QUANTUM ANALOG-DIGITAL INTERCONVERTER**
[54] **REPETEUR QUANTIQUE A PARTIR D'UN CONVERTISSEUR ENTRE ANALOGIQUE ET NUMERIQUE QUANTIQUE**
[72] VERDON-AKZAM, GUILLAUME, CA
[71] X DEVELOPMENT LLC, US
[85] 2022-03-24
[86] 2020-10-05 (PCT/US2020/054309)
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[51] **Int.Cl. A61K 8/365 (2006.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/25 (2006.01) A61K 8/27 (2006.01) A61K 8/44 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **DENTIFRICE COMPOSITIONS FOR TREATMENT OF DENTAL BIOFILM**
[54] **COMPOSITIONS DE DENTIFRICE POUR LE TRAITEMENT D'UN BIOFILM DENTAIRE**
[72] STRAND, ROSS, SG
[72] LI, XIAOXIAO, CN
[72] SHI, YUNMING, CN
[71] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **OLS FOR MULTIVIEW SCALABILITY**
[54] **OLS POUR EXTENSIBILITE MULTI-VUES**
[72] WANG, YE-KUI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-24
[86] 2020-09-18 (PCT/US2020/051608)
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[51] **Int.Cl. C07C 309/32 (2006.01) A61K 31/167 (2006.01) A61K 31/4412 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07D 213/71 (2006.01)**
[25] EN
[54] **SULFO-SUBSTITUTED BIARYL COMPOUNDS OR SALTS THEREOF AND PREPARATION METHOD AND USE THEREOF**
[54] **COMPOSE DE BIARYLE SUBSTITUE PAR SULFO OU SEL CORRESPONDANT, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] CHENG, YAOBANG, CN
[72] HUANG, YAFEI, CN
[72] ZHOU, JUAN, CN
[72] DONG, ZHIQIANG, CN
[71] SHANGHAI LITEDD CO., LTD., CN
[85] 2022-03-25
[86] 2020-09-29 (PCT/CN2020/118905)
[87] (WO2021/063362)
[30] CN (201910938067.2) 2019-09-30
[30] CN (202010966741.0) 2020-09-15

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[51] **Int.Cl. A45D 40/24 (2006.01) A61K 8/04 (2006.01) A61K 8/73 (2006.01)**
[25] EN
[54] **NON-ANIMAL SOFTGEL CAPSULE FORMULATIONS, METHODS OF PREPARATION, AND METHODS OF USE THEREOF**
[54] **FORMULATIONS DE CAPSULES DE GEL MOU NON ANIMAL, PROCEDES DE PREPARATION ET PROCEDES D'UTILISATION ASSOCIES**
[72] FANG, QI, US
[72] TANNER, KEITH, US
[72] SUKURU, KARUNAKAR, US
[72] GENNADIOS, ARISTIPPOS, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2022-03-24
[86] 2020-10-08 (PCT/US2020/054806)
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[30] US (62/912,886) 2019-10-09

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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/06 (2006.01) B65D 85/816 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE WITH CAPSULE IMAGING**
[54] **MACHINE DE PREPARATION DE BOISSON A IMAGERIE DE CAPSULE**
[72] IOANNIDIS, NICHOLAS GEORGE, US
[72] CASSANO, ROBERT DANA, US
[72] FUCCI, JOSEPH GEORGE, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-24
[86] 2020-09-21 (PCT/US2020/051750)
[87] (WO2021/061553)
[30] US (62/904,805) 2019-09-24

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[51] **Int.Cl. B60B 3/16 (2006.01) B60B 7/06 (2006.01)**
[25] EN
[54] **WHEEL END MONITORING APPARATUS, FASTENER, AND METHOD**
[54] **APPAREIL DE SURVEILLANCE D'EXTREMITE DE ROUE, ELEMENT DE FIXATION, ET PROCEDE**
[72] MORTENSEN, BENJAMIN, US
[72] BOVE, BRIAN, US
[72] DESHMUKH, KAUSTUBH, US
[72] REDDINGTON, II, TIMOTHY JAMES, US
[71] CONSOLIDATED METCO, INC., US
[85] 2022-03-24
[86] 2020-10-08 (PCT/US2020/054827)
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[51] **Int.Cl. H04N 19/423 (2014.01) H04N 19/46 (2014.01) G06K 9/00 (2022.01) G06T 9/00 (2006.01)**
[25] EN
[54] **PICTURE TIMING AND DECODING UNIT INFORMATION FOR TEMPORAL SCALABILITY**
[54] **INFORMATIONS D'UNITE DE SYNCHRONISATION ET DE DECODAGE D'IMAGE POUR ECHELONNABILITE TEMPORELLE**
[72] WANG, YE-KUI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-24
[86] 2020-09-21 (PCT/US2020/051826)
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[51] **Int.Cl. A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING HOPS BETA ACID AND AMINO ACID**
[54] **COMPOSITIONS DE SOIN BUCCO-DENTAIRES A BASE D'ACIDE BETA DE HOUBLON ET D'ACIDE AMINE**
[72] SHI, YUNMING, CN
[72] ST. JOHN, SAMUEL JAMES, US
[72] STRAND, ROSS, SG
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-25
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[30] CN (PCT/CN2019/109392) 2019-09-30

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[51] **Int.Cl. A61M 1/28 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING FLUID VOLUMES DURING PERITONEAL DIALYSIS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE VOLUMES DE FLUIDE PENDANT UNE DIALYSE PERITONEALE**
[72] KOTANKO, PETER, US
[72] ZHU, FANSAN, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-24
[86] 2020-10-09 (PCT/US2020/054910)
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[30] US (62/913,217) 2019-10-10

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[25] EN
[54] **FILTER FLAGS FOR SUBPICTURE DEBLOCKING**
[54] **DRAPEAUX DE FILTRE POUR DEBLOCAGE DE SOUS-IMAGE**
[72] HENDRY, FNU, US
[72] WANG, YE-KUI, US
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-24
[86] 2020-09-23 (PCT/US2020/052287)
[87] (WO2021/061826)
[30] US (62/905,231) 2019-09-24

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[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/25 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **DENTIFRICE COMPOSITIONS COMPRISING BICARBONATE SALT AND NEUTRAL AMINO ACID**
[54] **COMPOSITIONS DE DENTIFRICE COMPRENANT UN SEL DE BICARBONATE ET UN ACIDE AMINE NEUTRE**
[72] STRAND, ROSS, SG
[72] SHI, YUNMING, CN
[72] GAO, ZHAOXIN, CN
[72] LI, XINXIN, CN
[71] THE PROCTER & GAMBLE COMPANY, US
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[86] 2020-09-30 (PCT/CN2020/119208)
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[30] CN (PCT/CN2019/109404) 2019-09-30

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[51] **Int.Cl. B01D 53/02 (2006.01) B01J 20/22 (2006.01) B01J 20/26 (2006.01) C08G 73/06 (2006.01) C08G 73/10 (2006.01) C08J 9/28 (2006.01)**
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[54] **HYDROPHOBIC POLYIMIDE AEROGELS**
[54] **AEROGELS DE POLYIMIDE HYDROPHOBES**
[72] STEINER, STEPHEN A., III, US
[72] NELSON, RYAN T., US
[72] BUCKWALTER, MORIAH C., US
[72] GRIFFIN, JUSTIN S., US
[71] AEROGEL TECHNOLOGIES, LLC., US
[85] 2022-03-24
[86] 2020-10-09 (PCT/US2020/055036)
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[30] US (62/914,281) 2019-10-11

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[51] **Int.Cl. C12N 5/079 (2010.01) C12Q 1/6881 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MECHANICALLY STABLE AND HIGH CELL DENSITY HONEYCOMB RETINAL SCAFFOLD DESIGN FOR TRANSPLANTATION THERAPY OF PHOTORECEPTOR CELLS AND RETINAL PIGMENT EPITHELIUM**
[54] **CONCEPTION D'ECHAFAUDAGE RETINIEN EN NID D'ABEILLES A DENSITE CELLULAIRE ELEVEE ET MECANIQUEMENT STABLE POUR UNE THERAPIE DE TRANSPLANTATION DE CELLULES PHOTORECEPTRICES ET D'EPIT HELIUM PIGMENTAIRE RETINIEN**
[72] MA, ZHENQIANG, US
[72] LEE, INKYU, US
[72] LEE, JUHWAN, US
[72] PHILLIPS, MICHAEL, US
[72] GAMM, DAVID, US
[72] GONG, SHAOQIN, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[51] **Int.Cl. F42B 12/06 (2006.01)**
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[54] **PENETRATOR, USE OF A PENETRATOR, AND PROJECTILE**
[54] **PENETRATEUR, UTILISATION D'UN PENETRATEUR ET PROJECTILE**
[72] BERG, MARTIN, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2022-03-25
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[54] **DUAL-BLADE AGRICULTURAL GRINDER**
[54] **BROYEUR AGRICOLE A DOUBLE LAME**
[72] DUEWEKE, JASON, US
[71] SESH TECHNOLOGIES MANUFACTURING INC. D/B/A STM CANNA, US
[85] 2022-03-24
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[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING A LOCKING RING ON A CLOSURE CAP FOR A CONTAINER**
[54] **APPAREIL ET PROCEDE DE PRODUCTION D'UNE BAGUE DE VERROUILLAGE SUR UN BOUCHON DE FERMETURE POUR UN CONTENANT**
[72] FRIEDLI, PASCAL, CH
[71] PACKSYS GLOBAL AG, CH
[85] 2022-03-25
[86] 2020-09-23 (PCT/EP2020/076615)
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[51] **Int.Cl. A61F 13/20 (2006.01) B30B 9/28 (2006.01) B30B 15/02 (2006.01)**
[25] EN
[54] **TAMPON PRESS AND SHAPED TAMPON**
[54] **PRESSE A TAMPON ET TAMPON FACONNE**
[72] BUSCHHAUS, MIRKO, DE
[72] KIMBALL, DAVID L., US
[72] ROBBE, LIONEL, DE
[72] BROOKS, NICK, GB
[72] MORGAN, PETER, GB
[72] STEMBRIDGE, JAMES, GB
[71] JOHNSON & JOHNSON GMBH, DE
[85] 2022-03-25
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[87] (WO2021/058755)
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[54] **BIOARTIFICIAL PANCREAS**
[54] **PANCREAS BIOARTIFICIEL**
[72] PHOTIADIS, SARA JOAN, US
[72] PHOTIADIS, DOUGLAS MARC, US
[72] KRAMER, THOMAS A., US
[71] ISLA TECHNOLOGIES, INC., US
[85] 2022-03-24
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[25] EN
[54] **IMPROVED WIPES PROCESSING**
[54] **TRAITEMENT DE LINGETTES AMELIORE**
[72] GILLESPIE, RONALD, US
[72] PERKINS, THAD, US
[72] FABRY, TIM, US
[72] DOHNALIK, AL, US
[72] PIOTROWSKI, TOM, US
[72] EINAN, DAVID, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[51] **Int.Cl. G16H 40/40 (2018.01) A61M 5/142 (2006.01) A61M 5/172 (2006.01) A61M 5/20 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **INTERCONNECTION OF DRUG ADMINISTRATION SYSTEMS**
[54] **INTERCONNEXION DE SYSTEMES D'ADMINISTRATION DE MEDICAMENT**
[72] BAKOS, GREGORY J., US
[72] BARATTA, MICHAEL A., US
[72] DOU, YUEHENG, US
[72] HARRIS, JASON L., US
[72] HUBERT, EMMA LOUISE, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] PEREZ, DOLORES, US
[72] PHILLIPS, WHITNEY, US
[72] SHELTON IV, FREDERICK E., US
[72] YAN, HONG, US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[30] US (62/905,441) 2019-09-25
[30] US (62/905,442) 2019-09-25
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[51] **Int.Cl. A61M 60/873 (2021.01) A61B 5/00 (2006.01) A61B 5/0205 (2006.01) H04R 1/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING ULTRASONIC WAVES FOR WIRELESS POWERING AND COMMUNICATION OF A CARDIAC ASSIST DEVICE**
[54] **SYSTEMES ET PROCEDES D'UTILISATION D'ONDES ULTRASONORES POUR L'ALIMENTATION ET LA COMMUNICATION SANS FIL D'UN DISPOSITIF D'ASSISTANCE CARDIAQUE**
[72] MELODIA, TOMMASO, US
[72] JIMENEZ, JORGE, US
[72] DEMIRORS, EMRECAN, US
[71] BIONET SONAR, US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052620)
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[25] EN
[54] **DRUG DELIVERY ADJUSTMENT**
[54] **REGLAGE D'ADMINISTRATION DE MEDICAMENT**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] BARATTA, MICHAEL A., US
[72] CANNAMELA, MICHAEL, US
[72] DIUBALDI, ANTHONY R, US
[72] DOU, YUEHENG, US
[72] DREVETS, WAYNE, US
[72] FLEMING, JAMES A., US
[72] HARRIS, JASON L., US
[72] HOUSER, KEVIN L., US
[72] HUBERT, EMMA LOUISE, US
[72] HUTCHINSON, MICHAEL, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] LARSON, CHALEY JOHN, US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] LIU, KUI, US
[72] SHELTON IV, FREDERICK E., US
[72] SZABO, GEORGE, US
[72] VESOLE, STEVEN M., US
[72] WANG, JINGLI, US
[72] YAN, HONG, US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-03-24
[86] 2020-09-24 (PCT/IB2020/058967)
[87] (WO2021/059211)
[30] US (62/905,446) 2019-09-25
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[51] **Int.Cl. A61M 5/168 (2006.01) G16H 20/17 (2018.01) A61M 5/142 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **DRUG ADMINISTRATION SYSTEM CONFIGURED TO DETERMINE A DRUG DOSING SCHEME**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT CONFIGURE POUR DETERMINER UN SCHEMA POSOLOGIQUE**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] DIUBALDI, ANTHONY R, US
[72] HARRIS, JASON L., US
[72] HUTCHINSON, MICHAEL, US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] SHELTON IV, FREDERICK E., US
[72] SZABO, GEORGE, US
[72] VESOLE, STEVEN M., US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-03-24
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[30] US (62/905,463) 2019-09-25
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[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **A MULTILAYER COVER ELEMENT FOR SEALING CAPSULES FOR MAKING BEVERAGES**
[54] **ELEMENT DE COUVERCLE MULTICOUCHE POUR SCELLER DES CAPSULES POUR LA PREPARATION DE BOISSONS**
[72] GOGLIO, FRANCO, IT
[72] BOSETTI, OSVALDO, IT
[72] GALBASINI, ROBERTO, IT
[72] MACCAGNAN, ANDREA, IT
[71] GOGLIO S.P.A., IT
[85] 2022-03-24
[86] 2020-10-14 (PCT/IB2020/059648)
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[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 50/16 (2012.01) G06N 20/00 (2019.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **AUTOMATIC COMPUTER PRICE TRACKING, VALUATION, AND NEGOTIATION OPTIMIZATION**
[54] **SUIVI DE PRIX PAR CALCULATEUR AUTOMATIQUE, EVALUATION, ET OPTIMISATION DE NEGOCIATION**
[72] DU, DAWEI, US
[72] MITCHELL, DEBORAH, US
[72] FENG, YANCHAO, US
[72] GUO, YUANYUAN, US
[72] SKARDA, BRIAN, US
[71] CVENT, INC., US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052781)
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[30] US (62/905,755) 2019-09-25
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[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **HUNTINGTIN (HTT) IRNA AGENT COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'AGENTS A BASE D'ARNI CIBLANT LA HUNTINGTINE (HTT) ET LEURS PROCEDES D'UTILISATION**
[72] SOUNDARAPANDIAN, MANGALA MEENAKSHI, US
[72] MCININCH, JAMES D., US
[72] BOSTWICK, BRET LEE, US
[72] SCHLEGEL, MARK K., US
[72] CASTORENO, ADAM, US
[72] ZUBER, JEFFREY, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2022-03-24
[86] 2020-10-29 (PCT/US2020/057849)
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[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/27 (2006.01) A61K 8/35 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **FLUORIDE-FREE ANTICAVITY ORAL CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS BUCCO-DENTAIRES ANTI-CAVITE SANS FLUORURE**
[72] BAIG, ARIF ALI, US
[72] BAKER, TAMMY, US
[72] BIESBROCK, AARON REED, US
[72] ST. JOHN, SAMUEL JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-24
[86] 2020-09-30 (PCT/US2020/070598)
[87] (WO2021/067994)
[30] US (62/907,736) 2019-09-30
[30] US (62/907,733) 2019-09-30
[30] US (62/907,735) 2019-09-30
[30] US (62/943,940) 2019-12-05
[30] US (62/972,111) 2020-02-10
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[30] US (62/985,451) 2020-03-05
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[51] **Int.Cl. A61K 31/4375 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **PYRIDONE COMPOUNDS AND METHODS OF USE IN THE MODULATION OF A PROTEIN KINASE**
[54] **COMPOSES DE PYRIDONE ET PROCEDES D'UTILISATION DANS LA MODULATION D'UNE PROTEINE KINASE**
[72] BANNEN, LYNNE, US
[72] BUI, MINNA, US
[72] JIANG, FAMING, US
[72] MAUNG, JACK, US
[72] RAUB, ANDREW, US
[72] SALVANT, JUSTIN, US
[72] SPANGLER, BENJAMIN, US
[72] TSO, KIN, US
[72] WANG, YONG, US
[72] XU, WEI, US
[71] EXELIXIS, INC., US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052850)
[87] (WO2021/062245)
[30] US (62/906,647) 2019-09-26
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[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/27 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/44 (2006.01) A61K 36/185 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS WITH ANTICARIES ACTIVITY**
[54] **COMPOSITIONS DE SOINS BUCCODENTAIRES PRESENTANT UNE ACTIVITE ANTICARIES**
[72] ST. JOHN, SAMUEL JAMES, US
[72] BAIG, ARIF ALI, US
[72] BIESBROCK, AARON REED, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-24
[86] 2020-09-30 (PCT/US2020/070600)
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[30] US (62/907,733) 2019-09-30
[30] US (62/907,735) 2019-09-30
[30] US (62/907,736) 2019-09-30
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[51] **Int.Cl. A61F 2/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RESHAPING A HEART VENTRICLE**
[54] **SYSTEMES ET PROCEDES DE REMODELAGE DE VENTRICULE CARDIAQUE**
[72] SAMPSON, RUSSEL, US
[72] CLOSS, JEFFREY M., US
[71] ANCORA HEART, INC., US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052860)
[87] (WO2021/062254)
[30] US (62/906,524) 2019-09-26

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[51] **Int.Cl. A61F 13/20 (2006.01) B30B 9/28 (2006.01) B30B 11/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR FORMING A CATAMENIAL TAMPON**
[54] **APPAREIL POUR FORMER UN TAMPON CATAMENIAL**
[72] BROOKS, NICK, GB
[72] MORGAN, PETER, GB
[72] STEMBRIDGE, JAMES, GB
[72] WHALES, TREVOR, GB
[71] JOHNSON & JOHNSON GMBH, DE
[85] 2022-03-25
[86] 2020-09-25 (PCT/EP2020/076950)
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[30] US (62/907,190) 2019-09-27

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[51] **Int.Cl. A61K 31/4192 (2006.01) C07D 249/04 (2006.01) C07D 405/12 (2006.01) C07H 15/26 (2006.01)**
[25] EN
[54] **METHODS OF EVALUATING SMALL MOLECULE-MODIFIED POLYMERS IN COMPOSITIONS**
[54] **PROCEDES D'EVALUATION DE POLYMERES MODIFIES PAR DES PETITES MOLECULES DANS DES COMPOSITIONS**
[72] HEIDEBRECHT, RICHARD, US
[72] YIN, ZOE, US
[71] SIGILON THERAPEUTICS, INC., US
[85] 2022-03-24
[86] 2020-09-25 (PCT/US2020/052880)
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[30] US (62/907,400) 2019-09-27

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) C07K 14/725 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **SENESCENT CELL-ASSOCIATED ANTIGEN-BINDING DOMAINS, ANTIBODIES AND CHIMERIC ANTIGEN RECEPTORS COMPRISING THE SAME, AND USES THEREOF**
[54] **DOMAINES DE LIAISON A L'ANTIGENE ASSOCIES A DES CELLULES SENESCENTES, ANTICORPS ET RECEPTEURS ANTIGENIQUES CHIMERIQUES LES COMPRENANT, ET LEURS UTILISATIONS**
[72] OGRUNC, MUGE, FR
[72] MATHIEU, THIERRY, BE
[71] STARKAGE THERAPEUTICS, FR
[85] 2022-03-25
[86] 2020-09-25 (PCT/EP2020/076995)
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[51] **Int.Cl. G01T 7/00 (2006.01) G01V 5/00 (2006.01)**
[25] EN
[54] **A REFERENCE SYSTEM FOR WASTE CONTAINERS**
[54] **SYSTEME DE REFERENCE POUR CONTENEURS DE DECHETS**
[72] KAISER, RALF BERND, GB
[71] LYNKEOS TECHNOLOGY LIMITED, GB
[85] 2022-03-28
[86] 2019-10-03 (PCT/GB2019/052788)
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[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **A NUCLEIC ACID DELIVERY VECTOR COMPRISING A CIRCULAR SINGLE STRANDED POLYNUCLEOTIDE**
[54] **VECTEUR D'ADMINISTRATION D'ACIDE NUCLEIQUE COMPRENANT UN POLYNUCLEOTIDE MONOCATENAIRE CIRCULAIRE**
[72] ADIE, THOMAS, GB
[72] ROTHWELL, PAUL, GB
[72] GONZALEZ, MARIA BARREIRA, GB
[71] LIGHTBIO LIMITED, GB
[85] 2022-03-25
[86] 2020-09-28 (PCT/GB2020/052341)
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[30] GB (1913898.1) 2019-09-26

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[51] **Int.Cl. B22F 12/52 (2021.01) B33Y 40/00 (2020.01) B29C 64/153 (2017.01) B29C 64/307 (2017.01) B29C 64/329 (2017.01) B29C 64/357 (2017.01) B65D 83/06 (2006.01)**
[25] EN
[54] **A DOCKING ARRANGEMENT FOR AN ADDITIVE MANUFACTURING PROCESS**
[54] **AGENCEMENT D'ACCUEIL POUR APPAREIL DE FABRICATION ADDITIVE**
[72] HEALEY, CALLUM, GB
[71] LPW TECHNOLOGY LTD, GB
[85] 2022-03-25
[86] 2020-09-29 (PCT/GB2020/052355)
[87] (WO2021/064362)
[30] GB (1914249.6) 2019-10-02

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[51] **Int.Cl. B22F 12/52 (2021.01) B33Y 40/00 (2020.01) B29C 64/153 (2017.01) B29C 64/307 (2017.01) B29C 64/321 (2017.01) B29C 64/329 (2017.01) B29C 64/357 (2017.01) B65D 83/06 (2006.01) B65D 88/28 (2006.01) B65G 69/18 (2006.01) F16K 1/22 (2006.01) F16K 31/143 (2006.01) F16K 31/60 (2006.01)**
[25] EN
[54] **A DOCKING ARRANGEMENT FOR AN ADDITIVE MANUFACTURING PROCESS**
[54] **AGENCEMENT D'ACCUEIL POUR PROCEDE DE FABRICATION ADDITIVE**
[72] HEALEY, CALLUM, GB
[71] LPW TECHNOLOGY LTD, GB
[85] 2022-03-25
[86] 2020-09-29 (PCT/GB2020/052356)
[87] (WO2021/064363)
[30] GB (1914251.2) 2019-10-02

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[51] **Int.Cl. B22F 12/52 (2021.01) B33Y 40/00 (2020.01) B29C 64/255 (2017.01) B29C 64/259 (2017.01) B29C 64/307 (2017.01) B29C 64/357 (2017.01)**
[25] EN
[54] **A DOCKING ARRANGEMENT FOR AN ADDITIVE MANUFACTURING PROCESS**
[54] **AGENCEMENT D'ANCRAGE POUR UN PROCEDE DE FABRICATION ADDITIVE**
[72] HEALEY, CALLUM, GB
[71] LPW TECHNOLOGY LTD, GB
[85] 2022-03-25
[86] 2020-09-29 (PCT/GB2020/052357)
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[54] **CAPTURE DE MICRO-ORGANISME A PARTIR D'UNE SOLUTION CONTENANT UN AGENT ANTIMICROBIEN**
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[72] JAY, PAUL, GB
[72] LOCKHART, DANIEL, GB
[72] MULLEN, WILLIAM, GB
[71] MOMENTUM BIOSCIENCE LIMITED, GB
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[54] **COMPOSITES POLYMERES, PROCEDES DE FABRICATION ET UTILISATIONS ASSOCIES**
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[72] ZHANG, LEI, SG
[72] REN, HONGLIANG, SG
[72] SENTHIL KUMAR, KIRTHIKA, SG
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[54] **CONSTRUCTION DE VERROUILLAGE A ANGLE VARIABLE POUR APPLICATIONS ORTHOPEDIQUES**
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[72] RADZICKI, CHRISTOPHER, US
[71] TRILLIANT SURGICAL LLC, US
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[54] **GREFFONS VASCULAIRE ET AORTIQUE ET OUTILS DE DEPLOIEMENT**
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[72] LEE, PIN-HSUAN, US
[72] JEN, JIMMY, US
[71] AQUEDEON MEDICAL, INC., US
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[54] **COEUR ARTIFICIEL ELECTROMECANIQUE**
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[54] **SYSTEMES ET PROCEDES DE VERIFICATION D'ACTIFS**
[72] DAVIS, PHILIP GERALD, US
[72] SPRINGER, ROSS AARON, US
[72] WAGNER, DEVIN SCOTT, US
[72] FORD, JACOB SCOTT, US
[71] BNSF RAILWAY COMPANY, US
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[54] **SYSTEMES ET PROCEDES PERMETTANT DE REDUIRE LA VITESSE D'ENCRASSEMENT D'UN ECHANGEUR DE CHALEUR**
[72] PRICE, RALPH J., US
[72] LOWELL, JEFFREY S., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
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[54] **RECONFIGURABLE BED RACK SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PORTE-BAGAGE RECONFIGURABLE**
[72] FAUSTMANN, CHRISTOPHER, US
[72] HANSON, MARK, US
[71] OVERKILL MOTORSPORTS, INC., US
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[54] **NATTE DE FIBRES NON TISSE NON REVETU**
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[72] WU, JIANHUI, US
[72] MANN, AARON, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[54] **APPARATUS AND METHOD FOR PULSED MODE CHARGE DETECTION MASS SPECTROMETRY**
[54] **APPAREIL ET PROCEDE D'EXECUTION D'UNE SPECTROMETRIE DE MASSE A DETECTION DE CHARGE EN MODE PULSE**
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[72] TODD, AARON R., US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
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[54] **ENTREE THALAMIQUE SUR LE CORTEX ORBITOFRONTAL ENTRAINANT UNE INHIBITION CEREBRALE DEPENDANTE DE LA FREQUENCE, MEDIEE PAR LE GABA ET LA ZONA INCERTA**
[72] LEE, JIN HYUNG, US
[72] WEITZ, ANDREW J., US
[72] LEE, HYUN JOO, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **SYSTEME ET PROCEDES D'EVALUATION D'UN FLUX DE LIQUIDE ET D'AIR**
[72] STOROZHUK, OLEKSANDR, BE
[71] MATERIALISE N.V., BE
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[54] **REGULATION DE RECIRCULATION D'EAU CHAUFFEE**
[72] CHAUDHRY, RAHEEL A., US
[72] VEGA FERNANDEZ, DAVID I., US
[72] MCLEMORE, WILLIAM T., US
[71] RHEEM MANUFACTURING COMPANY, US
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[54] **PROCEDES DE TRAITEMENT DE LA MYELOFIBROSE ET D'AFFECTIONS ASSOCIEES**
[72] QUISEL, JOHN, US
[72] BECONI, MARIA, US
[72] ROBINETTE, STEVEN, US
[72] MACDONALD, BRIAN, US
[71] DISC MEDICINE, INC., US
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[54] **OPTICAL SWITCH CONTROLLABLE BY VERTICAL MOTION MEMS STRUCTURE**
[54] **COMMUTATEUR OPTIQUE POUVANT ETRE COMMANDE PAR UNE STRUCTURE MEMES A MOUVEMENT VERTICALE**
[72] MOEBIUS, MICHAEL GERHARD, US
[72] SPECTOR, STEVEN J., US
[72] COOK, EUGENE HIGHTOWER, US
[72] BERNSTEIN, JONATHAN J., US
[71] THE CHARLES STARK DRAPER LABORATORY, INC., US
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[54] **POLYTHERAPIE AVEC DES ANTAGONISTES DU CGRP**
[72] JAKATE, ABHIJEET, US
[72] PERICLOU, ANTONIA, US
[72] BOINPALLY, RAMESH, US
[71] ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, IE
[71] JAKATE, ABHIJEET, US
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[54] **THREE-DIMENSIONAL PRINTED ORGANS, DEVICES, AND MATRICES**
[54] **ORGANES, DISPOSITIFS ET MATRICES IMPRIMES TRIDIMENSIONNELS**
[72] MATHEU, MELANIE P., US
[71] PRELLIS BIOLOGICS, INC., US
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[54] **STORAGE TANK DEVICE CONFIGURED TO PREVENT ICE FORMATION**
[54] **DISPOSITIF DE RESERVOIR DE STOCKAGE CONCU POUR EMPECHER LA FORMATION DE GLACE**
[72] BROTHERS, JOHN G., US
[71] CUSTOM BIOGENIC SYSTEMS, INC., US
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[54] **MINIATURIZED INTRA-BODY CONTROLLABLE MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL INTRACORPOREL MINIATURISE CONTROLABLE**
[72] IYER, SANTOSH, US
[72] SHAFI, ADEEL SALEEM, US
[72] VELIS, CHRISTOPHER J., US
[71] MIRAKI INNOVATION THINK TANK LLC, US
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[54] **ROUE DENTEE**
[72] ZHOU, YONGJI, GB
[72] ZAMMIT, JOSEPH, GB
[72] CLARK, SEAN, GB
[72] THOMAS, BEN, GB
[72] SHARP, DAVID, GB
[72] ZHELYABOVSKIY, SERGEY, GB
[72] TURNER, KRIS, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **TETE DE CULASSE POUR ARME A FEU**
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[71] GLOCK TECHNOLOGY GMBH, AT
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[54] **PROCEDE D'OBTENTION D'UNE COMPOSITION D'HUILE DE LIGNINE A L'AIDE D'UN GAZ COMPRIME ET PROCEDE ASSISTE PAR ACIDE**
[72] BOOT, MICHAEL DIRK, NL
[72] KOURIS, PANAGIOTIS, NL
[72] HENSEN, EMIEL JAN MARIA, NL
[72] HUANG, XIAOMING, NL
[71] VERTORO B.V., NL
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[54] **COMPOSITIONS IMMUNOGENES**
[72] DEVOS, NATHALIE ISABELLE, BE
[72] SIJMONS, STEVEN CLEMENT, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **CIGARETTE SANS FUMEE**
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[72] WERNER, PETRA, DE
[71] OLIG AG, CH
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[54] **METHOD FOR PRODUCING PEPTIDE COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE PEPTIDIQUE**
[72] MORODOME, KEISUKE, JP
[72] HANDA, MICHIHARU, JP
[71] NISSAN CHEMICAL CORPORATION, JP
[71] PEPTIDREAM INC., JP
[85] 2022-03-25
[86] 2020-09-14 (PCT/JP2020/034686)
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[25] EN
[54] **CLEANING IN PLACE ROBOTIC NOZZLE SYSTEM**
[54] **NETTOYAGE EN PLACE D'UN SYSTEME ROBOTIQUE A BUSE**
[72] KNUDSEN, KARE, DK
[71] CIP-ROBOTICS, DK
[85] 2022-03-25
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[25] EN
[54] **ADDITIVE COMPOSITION FOR RUMINANT FEEDS**
[54] **COMPOSITION D'ADDITIF ALIMENTAIRE POUR RUMINANTS**
[72] TANAKA, MASAYUKI, JP
[72] SHIBAHARA, SUSUMU, JP
[71] AJINOMOTO CO., INC., JP
[85] 2022-03-25
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[25] EN
[54] **METHODS OF TREATING CANCER WITH A COMBINATION OF A PLATINUM-BASED AGENT AND AN ANTI-TISSUE FACTOR ANTIBODY-DRUG CONJUGATE**
[54] **METHODES DE TRAITEMENT DU CANCER AU MOYEN D'UNE COMBINAISON D'UN AGENT A BASE DE PLATINE ET D'UN CONJUGUE ANTICORPS ANTI-FACTEUR TISSULAIRE-MEDICAMENT**
[72] RANGWALA, RESHMA A., US
[72] BREIJ, ESTHER C. W., NL
[72] VERPLOEGEN, SANDRA, NL
[72] ABIDOYE, OYEWALE O., US
[72] NICACIO, LEONARDO V., US
[71] GENMAB A/S, DK
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[30] US (62/932,181) 2019-11-07

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[25] EN
[54] **INOSITOL PHOSPHATE COMPOUNDS FOR USE IN TREATING, INHIBITING THE PROGRESSION, OR PREVENTING CARDIOVASCULAR CALCIFICATION**
[54] **COMPOSES DE PHOSPHATE D'INOSITOL DESTINES A ETRE UTILISES DANS LE TRAITEMENT, L'INHIBITION DE LA PROGRESSION, OU LA PREVENTION DE LA CALCIFICATION CARDIOVASCULAIRE**
[72] PERELLO BESTARD, JOAN, ES
[72] SALCEDO ROCA, CAROLINA, ES
[72] FERRER REYNES, MIQUEL DAVID, ES
[71] SANIFIT THERAPEUTICS, S.A., ES
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[25] EN
[54] **METHOD OF DESIGNING CARBOHYDRATES**
[54] **PROCEDE DE CONCEPTION DE CARBOHYDRATES**
[72] LEWIS, NATHAN E., US
[72] CHIANG, WAN-TIEN, US
[72] LIANG, CHENGUANG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-25
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[30] US (62/937,932) 2019-11-20

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[54] **BINDER COMPOSITION AND METHOD COMPRISING MICROFIBRILLATED CELLULOSE AND RECYCLED CELLULOSIC MATERIALS**
[54] **COMPOSITION DE LIANT ET PROCEDE COMPRENANT DE LA CELLULOSE MICROFIBRILLAIRE ET DES MATERIAUX CELLULOSIQUES RECYCLES**
[72] IRELAND, SEAN, US
[72] SKUSE, DAVID, GB
[72] LARSON, THOMAS PHILLIP, GB
[72] YUN, JIN, GB
[71] FIBERLEAN TECHNOLOGIES LIMITED, GB
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[54] **HETEROBIFUNCTIONAL MONODISPERSED POLYETHYLENE GLYCOL HAVING PEPTIDE LINKER**
[54] **POLYETHYLENE GLYCOL MONODISPERSE HETEROBIFONCTIONNEL AYANT UN LIEUR PEPTIDIQUE**
[72] MATSUNO, YUKI, JP
[72] YOSHIOKA, HIROKI, JP
[72] SUZUKI, AKIRA, JP
[71] NOF CORPORATION, JP
[85] 2022-03-25
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[54] **GEL-CHEWABLE DOSAGE FORM**
[54] **FORME POSOLOGIQUE DE GEL A MACHER**
[72] DAVE, VIPUL, US
[72] PANDEY, ANURAG, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[54] **RECONSTRUCTION D'IMAGES DE PHASE PAR APPRENTISSAGE PROFOND**
[72] PALO, KAUPO, DE
[72] ALHAIMI, ABDULRAHMAN, CA
[71] PERKINELMER CELLULAR TECHNOLOGIES GERMANY GMBH, DE
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
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[54] **MEASURING PARAMETERS ASSOCIATED WITH DRUG ADMINISTRATION AND DRUG ADMINISTRATION DEVICES INCORPORATING SAME**
[54] **MESURE DE PARAMETRES ASSOCIES A UNE ADMINISTRATION DE MEDICAMENT ET DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT LA COMPRENANT**
[72] ALBERTINI, FRANCESCO N., US
[72] BAKOS, GREGORY J., US
[72] DIUBALDI, ANTHONY R., US
[72] HARRIS, JASON L., US
[72] HUBERT, EMMA LOUISE, US
[72] HUTCHINSON, MICHAEL, US
[72] KALIKHMAN, DAVID, US
[72] KAPIL, MONICA A., US
[72] KRULEVITCH, PETER, US
[72] LEQUIEU, WOUTER JACQUES NOEL, BE
[72] SHELTON, IV, FREDERICK E., US
[72] SINGH, JASKARAN, US
[72] SZABO, GEORGE, US
[72] VESOLE, STEVEN M., US
[72] WANG, JINGLI, US
[71] JANSSEN PHARMACEUTICALS, INC., US
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[25] EN
[54] **LIPID NANOPARTICLE LYOPHILIZED COMPOSITION**
[54] **COMPOSITION LYOPHILISEE DE NANOPARTICULES LIPIDIQUES**
[72] TANGE, KOTA, JP
[72] NAKAI, YUTA, JP
[72] TAMAGAWA, SHINYA, JP
[72] TANEICHI, SAKURA, JP
[72] AKITA, HIDETAKA, JP
[72] TANAKA, HIROKI, JP
[72] SHIRANE, DAIKI, JP
[72] HAGIWARA, SHINYA, JP
[71] NOF CORPORATION, JP
[71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP
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[86] 2020-09-25 (PCT/JP2020/036196)
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[54] **TREATMENT OF CELIAC DISEASE**
[54] **TRAITEMENT DE LA MALADIE C□LIAQUE**
[72] STEIDLER, LOTHAR, BE
[72] VAN HUYNEGEM, KAROLIEN, BE
[71] INTREXON ACTOBIOTICS NV D/B/A PRECIGEN ACTOBIO, BE
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[86] 2020-09-25 (PCT/IB2020/059013)
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[54] **DISPOSITIF DE SUIVI POUR INSTRUMENT CHIRURGICAL**
[72] GHANAM, FADI, DE
[72] WALEN, JAMES G., US
[72] LAMBARTH, CLIFFORD EDWIN, US
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2022-03-25
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[25] EN
[54] **DEGRADABLE MULTI-ARM POLYETHYLENE GLYCOL DERIVATIVE**
[54] **DERIVE DEGRADABLE DE POLYETHYLENE GLYCOL A BRANCHES MULTIPLES**
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[72] HAMURA, KEN, JP
[72] OSAKAMA, KAZUKI, JP
[72] NISHIYAMA, NOBUHIRO, JP
[71] NOF CORPORATION, JP
[71] TOKYO INSTITUTE OF TECHNOLOGY, JP
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[25] EN
[54] **SYSTEM AND METHOD FOR ESTIMATING BOTH THICKNESS AND WEAR STATE OF REFRACTORY MATERIAL OF A METALLURGICAL FURNACE**
[54] **SYSTEME ET PROCEDE D'ESTIMATION A LA FOIS DE L'EPAISSEUR ET DE L'ETAT D'USURE D'UN MATERIAU REFRACTAIRE D'UN FOUR METALLURGIQUE**
[72] GOMEZ GARCIA, PABLO, ES
[72] FERNANDEZ ALVAREZ, JOSE PAULINO, ES
[72] BAQUET GONZALEZ, IGNACIO, ES
[72] SIMARO, JOSE TOMAS, ES
[72] HERRERO BLANCO, IGNACIO, ES
[72] FERNANDEZ DIEGUEZ, ENOL, ES
[72] SUAREZ LAZARE, CARLOS JAVIER, ES
[71] ARCELORMITTAL, LU
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[54] **APPAREILS, PROCEDES ET SYSTEMES MULTI-CHARGE DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] SMITH, IAN CHARLES, US
[71] SAVANT SYSTEMS, INC., US
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[25] EN
[54] **SELF-SIZING DEVICE FOR DELIVERING A FORMULATION TO A LUMEN WALL**
[54] **DISPOSITIF AUTO-DIMENSIONNANT POUR DELIVRER UNE FORMULATION A LA PAROI D'UNE LUMIERE**
[72] IMRAN, MIR, US
[71] RANI THERAPEUTICS, LLC, US
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[25] EN
[54] **A METHOD FOR RECYCLING AN AEROSOL GENERATING ARTICLE**
[54] **PROCEDE DE RECYCLAGE D'ARTICLE DE GENERATION D'AEROSOL**
[72] WRIGHT, ALEC, GB
[71] JT INTERNATIONAL SA, CH
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[86] 2020-10-08 (PCT/EP2020/078347)
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[25] EN
[54] **A CATHETER DEVICE COMPRISING A LEVERING MEMBER**
[54] **DISPOSITIF DE CATHETER COMPRENANT UN ELEMENT DE LEVIER**
[72] JONSSON, OVE, SE
[71] ANESTEASY AB, SE
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[86] 2020-10-09 (PCT/EP2020/078356)
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[51] **Int.Cl. A61M 25/06 (2006.01)**
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[54] **INTRAVASCULAR CATHETER DEVICE**
[54] **DISPOSITIF DE CATHETER INTRAVASCULAIRE**
[72] JONSSON, OVE, SE
[71] ANESTEASY AB, SE
[85] 2022-03-28
[86] 2020-10-09 (PCT/EP2020/078365)
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[54] **USE OF ESCULENTIN AND ITS DERIVATIVES FOR USE IN THE TREATMENT OF CYSTIC FIBROSIS**
[54] **UTILISATION D'ESCULENTINE ET DE SES DERIVES POUR UNE UTILISATION DANS LE TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] MANGONI, MARIA LUISA, IT
[72] FERRERA, LORETTA, IT
[71] UNIVERSITA DEGLI STUDI DI ROMA "LA SAPIENZA", IT
[71] FONDAZIONE PER LA RICERCA SULLA FIBROSI CISTICA - ONLUS, IT
[71] ISTITUTO GIANNINA GASLINI, IT
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[54] **CONTENEUR DE TRANSPORT DE BETAIL**
[72] KLOEPFER, MICHAEL, CA
[72] COHOE, DAN, CA
[72] BRACEWELL, BRYAN MORRIS, CA
[72] MAERTENS, ANDREW JOSEPH, CA
[71] TITAN TRAILERS INC., CA
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[54] **ROCK HARDNESS MEASUREMENT**
[54] **MESURE DE DURETE DE ROCHE**
[72] NADOLSKI, STEFAN, CA
[71] MINPRAXIS SOLUTIONS LTD., CA
[85] 2022-03-28
[86] 2020-10-02 (PCT/CA2020/051327)
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[25] EN
[54] **ASYMMETRICALLY BRANCHED DEGRADABLE POLYETHYLENE GLYCOL DERIVATIVE**
[54] **DERIVE DE POLYETHYLENE GLYCOL RAMIFIE ASYMETRIQUEMENT, DEGRADABLE**
[72] HAMURA, KEN, JP
[72] YOSHIOKA, HIROKI, JP
[72] OSAKAMA, KAZUKI, JP
[72] NISHIYAMA, NOBUHIRO, JP
[71] NOF CORPORATION, JP
[71] TOKYO INSTITUTE OF TECHNOLOGY, JP
[85] 2022-03-25
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[25] EN
[54] **A BUILDING PANEL AND A METHOD TO PRODUCE SUCH A BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION ET PROCEDE DE PRODUCTION D'UN TEL PANNEAU DE CONSTRUCTION**
[72] RITTINGE, RICKARD, SE
[72] NILSSON, SOFIA, SE
[72] NILSSON, MAGNUS, SE
[72] NILSSON, FREDRIK, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-28
[86] 2020-10-16 (PCT/SE2020/050990)
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[30] SE (1930331-2) 2019-10-18
[30] SE (1951411-6) 2019-12-06

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[51] **Int.Cl. H04W 72/04 (2009.01)**
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[54] **COMMUNICATION METHOD AND COMMUNICATIONS APPARATUS**
[54] **METHODE ET APPAREIL DE COMMUNICATION**
[72] TIE, XIAOLEI, CN
[72] XUE, LIXIA, CN
[72] HUANG, WENWEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-28
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[25] EN
[54] **A BUILDING PANEL AND A METHOD TO PRODUCE SUCH A BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION ET SON PROCEDE DE FABRICATION**
[72] RITTINGE, RICKARD, SE
[72] NILSSON, SOFIA, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-28
[86] 2020-10-16 (PCT/SE2020/050991)
[87] (WO2021/076041)
[30] SE (1930333-8) 2019-10-18
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[25] EN
[54] **2-ISOINDOL-1,3,4-OXADIAZOLE DERIVATIVES USEFUL AS HDAC6 INHIBITORS**
[54] **DERIVES DE 2-ISOINDOL-1,3,4-OXADIAZOLE UTILES EN TANT QU'INHIBITEURS DE HDAC6**
[72] ITO, MASAHIRO, JP
[72] SUGIYAMA, HIDEYUKI, JP
[72] YAMAMOTO, TAKESHI, JP
[72] KAKEGAWA, KEIKO, JP
[72] LI, JINXING, JP
[72] WANG, JUNSI, JP
[72] KASAHARA, TAKAHITO, JP
[72] YOSHIKAWA, MASATO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[30] JP (2019-177815) 2019-09-27

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[13] A1
[51] **Int.Cl. G11C 19/28 (2006.01) G06F 15/78 (2006.01)**
[25] EN
[54] **LEAKAGE COMPENSATION DYNAMIC REGISTER, DATA OPERATION UNIT, CHIP, HASH BOARD, AND COMPUTING APPARATUS**
[54] **REGISTRE DYNAMIQUE DE COMPENSATION DE FUITE, UNITE D'EXPLOITATION DE DONNEES, PUCE, TABLEAU DE HACHAGE ET APPAREIL DE CALCUL MATIQUE**
[72] ZHANG, JIAN, CN
[72] ZHANG, NANGENG, CN
[72] BAO, JINHUA, CN
[72] LIU, JIEYAO, CN
[72] WU, JINGJIE, CN
[72] MA, SHENGHOU, CN
[71] HANGZHOU CANAAN INTELLIGENCE INFORMATION TECHNOLOGY CO, LTD, CN
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[51] **Int.Cl. B30B 5/06 (2006.01) B27N 3/06 (2006.01) B27N 3/24 (2006.01) B27N 3/26 (2006.01) E04F 13/00 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **A CONTINUOUS PRESS ARRANGEMENT FOR MANUFACTURE OF BUILDING PANELS**
[54] **AGENCEMENT DE PRESSE CONTINUE POUR LA FABRICATION DE PANNEAUX DE CONSTRUCTION**
[72] PERSSON, HANS, SE
[72] PERVAN, DARKO, SE
[72] NILSSON, MAGNUS, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-28
[86] 2020-10-19 (PCT/SE2020/050998)
[87] (WO2021/076046)
[30] SE (1930334-6) 2019-10-18

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[13] A1
[51] **Int.Cl. B23K 35/22 (2006.01) B23K 35/26 (2006.01) C22C 13/00 (2006.01) C22C 13/02 (2006.01)**
[25] EN
[54] **SOLDER ALLOY, SOLDER PASTE, SOLDER BALL, SOLDER PREFORM, SOLDER JOINT, IN-VEHICLE ELECTRONIC CIRCUIT, ECU ELECTRONIC CIRCUIT, IN-VEHICLE ELECTRONIC CIRCUIT DEVICE AND ECU ELECTRONIC CIRCUIT DEVICE**
[54] **ALLIAGE DE BRASAGE, PATE A BRASER, BOSSAGE, PREFORME A BRASER, JOINT BRASE, CIRCUIT ELECTRONIQUE EMBARQUE, CIRCUIT ELECTRONIQUE D'UNITE DE CONTROLE ELECTRONIQUE, DISPOSITIF DE CIR CUIT ELECTRONIQUE EMBARQUE ET DISPOSITIF DE CIRCUIT ELECTRONIQUE D'UNITE DE CONTROLE ELECTRONIQUE**
[72] YOSHIKAWA, SHUNSAKU, JP
[72] SAITO, TAKASHI, JP
[72] IIJIMA, YUUKI, JP
[72] DEI, KANTA, JP
[72] MATSUFUJI, TAKAHIRO, JP
[71] SENJU METAL INDUSTRY CO., LTD., JP
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[86] 2021-06-22 (PCT/JP2021/023598)
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[30] JP (2020-107816) 2020-06-23

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[51] **Int.Cl. G06F 16/22 (2019.01)**
[25] EN
[54] **METHOD OF SEPARATELY STORING DATA, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE POUR STOCKER DES DONNEES SEPAREMENT, DISPOSITIF, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] YANG, NIANLEI, CN
[72] YE, GUOHUA, CN
[72] SI, XIAOBO, CN
[72] YANG, YING, CN
[72] LI, YUELONG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-28
[86] 2020-07-30 (PCT/CN2020/105962)
[87] (WO2021/057253)
[30] CN (201910924306.9) 2019-09-27

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[13] A1
[51] **Int.Cl. C07D 207/34 (2006.01) A61K 31/40 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF CAPSID PROTEIN ASSEMBLY INHIBITOR CONTAINING N HETERO FIVE-MEMBERED RING, AND APPLICATION THEREOF**
[54] **FORME CRISTALLINE D'UN INHIBITEUR DE L'ASSEMBLAGE DE LA PROTEINE DE CAPSIDE COMPORTANT UN CYCLE A CINQ CHAINONS AVEC N COMME HETEROATOME, ET SON APPLICATION**
[72] LU, YIN, CN
[72] GUO, MENG, CN
[72] HU, MINGTONG, CN
[72] LI, YUAN, CN
[72] AO, WANGWEI, CN
[72] ZHANG, YINSHENG, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2022-03-28
[86] 2020-09-28 (PCT/CN2020/118427)
[87] (WO2021/058002)
[30] CN (201910934549.0) 2019-09-29

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[13] A1
[51] **Int.Cl. H04N 19/60 (2014.01) H04N 19/132 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE ENCODING/DECODING METHOD AND APPARATUS FOR SIGNALING RESIDUAL CODING METHOD USED FOR ENCODING BLOCK TO WHICH BDPCM IS APPLIED, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE DE SIGNALISATION D'UN PROCEDE DE CODAGE RESIDUEL UTILISE POUR CODER UN BLOC AUQUEL UNE BDPCM EST APPLIQUEE, ET PROCEDE DE TRANSMISSI ON DE FLUX BINAIRE**
[72] JANG, HYEONG MOON, KR
[72] CHOI, JUNGAH, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-03-25
[86] 2020-09-25 (PCT/KR2020/013150)
[87] (WO2021/060940)
[30] US (62/905,400) 2019-09-25

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[13] A1
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[25] EN
[54] **MLL1 INHIBITORS AND ANTI-CANCER AGENTS**
[54] **INHIBITEURS DE MLL1 ET AGENTS ANTICANCEREUX**
[72] GAO, ZHENTING, CN
[72] GUO, HAIBING, CN
[72] LI, MING, CN
[72] LIU, KEVIN KUN CHIN, CN
[72] LU, CHUNLIANG, CN
[72] SUN, ZHUMING, CN
[72] ZHU, YIHUI, US
[71] NOVARTIS AG, CH
[85] 2022-03-28
[86] 2021-05-27 (PCT/CN2021/096539)
[87] (WO2021/239077)
[30] CN (PCT/CN2020/092801) 2020-05-28

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[25] EN
[54] **SOLAR POWER GENERATORS**
[54] **GENERATEURS D'ENERGIE SOLAIRE**
[72] AUDET, YVES, CA
[71] POLYVALOR, LIMITED PARTNERSHIP, CA
[85] 2022-03-28
[86] 2020-09-28 (PCT/CA2020/051290)
[87] (WO2021/062525)
[30] US (62/907,986) 2019-09-30

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[13] A1
[51] **Int.Cl. G01R 23/16 (2006.01)**
[25] EN
[54] **SIGNAL ANALYSIS DEVICE, CONTROL CIRCUIT, AND STORAGE MEDIUM**
[54] **DISPOSITIF D'ANALYSE DE SIGNAL, CIRCUIT DE COMMANDE ET SUPPORT DE STOCKAGE**
[72] AKIYAMA, YUJI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2022-03-28
[86] 2019-12-11 (PCT/JP2019/048529)
[87] (WO2021/117168)

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[51] **Int.Cl. H04N 5/225 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **CAMERA MODULE AND ELECTRONIC DEVICE**
[54] **MODULE DE PHOTOGRAPHIE ET DISPOSITIF ELECTRONIQUE**
[72] LU, LIANPENG, CN
[72] CHENG, DONGCUN, CN
[72] JING, HAO, CN
[72] NIU, ZHIHAO, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2022-03-29
[86] 2020-09-24 (PCT/CN2020/117524)
[87] (WO2021/063246)
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[51] **Int.Cl. B41J 3/36 (2006.01) B41J 15/04 (2006.01) B41J 17/32 (2006.01) B65H 19/12 (2006.01)**
[25] EN
[54] **PRINTING APPARATUS AND PRINT CASSETTE**
[54] **APPAREIL D'IMPRESSION ET CASSETTE D'IMPRESSION**
[72] MURAYAMA, KENTARO, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2022-03-28
[86] 2020-09-15 (PCT/JP2020/034864)
[87] (WO2021/065465)
[30] JP (2019-178912) 2019-09-30

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[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **BINDING MOLECULE SPECIFIC FOR LIF AND USE THEREOF**
[54] **MOLECULE DE LIAISON SPECIFIQUE DE LIF ET SON UTILISATION**
[72] LIU, QINGHAO, CN
[72] TAO, JUN, CN
[72] ZHOU, WENLAI, CN
[72] HE, SHANSHAN, CN
[72] YANG, HAIYAN, CN
[72] WANG, HONGLING, CN
[72] YANG, GUIQUN, CN
[71] JACOBIO PHARMACEUTICALS CO., LTD., CN
[85] 2022-03-29
[86] 2020-09-28 (PCT/CN2020/118247)
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[30] CN (PCT/CN2019/108904) 2019-09-29
[30] CN (PCT/CN2020/077049) 2020-02-27

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[51] **Int.Cl. G16B 50/00 (2019.01) G16B 50/30 (2019.01) G16B 30/20 (2019.01)**
[25] EN
[54] **BIOCOMPATIBLE NUCLEIC ACIDS FOR DIGITAL DATA STORAGE**
[54] **ACIDES NUCLEIQUES BIOCOMPATIBLES POUR LE STOCKAGE DE DONNEES NUMERIQUES**
[72] LEMAIRE, STEPHANE, FR
[72] CROZET, PIERRE, FR
[72] XU, ZHOU, FR
[72] MAES, ALEXANDRE, FR
[72] LE PEILLET, JEANNE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] SORBONNE UNIVERSITE, FR
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[86] 2020-10-01 (PCT/EP2020/077497)
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[25] EN
[54] **HETEROARYL-SUBSTITUTED PYRAZINE DERIVATIVES AS PESTICIDES**
[54] **DERIVES DE PYRAZINE A SUBSTITUTION HETEROARYLE UTILISES EN TANT QUE PESTICIDES**
[72] TURBERG, ANDREAS, DE
[72] HEISLER, IRING, DE
[72] TELSER, JOACHIM, DE
[72] ARLT, ALEXANDER, DE
[72] JESCHKE, PETER, DE
[72] SCHWARZ, HANS-GEORG, DE
[72] FUSSLEIN, MARTIN, DE
[72] CANCHO-GRANDE, YOLANDA, DE
[72] LOESEL, PETER, DE
[72] EBBINGHAUS-KINTSCHER, ULRICH, DE
[72] O'DOWD, BING ASHLEY LIANG, DE
[72] DAMIJONAITIS, ARUNAS, DE
[72] MULLER, STEFFEN, DE
[72] MA, JIAKANG, CN
[71] BAYER ANIMAL HEALTH GMBH, DE
[85] 2022-03-29
[86] 2020-10-08 (PCT/EP2020/078261)
[87] (WO2021/069575)
[30] CN (PCT/CN2019/110528) 2019-10-11
[30] EP (20173955.4) 2020-05-11

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[51] **Int.Cl. B41J 3/36 (2006.01) B41J 11/00 (2006.01) B41J 15/04 (2006.01) B41J 17/32 (2006.01)**
[25] EN
[54] **PRINT CASSETTE**
[54] **CASSETTE D'IMPRESSION**
[72] HIGASHI, KOSUKE, JP
[72] MURAYAMA, KENTARO, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2022-03-28
[86] 2020-09-15 (PCT/JP2020/034874)
[87] (WO2021/065474)
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[51] **Int.Cl. A01K 15/02 (2006.01) A01K 1/03 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **APPARATUS AND SYSTEM FOR TESTING RODENTS' COGNITIVE ABILITY**
[54] **APPAREIL ET SYSTEME DE TEST DE LA CAPACITE COGNITIVE DE RONGEURS**
[72] ROMAN, FRANCOIS SILVIO PAUL HUBERT, FR
[72] ESCOFFIER, GUY PIERRE ROGER, FR
[71] UNIVERSITE D'AIX MARSEILLE (AMU), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2022-03-28
[86] 2020-10-22 (PCT/EP2020/079758)
[87] (WO2021/078865)
[30] EP (19306368.2) 2019-10-22

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[13] A1
[51] **Int.Cl. H01M 50/20 (2021.01) H01M 10/42 (2006.01)**
[25] EN
[54] **BATTERY PACK, ELECTRIC TOOL SYSTEM, AND CHARGING SYSTEM**
[54] **BLOC-BATTERIE, SYSTEME D'OUTIL ELECTRIQUE ET SYSTEME DE CHARGE**
[72] YANG, DONG, CN
[72] DONG, ZHIJUN, CN
[72] HU, GUIWU, CN
[72] YANG, DEZHONG, CN
[72] XU, TIANXIAO, CN
[72] WANG, HUAISHU, CN
[71] NANJING CHERVON INDUSTRY CO., LTD., CN
[85] 2022-03-29
[86] 2021-09-24 (PCT/CN2021/120244)
[87] (WO2022/068690)
[30] CN (202011061730.4) 2020-09-30
[30] CN (202011061751.6) 2020-09-30
[30] CN (202011057097.1) 2020-09-30
[30] CN (202011057089.7) 2020-09-30
[30] CN (202011057113.7) 2020-09-30
[30] CN (202011061729.1) 2020-09-30

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[51] **Int.Cl. C12N 15/63 (2006.01)**
[25] EN
[54] **POLYAMINE ANALOG PRODUCING YEASTS**
[54] **LEVURES PRODUISANT DES ANALOGUES DE POLYAMINE**
[72] QIN, JIUFU, DK
[72] NIELSEN, JENS, DK
[71] CHRYSEA LIMITED, IE
[85] 2022-03-28
[86] 2020-10-27 (PCT/EP2020/080137)
[87] (WO2021/083869)
[30] SE (1951231-8) 2019-10-28

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[51] **Int.Cl. A47C 7/72 (2006.01) H04R 1/02 (2006.01) H04R 1/32 (2006.01) H04S 1/00 (2006.01)**
[25] EN
[54] **CHAIR MEMBER PROVIDED WITH MULTI-CHANNEL SOUND SYSTEM AND CHAIR COMPRISING SAME**
[54] **ELEMENT DE CHAISE POURVU D'UN SYSTEME SONORE MULTICANAL ET CHAISE LE COMPRENANT**
[72] PARK, JEA BUM, KR
[71] TROUND INC., KR
[85] 2022-03-28
[86] 2020-06-24 (PCT/KR2020/008213)
[87] (WO2021/085790)
[30] KR (10-2019-0136009) 2019-10-30
[30] KR (10-2020-0003644) 2020-01-10

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[51] **Int.Cl. C07K 16/22 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **PD1 AND VEGFR2 DUAL-BINDING AGENTS**
[54] **AGENTS LIANTS DOUBLES PD1 ET VEGFR2**
[72] FINLAY, WILLIAM JAMES JONATHAN, GB
[71] ULTRAHUMAN EIGHT LIMITED, GB
[85] 2022-03-29
[86] 2020-10-09 (PCT/EP2020/078427)
[87] (WO2021/069670)
[30] GB (1914747.9) 2019-10-11
[30] GB (2013180.1) 2020-08-24

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01)**
[25] EN
[54] **POLYAMINE CONJUGATE PRODUCING YEASTS**
[54] **LEVURES PRODUISANT UN CONJUGUE DE POLYAMINE**
[72] QIN, JIUFU, DK
[72] NIELSEN, JENS, DK
[71] CHRYSEA LIMITED, IE
[85] 2022-03-28
[86] 2020-10-27 (PCT/EP2020/080140)
[87] (WO2021/083870)
[30] SE (1951232-6) 2019-10-28

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[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01) B60C 23/20 (2006.01)**
[25] EN
[54] **MONITORING DEVICE FOR A VEHICLE, WARNING DEVICE FOR A VEHICLE, WARNING SYSTEM AND METHOD FOR OPERATING A MONITORING DEVICE**
[54] **APPAREIL DE SURVEILLANCE POUR UN VEHICULE A MOTEUR, DISPOSITIF D'AVERTISSEMENT POUR UN VEHICULE, SYSTEME D'AVERTISSEMENT ET PROCEDE POUR FAIRE FONCTIONNER UN APPAREIL DE SURVEILLA NCE**
[72] SCHROEDEL, HELMUT, DE
[72] LARSEN, DAVID, WAYNE, DE
[72] CICCHINI, MERCURIO, DE
[71] SCHROEDEL, HELMUT, DE
[85] 2022-03-29
[86] 2020-09-17 (PCT/EP2020/000160)
[87] (WO2021/063533)
[30] DE (10 2019 006 859.9) 2019-10-01
[30] DE (10 2020 004 720.3) 2020-08-04

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[51] **Int.Cl. A61K 31/4162 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **RADIOLABELLED MGL PET LIGANDS**
[54] **LIGANDS MGL PET RADIOMARQUES**
[72] CHEN, GANG, US
[72] HUANG, CHAOFENG, US
[72] LIANG, JIMMY T., US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-03-28
[86] 2020-09-29 (PCT/IB2020/059099)
[87] (WO2021/064569)
[30] US (62/907,852) 2019-09-30

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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 21/32 (2013.01) G06K 9/00 (2022.01) H04W 12/02 (2009.01) G06F 11/30 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANONYMOUSLY TRACKING AND/OR ANALYSING INDIVIDUALS BASED ON BIOMETRIC DATA**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE SUIVRE ET/OU D'ANALYSER DE MANIERE ANONYME DES INDIVIDUS SUR LA BASE DE DONNEES BIOMETRIQUES**
[72] KABERG JOHARD, LEONARD, RU
[71] INDIVD AB, SE
[85] 2022-03-28
[86] 2020-08-06 (PCT/SE2020/050767)
[87] (WO2021/066694)
[30] SE (1900160-1) 2019-10-04

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[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/0507 (2021.01) A61B 5/00 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE NON-INVASIVE DETERMINATION OF ANALYTES**
[54] **DISPOSITIF ET PROCEDE DE DETERMINATION NON INVASIVE D'ANALYTES**
[72] EBERT, DIETER, CH
[72] KLEIN, ROLF-DIETER, DE
[71] INSPIRITY AG, CH
[85] 2022-03-29
[86] 2020-09-17 (PCT/EP2020/076022)
[87] (WO2021/063695)
[30] EP (19200618.7) 2019-09-30

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[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **FUEL DISPENSING TERMINAL AND PROXY SYSTEM AND METHOD WITH REDUNDANCY**
[54] **TERMINAL DE DISTRIBUTION DE CARBURANT ET SYSTEME MANDATAIRE ET PROCEDE AVEC REDONDANCE**
[72] CHAU, WUNCHUN, US
[71] CHAU, WUNCHUN, US
[85] 2022-03-28
[86] 2020-09-28 (PCT/US2020/053099)
[87] (WO2021/062376)
[30] US (62/907,331) 2019-09-27

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/05 (2021.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **NON-INVASIVE DETERMINATION OF GLUCOSE**
[54] **DETERMINATION NON INVASIVE DU GLUCOSE**
[72] EBERT, DIETER, CH
[72] KLEIN, ROLF-DIETER, DE
[71] GLUCO TERA TECH AG, CH
[85] 2022-03-29
[86] 2020-09-17 (PCT/EP2020/076023)
[87] (WO2021/063696)
[30] EP (19200618.7) 2019-09-30

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[13] A1
[51] **Int.Cl. E04C 2/10 (2006.01) B32B 21/14 (2006.01) E04F 13/00 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **WOOD FIBRE BASED PANEL AND A METHOD FOR OBTAINING SUCH PANEL**
[54] **PANNEAU A BASE DE FIBRES DE BOIS ET PROCEDE POUR OBTENIR UN TEL PANNEAU**
[72] RITTINGE, RICKARD, SE
[72] NILSSON, SOFIA, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-28
[86] 2020-10-19 (PCT/SE2020/050999)
[87] (WO2021/076047)
[30] SE (1930330-4) 2019-10-18

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[13] A1
[51] **Int.Cl. G16B 30/10 (2019.01) G16B 30/20 (2019.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR THE EFFICIENT IDENTIFICATION AND EXTRACTION OF SEQUENCE PATHS IN GENOME GRAPHS**
[54] **SYSTEME ET PROCEDES D'IDENTIFICATION ET D'EXTRACTION EFFICACES DE TRAJETS DE SEQUENCE DANS DES GRAPHES DE GENOME**
[72] CHEUNG, YEE HIM, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-03-29
[86] 2020-09-29 (PCT/EP2020/077158)
[87] (WO2021/063904)
[30] US (62/908,627) 2019-10-01

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[13] A1
[51] **Int.Cl. A01H 1/02 (2006.01) A01H 6/00 (2018.01) A01H 6/54 (2018.01) A01G 7/06 (2006.01) A01H 1/04 (2006.01) A01H 5/02 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **CROSS POLLINATION THROUGH LIQUID-MEDIATED DELIVERY OF POLLEN TO ENCLOSED STIGMAS OF FLOWERS FROM RECIPIENT PLANTS**
[54] **POLLINISATION CROISEE PAR ADMINISTRATION MEDIEE PAR UN LIQUIDE DE POLLEN A DES STIGMATES CLOS DE FLEURS PROVENANT DE PLANTES RECEVEUSES**
[72] LARUE, HUACHUN WANG, US
[72] LIN, LI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-03-28
[86] 2019-10-01 (PCT/US2019/054076)
[87] (WO2021/066813)

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[13] A1
[51] **Int.Cl. B29C 64/10 (2017.01) B33Y 80/00 (2015.01) A61F 2/82 (2013.01)**
[25] EN
[54] **IMPLANTABLE FLUID CONDUIT**
[54] **CONDUIT DE FLUIDE IMPLANTABLE**
[72] MULLON, CLAUDY J., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-28
[86] 2020-08-26 (PCT/US2020/047931)
[87] (WO2021/076235)
[30] US (16/600,799) 2019-10-14

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01)**
[25] EN
[54] **INTRANASAL PHARMACEUTICAL COMPOSITIONS OF CYCLOBENZAPRINE**
[54] **COMPOSITIONS PHARMACEUTIQUES INTRANASALES DE CYCLOBENZAPRINE**
[72] MUTHAIYYAN, KANNAN ESSAKIMUTHU, IN
[72] LADDHA, RITU NITIN, IN
[72] PAWAR, HARISH SHANKAR, IN
[72] PATEL, SHAILESH ARVINDBHAI, IN
[72] KOTHARI, JAY SHANTILAL, US
[71] CADILA HEALTHCARE LIMITED, IN
[85] 2022-03-28
[86] 2020-09-30 (PCT/IB2020/059144)
[87] (WO2021/064589)
[30] IN (201921039492) 2019-09-30

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[13] A1
[51] **Int.Cl. H04R 3/00 (2006.01)**
[25] EN
[54] **AUDIO DEVICE**
[54] **DISPOSITIF AUDIO**
[72] YAN, BINGYAN, CN
[72] LIAO, FENGYUN, CN
[72] QI, XIN, CN
[71] SHENZHEN SHOKZ CO., LTD., CN
[85] 2022-03-29
[86] 2019-10-10 (PCT/CN2019/110430)
[87] (WO2021/068167)

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[25] EN
[54] **HERBICIDE COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES**
[72] FABRI, CARLOS EDUARDO, MU
[72] PEREIRA, RAFAEL HENRIQ, MU
[72] SILVA, FERDINANDO MARCOS LIMA, BR
[72] LENZ, GIUVAN, BR
[71] UPL CORPORATION LIMITED, MU
[71] UPL EUROPE LTD, GB
[85] 2022-03-28
[86] 2020-10-01 (PCT/IB2020/059196)
[87] (WO2021/064625)
[30] IN (201941039822) 2019-10-01

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[51] **Int.Cl. H04N 5/225 (2006.01)**
[25] EN
[54] **CAMERA MODULE AND ELECTRONIC DEVICE**
[54] **MODULE DE CAMERA ET DISPOSITIF ELECTRONIQUE**
[72] LU, LIANPENG, CN
[72] ZHU, LIJUN, CN
[72] JING, HAO, CN
[72] ZHANG, XIANLONG, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2022-03-29
[86] 2020-09-23 (PCT/CN2020/117238)
[87] (WO2021/063231)
[30] CN (201910942344.7) 2019-09-30

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[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) B23Q 17/09 (2006.01) G05B 19/4065 (2006.01)**
[25] EN
[54] **DENTAL MACHINING SYSTEM FOR PREDICTING THE WEAR CONDITION OF A DENTAL TOOL**
[54] **SYSTEME D'USINAGE DENTAIRE POUR PREDIRE L'ETAT D'USURE D'UN OUTIL DENTAIRE**
[72] SCHNEIDER, HANS-CHRISTIAN, DE
[72] STEGER, SEBASTIAN, DE
[72] WEISS, DANIEL, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2022-03-29
[86] 2020-10-16 (PCT/EP2020/079200)
[87] (WO2021/083693)
[30] EP (19206733.8) 2019-11-01

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[13] A1
[51] **Int.Cl. A61B 6/14 (2006.01) A61B 6/00 (2006.01) G03B 42/04 (2021.01)**
[25] EN
[54] **SENSOR HOLDER AND METHOD FOR OPTIMUM POSITIONING DURING INTRAORAL IMAGING**
[54] **SUPPORT DE CAPTEUR ET PROCEDE DE POSITIONNEMENT OPTIMAL PENDANT UNE IMAGERIE INTRA-ORALE**
[72] BLECHER, WOLF, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[71] DENTSPLY SIRONA INC., US
[85] 2022-03-29
[86] 2020-11-27 (PCT/EP2020/083691)
[87] (WO2021/105397)
[30] EP (19212176.2) 2019-11-28

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[13] A1
[51] **Int.Cl. F16C 33/74 (2006.01)**
[25] EN
[54] **SELF-HEALING BEARING DEVICE USING ELECTRIC OR MAGNETIC FLUIDS**
[54] **DISPOSITIF PALIER AUTO-REPARABLE UTILISANT DES FLUIDES ELECTRIQUES OU MAGNETIQUES**
[72] LAMPAERT, STEFAN GEORGE EMILE, NL
[72] VAN OSTAYEN, RONALD ADRIANUS JOHANNES, NL
[72] DE GRAAF, MAARTEN CORNELIS, NL
[71] BIFROST RESEARCH AND DEVELOPMENT B.V., NL
[85] 2022-03-29
[86] 2020-09-29 (PCT/EP2020/077249)
[87] (WO2021/069260)
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[25] EN
[54] **PROSTAGLANDIN EP4 RECEPTOR ANTAGONIST COMPOUNDS**
[54] **COMPOSES ANTAGONISTES DU RECEPTEUR DE LA PROSTAGLANDINE EP4**
[72] CONGREVE, MILES STUART, GB
[72] SWAIN, NIGEL ALAN, GB
[72] WHITEHURST, BENJAMIN, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
[85] 2022-03-29
[86] 2020-10-09 (PCT/GB2020/052530)
[87] (WO2021/069927)
[30] GB (1914585.3) 2019-10-09

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[51] **Int.Cl. C10B 53/07 (2006.01)**
[25] EN
[54] **INSTALLATION FOR THE PRODUCTION AND A METHOD OF PRODUCING OIL, GAS AND CHAR FOR A COAL BLACK FROM ELASTOMERS, ESPECIALLY RUBBER WASTE, IN THE PROCESS OF CONTINUOUS PYROLYSIS**
[54] **INSTALLATION DESTINEE A LA PRODUCTION ET PROCEDE DE PRODUCTION D'HUILE, DE GAZ ET DE PRODUIT DE CARBONISATION POUR UN NOIR DE CHARBON A PARTIR D'ELASTOMERES, EN PARTICULIER DE DEC HETS DE CAOUTCHOUC, DANS LE PROCEDE DE PYROLYSE CONTINUE**
[72] MIKUSKIEWICZ, MICHAL, PL
[72] MIKUSKIEWICZ, PAWEL, PL
[72] ROLNIK, BRONISLAW, PL
[72] ZYGMUNT, SEBASTIAN, PL
[71] REOIL SP. Z O.O., PL
[85] 2022-03-29
[86] 2020-09-29 (PCT/EP2020/077259)
[87] (WO2021/063961)
[30] PL (P.431333) 2019-09-30

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[25] EN
[54] **HERBICIDE COMPOSITION**
[54] **COMPOSITION HERBICIDE**
[72] FABRI, CARLOS EDUARDO, MU
[72] PEREIRA, RAFAEL HENRIQ, MU
[72] SILVA, FERDINANDO MARCOS LIMA, BR
[72] LENZ, GIUVAN, BR
[71] UPL CORPORATION LIMITED, MU
[71] UPL EUROPE LTD, GB
[85] 2022-03-28
[86] 2020-10-01 (PCT/IB2020/059197)
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[25] EN
[54] **ANTI-TIRC7 ANTIGEN BINDING PROTEINS**
[54] **PROTEINES DE LIAISON A L'ANTIGENE ANTI-TIRC7**
[72] UTKU, NALAN, DE
[71] NEKONAL S.A.R.L., LU
[85] 2022-03-29
[86] 2020-09-30 (PCT/EP2020/077422)
[87] (WO2021/073877)
[30] EP (19200324.2) 2019-09-30

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[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/502 (2006.01) A61K 31/5025 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION OF PRMT5 INHIBITORS**
[54] **COMBINAISON PHARMACEUTIQUE D'INHIBITEURS DE PRMT5**
[72] BHONDE, MANDAR RAMESH, IN
[72] PALLE, VENKATA P., IN
[72] KAMBOJ, RAJENDER KUMAR, IN
[71] LUPIN LIMITED, IN
[85] 2022-03-28
[86] 2020-10-22 (PCT/IB2020/059921)
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[25] EN
[54] **ROLL CONNECTION**
[54] **RACCORD A ROULEAUX**
[72] NONNE, FRANCOIS, FR
[72] BRIAULT, PAULINE, FR
[71] ARCELORMITTAL, LU
[85] 2022-03-29
[86] 2019-12-09 (PCT/IB2019/060553)
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[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING CASSETTE TYPE IN A SURGICAL SYSTEM**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE TYPE DE CASSETTE DANS UN SYSTEME CHIRURGICAL**
[72] MEHTA, DEEP, US
[71] JOHNSON & JOHNSON SURGICAL VISION, INC., US
[85] 2022-03-29
[86] 2020-09-14 (PCT/IB2020/058526)
[87] (WO2021/064497)
[30] US (62/908,548) 2019-09-30

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[51] **Int.Cl. B29C 44/04 (2006.01) G06F 30/00 (2020.01) B29C 44/12 (2006.01) B29C 44/34 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING PRODUCTS OF MULTI-GRADIENT FOAMED POLYMERIC MATERIAL**
[54] **PROCEDE DE FABRICATION DE PRODUITS DE MATERIAU POLYMERE EXPANSE A GRADIENTS MULTIPLES**
[72] DI MAIO, ERNESTO, IT
[72] NICOLAIS, LUIGI, IT
[72] ERRICHIELLO, FABRIZIO, IT
[71] MATERIAS S.R.L., IT
[85] 2022-03-29
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR IMPROVED TASTE QUALITY**
[54] **PROCEDES ET COMPOSITIONS POUR UNE QUALITE GUSTATIVE AMELIOREE**
[72] DUBOIS, GRANT E., US
[71] ALMENDRA PTE. LTD, SG
[85] 2022-03-29
[86] 2020-09-30 (PCT/IB2020/059181)
[87] (WO2021/064616)
[30] US (62/908,543) 2019-09-30
[30] US (62/916,165) 2019-10-16

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[51] **Int.Cl. C10L 3/10 (2006.01) F25J 3/06 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR RECOVERING METHANE AND CARBON DIOXIDE FROM BIOGAS AND REDUCING GREENHOUSE GAS EMISSIONS**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE METHANE ET DE DIOXYDE DE CARBONE A PARTIR D'UN BIOGAZ ET DE REDUCTION DES EMISSIONS DE GAZ A EFFET DE SERRE**
[72] WHITMORE, NOAH, US
[71] WM INTELLECTUAL PROPERTY HOLDINGS, L.L.C., US
[85] 2022-03-28
[86] 2020-09-28 (PCT/US2020/053143)
[87] (WO2021/062397)
[30] US (62/907,348) 2019-09-27

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[13] A1
[51] **Int.Cl. B32B 1/08 (2006.01) B32B 5/02 (2006.01) B32B 5/12 (2006.01) D04B 21/20 (2006.01) F16L 11/08 (2006.01)**
[25] EN
[54] **FLAT FLEXIBLE HOSE FOR TRANSPORTING FLUIDS**
[54] **TUYAU FLEXIBLE PLAT POUR LE TRANSPORT DE FLUIDES**
[72] CEGALIN, ALESSANDRO, IT
[72] BATTAGLIA, LUCA, IT
[72] BATTAGLIN, GIANFRANCO, IT
[71] FITT S.P.A., IT
[85] 2022-03-29
[86] 2020-11-23 (PCT/IB2020/061026)
[87] (WO2021/100025)
[30] IT (102019000021978) 2019-11-22

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[51] **Int.Cl. C22C 38/06 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **COLD ROLLED AND HEAT-TREATED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME**
[54] **TOLE D'ACIER LAMINEE A FROID ET TRAITEE THERMIQUEMENT ET PROCEDE DE FABRICATION D'UNE TELLE TOLE D'ACIER**
[72] PERLADE, ASTRID, FR
[72] ZHU, KANGYING, FR
[72] JUNG, CORALIE, FR
[72] KEGEL, FREDERIC, FR
[71] ARCELORMITTAL, LU
[85] 2022-03-29
[86] 2020-12-16 (PCT/IB2020/062011)
[87] (WO2021/124136)
[30] IB (PCT/IB2019/061102) 2019-12-19

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[13] A1
[51] **Int.Cl. G11C 16/34 (2006.01) G11C 16/10 (2006.01)**
[25] EN
[54] **RESTRICTING WRITE CYCLES TO EXTEND THE LIFETIME OF NONVOLATILE MEMORY**
[54] **RESTRICTION DE CYCLES D'ECRITURE POUR PROLONGER LA DUREE DE VIE D'UNE MEMOIRE NON VOLATILE**
[72] WOLTER, CHAD, US
[72] DAVIS, IAN JACKSON, AU
[72] SCHACK, AUGUST, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-03-28
[86] 2020-09-29 (PCT/US2020/053211)
[87] (WO2021/067232)
[30] US (16/592,196) 2019-10-03

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[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/00 (2006.01) A42B 3/30 (2006.01)**
[25] EN
[54] **SUSPENSION UNIT FOR A HELMET**
[54] **UNITE DE SUSPENSION POUR CASQUE**
[72] BAKER, JOHN MAXWELL, US
[72] HADLEY, JONATHAN BRANDT, US
[72] JOHNSON, AARON D., US
[72] BRINCKERHOFF, CHAD AUSTIN, US
[71] ILLUMAGEAR, INC., US
[85] 2022-03-29
[86] 2019-10-03 (PCT/US2019/054577)
[87] (WO2020/072825)
[30] US (62/740,776) 2018-10-03

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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **DRAIN APPARATUS FOR HEMODIALYSIS MACHINES**
[54] **APPAREIL DE DRAINAGE POUR MACHINES D'HEMODIALYSE**
[72] CRNKOVICH, MARTIN JOSEPH, US
[72] WEAVER, COLIN, US
[72] YUDS, DAVID, US
[71] FREDENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-28
[86] 2020-09-29 (PCT/US2020/053235)
[87] (WO2021/067247)
[30] US (16/588,151) 2019-09-30

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[51] **Int.Cl. A61B 5/16 (2006.01) G16H 50/20 (2018.01) G06F 3/04842 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REACTION MEASUREMENT**
[54] **SYSTEMES ET PROCEDES DE MESURE DES REACTIONS**
[72] DOUGLAS, JOHN, US
[72] PERIC, IGOR, US
[72] FORNARI, FRANK, US
[71] BIOMECH SENSOR LLC, US
[85] 2022-03-28
[86] 2020-09-29 (PCT/US2020/053238)
[87] (WO2021/067250)
[30] US (16/588,596) 2019-09-30
[30] US (16/926,318) 2020-07-10

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[51] **Int.Cl. C07K 16/24 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AN IL-17 TARGET ENGAGEMENT ASSAY WITH SMALL MOLECULE MODULATORS**
[54] **COMPOSITIONS ET METHODES DE DOSAGE D'IMPLICATION CIBLE D'IL-17 AVEC DES MODULATEURS A PETITES MOLECULES**
[72] BLEVITT, JONATHAN M., US
[72] DEPRIMO, SAMUEL E., US
[72] STRASNER, AMY, US
[72] LEUNG, WAI PING, US
[72] DE LEON-TABALDO, AIMEE ROSE, US
[72] XUE, XIAOHUA, US
[72] GOLDBERG, STEVEN, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-03-29
[86] 2020-09-28 (PCT/US2020/053102)
[87] (WO2021/067191)
[30] US (62/908,195) 2019-09-30
[30] US (62/960,031) 2020-01-12
[30] US (63/077,978) 2020-09-14

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AN IL-17 TARGET ENGAGEMENT ASSAY WITH LARGE MOLECULE MODULATORS**
[54] **COMPOSITIONS ET METHODES POUR UN DOSAGE D'ENTREE EN PRISE CIBLE D'IL-17 AVEC DES MODULATEURS A GRANDES MOLECULES**
[72] LEUNG, WAI-PING, US
[72] BLEVITT, JONATHAN, US
[72] DE LEON-TABALDO, AIMEE ROSE, US
[72] XUE, XIAOHUA, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-03-29
[86] 2020-09-28 (PCT/US2020/053112)
[87] (WO2021/067195)
[30] US (62/908,195) 2019-09-30
[30] US (62/960,031) 2020-01-12
[30] US (63/077,992) 2020-09-14

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[51] **Int.Cl. A63B 22/06 (2006.01) A63B 21/22 (2006.01) A63B 22/02 (2006.01) A63B 22/04 (2006.01) A63B 22/14 (2006.01) A63B 22/16 (2006.01)**
[25] EN
[54] **PORTABLE ELLIPTICAL EXERCISE DEVICE**
[54] **DISPOSITIF D'EXERCICE ELLIPTIQUE PORTABLE**
[72] POLINSKY, GLENN, US
[72] BUSH, PJ, US
[71] FITNESS CUBED INC., US
[85] 2022-03-29
[86] 2020-09-29 (PCT/US2020/053251)
[87] (WO2021/067258)
[30] US (62/908,475) 2019-09-30

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **COMBINATION GMCI AND ATRI CANCER TREATMENT**
[54] **TRAITEMENT ANTICANCEREUX PAR IMMUNOTHERAPIE CYTOTOXIQUE A MEDIATION GENIQUE ET INHIBITEUR ATR COMBINES**
[72] KOCH, MARILIN, US
[72] LAWLER, SEAN, US
[72] AGUILAR-CORDOVA, CARLOS ESTUARDO, US
[72] GUZIK, BRIAN, US
[71] CANDEL THERAPEUTICS, INC., US
[71] KOCH, MARILIN, US
[71] LAWLER, SEAN, US
[85] 2022-03-29
[86] 2020-09-29 (PCT/US2020/053335)
[87] (WO2021/067310)
[30] US (62/908,209) 2019-09-30

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[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08L 75/06 (2006.01)**
[25] EN
[54] **SPRAY POLYURETHANE ELASTOMERS AND METHODS FOR PRODUCING THE SAME**
[54] **ELASTOMERES DE POLYURETHANE A PULVERISER ET LEURS PROCEDES DE PRODUCTION**
[72] WANG, LIYING, US
[72] MARTIN, BRAD J., US
[71] BASF SE, DE
[85] 2022-03-29
[86] 2020-09-30 (PCT/US2020/053385)
[87] (WO2021/067344)
[30] US (62/907,878) 2019-09-30

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[13] A1
[51] **Int.Cl. B65D 41/34 (2006.01) B65D 39/00 (2006.01) B65D 41/32 (2006.01) B65D 43/24 (2006.01) B65D 47/08 (2006.01) B65D 55/02 (2006.01) B65D 55/16 (2006.01)**
[25] EN
[54] **RETAINABLE CLOSURE**
[54] **FERMETURE POUVANT ETRE RETENUE**
[72] BLOOM, DANIEL A., US
[72] BLOOM, KENNETH S., US
[72] KREINBRINK, ANDREW, US
[71] BERRY GLOBAL, INC., US
[85] 2022-03-29
[86] 2020-09-30 (PCT/US2020/053503)
[87] (WO2021/067412)
[30] US (62/907,816) 2019-09-30

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[13] A1
[51] **Int.Cl. G01R 11/04 (2006.01) H02J 7/34 (2006.01)**
[25] EN
[54] **METER FOR USE WITH A DISTRIBUTED ENERGY RESOURCE DEVICE**
[54] **COMPTEUR DESTINE A ETRE UTILISE AVEC UN DISPOSITIF DE RESSOURCE D'ENERGIE DISTRIBUEE**
[72] TANWANI, NIKHIL, IN
[72] RATHORE, BAHADUR SINGH, IN
[72] KARLGAARD, MATT, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-03-29
[86] 2020-09-30 (PCT/US2020/053512)
[87] (WO2021/071717)
[30] US (62/914,205) 2019-10-11

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[13] A1
[51] **Int.Cl. C08L 33/08 (2006.01) C09D 133/12 (2006.01) C09J 133/08 (2006.01)**
[25] EN
[54] **ADHESIVE AND METHODS OF USE**
[54] **ADHESIF ET PROCEDES D'UTILISATION**
[72] EL-TAHLAWY, KHALED, US
[72] CHOU, KEVIN, US
[72] ELAFROS, PETER, US
[72] EATON, PATRICK, US
[72] KULKARNI, AMEET, US
[72] FRANCO, EDWIN, US
[71] SHURTAPE TECHNOLOGIES, LLC, US
[85] 2022-03-29
[86] 2020-09-30 (PCT/US2020/053538)
[87] (WO2021/067432)
[30] US (62/907,894) 2019-09-30
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[54] **PROCEDES DE TRAITEMENT D'ETATS LIES AU RECEPTEUR S1P1**
[72] NGUYEN-CLEARY, THAI CURTIS, US
[72] ACEVEDO, LISETTE MARIE, US
[71] ARENA PHARMACEUTICALS, INC., US
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[54] **METAL-COATED OPTICAL FIBER AND A METHOD OF FABRICATING THEREOF**
[54] **FIBRE OPTIQUE REVETUE EN METAL ET SON PROCEDE DE FABRICATION**
[72] D'URSO, JOHN, US
[72] JACOBSEN, WILLIAM PAUL, US
[71] VERRILLON, INC., US
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[54] **PRESERVATIVE-FREE FORMULATIONS OF TETRACAINE HCL**
[54] **FORMULATIONS SANS CONSERVATEUR DE CHLORHYDRATE DE TETRACAINE**
[72] SAWAYA, ASSAD, US
[71] ALTAIRE PHARMACEUTICALS, INC., US
[85] 2022-03-29
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[54] **TERMINAL AND COMMUNICATION METHOD**
[54] **TERMINAL ET PROCEDE DE COMMUNICATION**
[72] YOKOKAWA, TOMOKI, JP
[72] KAKISHIMA, YUICHI, JP
[72] TAKADA, TAKUMA, JP
[71] NTT DOCOMO, INC., JP
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[54] **TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, JING, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
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[54] **ANTI-CD37 ANTIBODY-MAYTANSINE CONJUGATES AND METHODS OF USE THEREOF**
[54] **CONJUGUES ANTICORPS ANTI-CD37-MAYTANSINE ET METHODES D'UTILISATION DE CEUX-CI**
[72] RABUKA, DAVID, US
[72] DRAKE, PENELOPE M., US
[72] BARFIELD, ROBYN M., US
[72] KIM, YUN CHEOL, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
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[54] **DIMERIC NAPHTHALIMIDE FORMULATIONS**
[54] **FORMULATIONS DE NAPHTALIMIDES DIMERIQUES**
[72] WARNER, KEVIN S., US
[71] ALUCENT BIOMEDICAL, INC., US
[85] 2022-03-29
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[54] **PRINTER AND PRINTING CASSETTE**
[54] **DISPOSITIF D'IMPRESSION ET CARTOUCHE D'IMPRESSION**
[72] UKAI, SHINJI, JP
[72] TAGAMI, YUYA, JP
[72] HIROSE, ATSUO, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
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[25] EN
[54] **BLOOD TREATMENT MATERIAL**
[54] **MATERIAU DE TRAITEMENT DU SANG**
[72] YAMASHITA, KYOHEI, JP
[72] KANDA, SHUNGO, JP
[72] TAKAHASHI, HIROSHI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2022-03-29
[86] 2020-10-02 (PCT/JP2020/037573)
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[54] **MULTI-LOCKING DEVICE USING RANDOM PASSWORD**
[54] **DISPOSITIF MULTIVERROUILLAGE UTILISANT UN MOT DE PASSE ALEATOIRE**
[72] LEE, KI CHUL, KR
[71] LEE, KI CHUL, KR
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[54] **BIODEGRADABLE, PHASE SEPARATED, THERMOPLASTIC MULTI-BLOCK COPOLYMER**
[54] **COPOLYMERE MULTISEQUENCE, THERMOPLASTIQUE, BIODEGRADABLE, A PHASES SEPAREES**
[72] HAITJEMA, HENK, NL
[72] STEENDAM, ROB, NL
[72] HIEMSTRA, CHRISTINE, NL
[72] ZUIDEMA, JOHAN, NL
[72] DOORNBOS, ALBERT, NL
[72] NGUYEN, THANH, NL
[71] INNOCORE TECHNOLOGIES HOLDING B.V., NL
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[54] **TRANSDERMAL DELIVERY OF DRONABINOL**
[54] **ADMINISTRATION TRANSDERMIQUE DE DRONABINOL**
[72] PLAKOGIANNIS, FOTIOS M., US
[72] LATHER, TAMANNA, US
[72] MODI, NISARG, US
[72] BOROVINSKAYA, MARINA, US
[71] STARTON THERAPEUTICS, INC., US
[85] 2022-03-29
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[54] **ZINC FINGER PROTEIN TRANSCRIPTION FACTORS FOR REPRESSING ALPHA-SYNUCLEIN EXPRESSION**
[54] **FACTEURS DE TRANSCRIPTION DE PROTEINE A DOIGT DE ZINC POUR REPRIMER L'EXPRESSION DE L'ALPHA-SYNUCLEINE**
[72] HATAMI, ASA, US
[72] ZEITLER, BRYAN, US
[72] ZHANG, LEI, US
[72] PASCHON, DAVID EMANUEL, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2022-03-29
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[25] EN
[54] **METHODS OF USE OF ORAL CARE COMPOSITIONS COMPRISING HOPS**
[54] **PROCEDES D'UTILISATION DE COMPOSITIONS DE SOIN BUCCODENTAIRE COMPRENANT DU HOUBLON**
[72] BAIG, ARIF ALI, US
[72] BAKER, TAMMY K., US
[72] BIESBROCK, AARON REED, US
[72] ST. JOHN, SAMUEL JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-25
[86] 2020-09-30 (PCT/US2020/070596)
[87] (WO2021/067992)
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[30] US (62/907,736) 2019-09-30
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[30] US (62/972,109) 2020-02-10
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[25] EN
[54] **COMPOSITIONS, METHODS, AND KITS FOR SELECTION OF DONORS AND RECIPIENTS FOR IN VITRO FERTILIZATION**
[54] **COMPOSITIONS, PROCEDES ET KITS POUR LA SELECTION DE DONNEURS ET DE RECEVEURS POUR UNE FECONDATION IN VITRO**
[72] SANCHES, BRUNO VALENTE, US
[72] BISHOP, MICHAEL D., US
[72] BONILLA, LUCIANO, US
[72] ZANGIROLAMO, AMANDA FONSECA, BR
[71] VYTELLE, LLC, US
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[25] EN
[54] **METER AND SOCKET FOR USE WITH A DISTRIBUTED ENERGY RESOURCE DEVICE**
[54] **COMPTEUR ET SOCLE DESTINES A ETRE UTILISES AVEC UN DISPOSITIF DE RESSOURCES ENERGETIQUES DISTRIBUEES**
[72] KARLGAARD, MATT, US
[72] RADGOWSKI, JOHN, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-03-29
[86] 2020-10-06 (PCT/US2020/054422)
[87] (WO2021/071849)
[30] US (62/914,205) 2019-10-11
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[54] **METERING AND COMMUNICATIONS FOR DISTRIBUTED ENERGY RESOURCE DEVICES**
[54] **MESURE ET COMMUNICATIONS POUR DISPOSITIFS A RESSOURCES ENERGETIQUES DISTRIBUEES**
[72] KARLGAARD, MATT, US
[72] TORPY, KEITH MARIO, AU
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-03-29
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[54] **SUBSTITUTED 1,6-NAPHTHYRIDINE INHIBITORS OF CDK5**
[54] **INHIBITEURS DE 1, 6-NAPHTYRIDINE SUBSTITUES DE CDK5**
[72] MALOJCIC, GORAN, US
[72] DANIELS, MATTHEW H., US
[72] WILLIAMS, BRETT D., US
[72] YU, MAOLIN, US
[72] LEDEBOER, MARK W., US
[72] HARMANGE, JEAN-CHRISTOPHE P., US
[72] WANG, JENNA LIJIE, US
[71] GOLDFINCH BIO, INC., US
[85] 2022-03-28
[86] 2020-10-01 (PCT/US2020/053756)
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[54] **INHIBITEURS DE FACTEUR D DU COMPLEMENT ORAL**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[72] ZHANG, WEIHE, US
[72] LU, PENG-CHENG, US
[72] SPAULDING, ANDREW E., US
[72] WU, MINWAN, US
[72] LV, WEI, US
[72] NGUYEN, TRUNG XUAN, US
[72] DANG, ZHAO, US
[72] RAMAN, KRISHNAN, US
[71] BIOCRYST PHARMACEUTICALS, INC., US
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[25] EN
[54] **AN EXTRACT OF PERIPLANETA AMERICANA L., PREPARATION, A PREPARATION METHOD AND USE THEREOF**
[54] **EXTRAIT DE BLATTE AMERICAINE, PREPARATION ASSOCIEE, SES PROCEDES DE PREPARATION ET APPLICATIONS CORRESPONDANTES**
[72] GENG, YUEFEI, CN
[71] LIANGSHAN JIANENGDA BIOMATERIALS BREEDING CO., LTD., CN
[85] 2022-03-30
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[25] EN
[54] **DELIVERY SYSTEMS AND DEVICES FOR THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA AND RELATED LOWER URINARY TRACT SYMPTOMS**
[54] **SYSTEMES ET DISPOSITIFS D'ADMINISTRATION POUR LE TRAITEMENT DE L'HYPERPLASIE BENIGNE DE LA PROSTATE ET DES SYMPTOMES ASSOCIES DES VOIES URINAIRES INFERIEURES**
[72] VENKATESWARA-RAO, KONDAPAVULUR T., US
[72] CHANG, KENNETH CHIH-PING, US
[72] ZARETZKA, GARY DANIEL, TW
[72] JEN, JIMMY, US
[71] PRODEON MEDICAL CORPORATION, TW
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[54] **POLYMER-AEROGEL/FIBER AND POLYMER-AEROGEL/TEXTILE COMPOSITES AND RELATED SYSTEMS AND METHODS**
[54] **COMPOSITES POLYMERE-AEROGEL/FIBRE ET POLYMERE-AEROGEL/TEXTILE, SYSTEMES ET PROCEDES ASSOCIES**
[72] STEINER, STEPHEN A., III, US
[72] NELSON, RYAN T., US
[72] BUCKWALTER, MORIAH C., US
[72] GRIFFIN, JUSTIN S., US
[72] NASH, JEFFREY, US
[71] AEROGEL TECHNOLOGIES, LLC, US
[71] LUKLA INC. D/B/A OROS, US
[85] 2022-03-29
[86] 2020-10-09 (PCT/US2020/055150)
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[25] EN
[54] **LITHIUM BATTERY POSITIVE ELECTRODE MATERIAL PRECURSOR, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **PRECURSEUR DE MATERIAU D'ELECTRODE POSITIVE DE BATTERIE AU LITHIUM, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, TONGBAO, CN
[72] WANG, BIWEI, CN
[72] ZHU, YE, CN
[72] GAO, HUANXIN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
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[86] 2020-10-16 (PCT/CN2020/121341)
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[30] CN (201910990467.8) 2019-10-17
[30] CN (201910989951.9) 2019-10-17

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[54] **CRISPR AND AAV STRATEGIES FOR X-LINKED JUVENILE RETINOSCHISIS THERAPY**
[54] **STRATEGIES CRISPR-VAA POUR LA THERAPIE DU RETINOSCHISIS JUVENILE LIE A L'X**
[72] HUNT, CHARLEEN, US
[72] LIU, YANG, US
[72] GONG, GUOCHUN, US
[72] ROMANO, CARMELO, US
[72] ZAMBROWICZ, BRIAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **ATR-BASED HYDROGEN PROCESS AND PLANT**
[54] **PROCESSUS ET INSTALLATION D'HYDROGENE A REFORMAGE AUTOTHERMIQUE**
[72] CHRISTENSEN, STEFFEN SPANGSBERG, DK
[72] SAHAI, ARUNABH, IN
[71] HALDOR TOPSOE A/S, DK
[85] 2022-03-30
[86] 2020-09-18 (PCT/EP2020/076151)
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[30] DK (PA 2019 01525) 2019-12-20

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[54] **SENSOR BYPASS FOR GAS METERS**
[54] **DERIVATION DE CAPTEUR DESTINEE A DES COMPTEURS DE GAZ**
[72] HAAG, CHRISTIAN OSKAR, US
[72] NENNINGER-ABE, KANAKO, US
[72] EINHAUS, MANFRED, US
[71] ITRON GLOBAL SARL, US
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[30] US (16/725,591) 2019-12-23

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[54] **CARRIER FOR CONTAINERS**
[54] **TRANSPORTEUR POUR CONTENEURS**
[72] SMALLEY, BRIAN, GB
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-03-28
[86] 2020-10-05 (PCT/US2020/054205)
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[30] US (16/598,282) 2019-10-10

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[51] **Int.Cl. G01M 17/02 (2006.01) G01B 7/26 (2006.01)**
[25] EN
[54] **MAGNETIC DRIVE OVER SYSTEM (DOS) PROVIDING TIRE TREAD THICKNESS/DEPTH MEASUREMENT**
[54] **SYSTEME DRIVE-OVER (DOS) MAGNETIQUE FOURNISSANT UNE MESURE D'EPAISSEUR/PROFONDEUR DE BANDE DE ROULEMENT DE PNEU**
[72] STEVENSON, DANIEL, US
[72] NOYCE, STEVEN, US
[72] SARTORELLI, MARIA LUISA, US
[72] VON WINDHEIM, JESKO, US
[72] STANGLER, MICHAEL, US
[72] METHENY, GLEN, US
[72] BROOKS, STEPHEN W., US
[72] KOESTER, DAVID ALAN, US
[72] FRANKLIN, AARON DANIEL, US
[71] TYRATA, INC., US
[85] 2022-03-28
[86] 2020-10-07 (PCT/US2020/054513)
[87] (WO2021/071899)
[30] US (62/912,299) 2019-10-08

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[51] **Int.Cl. A01F 15/07 (2006.01)**
[25] EN
[54] **AXIALLY PROTRUDING CONTINUOUS ROUND BALER**
[54] **PRESSE A BALLES RONDES CONTINUE A SAILLIE AXIALE**
[72] UNDERHILL, KENNETH R., US
[71] MCHALE ENGINEERING, IE
[85] 2022-03-30
[86] 2020-10-02 (PCT/EP2020/077748)
[87] (WO2021/064224)
[30] US (62/909,391) 2019-10-02

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[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **ORAL COMPLEMENT FACTOR D INHIBITORS**
[54] **INHIBITEURS ORAUX DU FACTEUR D DU COMPLEMENT**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA, S., US
[72] ZHANG, WEIHE, US
[72] LU, PENG-CHENG, US
[72] SPAULDING, ANDREW E., US
[72] LV, WEI, US
[72] DANG, ZHAO, US
[72] RAMAN, KRISHNAN, US
[71] BIOCRYST PHARMACEUTICALS, INC., US
[85] 2022-03-28
[86] 2020-10-09 (PCT/US2020/054992)
[87] (WO2021/072198)
[30] US (62/912,929) 2019-10-09

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[51] **Int.Cl. C12N 5/078 (2010.01) C12N 5/00 (2006.01)**
[25] FR
[54] **SYSTEME POUR LA LIBERATION DE PLAQUETTES ET PROCEDE DE LIBERATION DE PLAQUETTES**
[54] **PLATELET RELEASE SYSTEM AND PLATELET RELEASE METHOD**
[72] DO SACRAMENTO, VALENTIN, FR
[72] KNAPP, YANNICK, FR
[72] MALLO, LEA, FR
[72] STRASSEL, CATHERINE, FR
[71] ETABLISSEMENT FRANCAIS DE SANG, FR
[71] AVIGNON UNIVERSITE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] UNIVERSITE DE STRASBOURG, FR
[85] 2022-03-30
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[87] (WO2021/069747)
[30] FR (FR1911303) 2019-10-11

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[25] EN
[54] **FIBRINOGEN AS ADJUVANT FOR ANTIMICROBIAL AGENTS AND THERAPY**
[54] **FIBRINOGENE EN TANT QU'ADJUVANT POUR AGENTS ANTIMICROBIENS ET THERAPIE**
[72] KOOPMAN, JACOB, NL
[72] WEGGEMAN, MIRANDA, NL
[72] GRIMBERGEN, JOSEPH, NL
[71] FIBRIANT B.V., NL
[85] 2022-03-30
[86] 2020-10-23 (PCT/EP2020/079970)
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[30] EP (19204958.3) 2019-10-23

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[25] EN
[54] **PROCESS FOR A PLASTIC PRODUCT CONVERSION**
[54] **PROCEDE DE CONVERSION DE PRODUIT PLASTIQUE**
[72] CRAMWINCKEL, MICHIEL, NL
[71] CRAMWINCKEL, MICHIEL, NL
[85] 2022-03-30
[86] 2020-10-29 (PCT/EP2020/080413)
[87] (WO2021/084016)
[30] NL (2024115) 2019-10-29
[30] EP (PCT/EP2020/075469) 2020-09-11
[30] NL (2026522) 2020-09-23

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[51] **Int.Cl. H04B 7/185 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **EFFICIENT ADAPTIVE CODING AND MODULATION**
[54] **CODAGE ET MODULATION ADAPTATIFS EFFICIENTS**
[72] LIAU, VICTOR, US
[72] LEE, LIN-NAN, US
[72] RAWALA, MUSTAFA, US
[72] XIE, SARAH, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-03-30
[86] 2020-09-10 (PCT/US2020/050214)
[87] (WO2021/067022)
[30] US (16/589,555) 2019-10-01

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[51] **Int.Cl. C09K 8/86 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING CONDENSATION**
[54] **PROCEDES DE REDUCTION DE CONDENSATION**
[72] WANG, WEI, SA
[72] OW, HOOISWENG, SA
[72] CHANG, SEHOON, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2022-03-30
[86] 2020-09-17 (PCT/US2020/051221)
[87] (WO2021/067042)
[30] US (62/908,134) 2019-09-30

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[51] **Int.Cl. C08F 4/6592 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **CATALYST COMPOSITION AND METHOD FOR PREPARING POLYETHYLENE**
[54] **COMPOSITION DE CATALYSEUR ET PROCEDE DE PREPARATION DE POLYETHYLENE**
[72] LIEF, GRAHAM R., US
[72] YANG, QING, US
[72] HASCHKE, ERIC, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2022-03-30
[86] 2020-09-28 (PCT/US2020/052996)
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[30] US (16/593,566) 2019-10-04

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[51] **Int.Cl. C09D 11/02 (2014.01) C09D 11/17 (2014.01) C09D 11/322 (2014.01)**
[25] EN
[54] **DRY ERASE INKS AND ASSOCIATED WRITING INSTRUMENTS**
[54] **ENCRES EFFACABLES A SEC ET INSTRUMENTS D'ECRITURE ASSOCIES**
[72] KWAN, WING SUM VINCENT, US
[71] SANFORD L.P., US
[85] 2022-03-30
[86] 2020-09-29 (PCT/US2020/053272)
[87] (WO2021/067267)
[30] US (62/908,757) 2019-10-01

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[51] **Int.Cl. A63H 33/04 (2006.01)**
[25] EN
[54] **INTERACTIVE TOY**
[54] **JOUET INTERACTIF**
[72] TEZUKA, TAKASHI, JP
[72] MOMOSE, HIROSHI, JP
[72] MAKIUCHI, EMI, JP
[72] BENNINK, JONATHAN B., DK
[72] TRIER, JONATHAN, DK
[72] MA, BENJAMIN, DK
[71] LEGO A/S, DK
[85] 2022-03-30
[86] 2020-09-21 (PCT/EP2020/076257)
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[30] DK (PA201970608) 2019-09-30

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[25] EN
[54] **ACTIVE COMPOUND COMBINATIONS COMPRISING FATTY ACIDS**
[54] **COMBINAISONS DE COMPOSES ACTIFS COMPRENANT DES ACIDES GRAS**
[72] LAMPRECHT, SYBILLE, DE
[72] TRIEBUS, LUDGER, DE
[72] ARNOLD, CHRISTIAN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-03-30
[86] 2020-10-01 (PCT/EP2020/077463)
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[30] EP (19201121.1) 2019-10-02
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[51] **Int.Cl. A61K 31/16 (2006.01) A61K 31/44 (2006.01) A61K 31/496 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **5-FLUORONICOTINAMIDE DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE 5-FLUORONICOTINAMIDE ET LEURS UTILISATIONS**
[72] MANDEGAR, MOHAMMAD A., US
[72] PATEL, SNAHEL, US
[72] BHATT, ULHAS, US
[72] DING, PINGYU, US
[72] HOLAN, MARTIN, US
[72] LEE, JOHN, US
[72] LI, YIHONG, US
[72] MEDINA, JULIO, US
[72] NERURKAR, ALOK, US
[72] SEIDL, FREDERICK, US
[72] SPERANDIO, DAVID, US
[72] WIDJAJA, TIEN, US
[72] WANG, XIAODONG, US
[71] TENAYA THERAPEUTICS, INC., US
[85] 2022-03-30
[86] 2020-10-02 (PCT/US2020/054134)
[87] (WO2021/067859)
[30] US (62/910,278) 2019-10-03

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[51] **Int.Cl. B23K 26/064 (2014.01) B23K 26/02 (2014.01) B23K 26/06 (2014.01) B23K 26/36 (2014.01)**
[25] EN
[54] **APPARATUS FOR HIGH-SPEED PROCESSING OF FABRICS**
[54] **APPAREIL DESTINE AU TRAITEMENT GRANDE VITESSE DE TISSUS**
[72] CHASE, MICHAEL CARL, US
[72] WOLFE, DAVE, US
[72] MATHY, JOHN MADDEN, JR., US
[72] YU, XIAOMING, US
[72] KAR, ARAVINDA, US
[72] RAHAMAN, ARIFUR, US
[72] DU, XINPENG, US
[71] ELSNER ENGINEERING WORKS, INC., US
[71] CHASE, MICHAEL CARL, US
[71] WOLFE, DAVE, US
[71] MATHY, JOHN MADDEN, JR., US
[71] YU, XIAOMING, US
[71] KAR, ARAVINDA, US
[71] RAHAMAN, ARIFUR, US
[71] DU, XINPENG, US
[85] 2022-03-30
[86] 2020-10-03 (PCT/US2020/054186)
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[30] US (62/910,938) 2019-10-04

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/08 (2006.01)**
[25] EN
[54] **LEAD FOR AN ACTIVE IMPLANTABLE MEDICAL DEVICE**
[54] **SONDE POUR DISPOSITIF MEDICAL IMPLANTABLE ACTIF**
[72] HARTUNG, DIRK, AU
[71] SALUDA MEDICAL PTY LIMITED, AU
[85] 2022-03-30
[86] 2020-10-01 (PCT/AU2020/051054)
[87] (WO2021/062480)
[30] AU (2019903747) 2019-10-04

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[51] **Int.Cl. C12N 9/12 (2006.01) C12Q 1/6844 (2018.01) C12N 15/09 (2006.01) C12N 15/54 (2006.01) C12P 19/34 (2006.01) C12P 21/02 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MARINE DNA POLYMERASE I**
[54] **ADN POLYMERASE I MARINE**
[72] LARSEN, ATLE NORALF, NO
[72] PIOTROWSKI, YVONNE, NO
[71] UNIVERSITETET I TROMSO - NORGES ARKTISKE UNIVERSITET, NO
[85] 2022-03-30
[86] 2020-10-01 (PCT/EP2020/077534)
[87] (WO2021/064108)
[30] EP (19200782.1) 2019-10-01

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[13] A1
[51] **Int.Cl. C10K 1/28 (2006.01) C10K 1/34 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PURIFYING GAS AND USE**
[54] **PROCEDE ET APPAREIL D'EPURATION DE GAZ ET UTILISATION**
[72] KURKELA, ESA, FI
[72] HILTUNEN, ILKKA, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2022-03-30
[86] 2020-10-07 (PCT/FI2020/050661)
[87] (WO2021/069798)
[30] FI (20195858) 2019-10-08

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[51] **Int.Cl. C01B 3/38 (2006.01) C10K 3/00 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REMOVING IMPURITIES FROM GASIFICATION GAS AND USE**
[54] **PROCEDE ET APPAREIL D'ELIMINATION D'IMPURETES DE GAZ DE GAZEIFICATION ET UTILISATION**
[72] HILTUNEN, ILKKA, FI
[72] KURKELA, ESA, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2022-03-30
[86] 2020-10-07 (PCT/FI2020/050662)
[87] (WO2021/069799)
[30] FI (20195859) 2019-10-08

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[51] **Int.Cl. C22C 38/60 (2006.01) C21D 6/00 (2006.01) C21D 6/02 (2006.01) C21D 9/30 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01)**
[25] EN
[54] **FORGED PART OF STEEL AND A METHOD OF MANUFACTURING THEREOF**
[54] **PIECE FORGEE EN ACIER ET SON PROCEDE DE FABRICATION**
[72] BORDEREAU, VICTOR, FR
[72] PERSEM, CAROLINE, FR
[72] LHUILLERY, MATHIEU, FR
[71] ARCELORMITTAL, LU
[85] 2022-03-30
[86] 2019-11-18 (PCT/IB2019/059868)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61B 5/06 (2006.01) A61B 10/00 (2006.01) A61F 2/12 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SENSING PARAMETERS IN IMPLANTABLE DEVICES**
[54] **PROCEDES ET SYSTEMES POUR DETECTER DES PROCEDES DANS DES DISPOSITIFS IMPLANTABLES**
[72] DAJLES, DENISE, CR
[72] DELGADO, JUAN JOSE, CR
[72] ARAUJO, NATHALIA, CR
[72] DE MEZERVILLE, ROBERTO, CR
[72] CHACON QUIROS, JUAN JOSE, CR
[71] ESTABLISHMENT LABS S.A., CR
[85] 2022-03-30
[86] 2020-10-02 (PCT/IB2020/059287)
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[30] US (62/909,318) 2019-10-02

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[51] **Int.Cl. A61K 31/4427 (2006.01) A61K 31/453 (2006.01) A61K 31/454 (2006.01) A61K 31/506 (2006.01) A61P 25/14 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **2-AZASPIRO[3.4]OCTANE DERIVATIVES AS M4 AGONISTS**
[54] **DERIVES DE 2-AZASPIRO[3,4] OCTANE UTILISES EN TANT QU'AGONISTES DE M4**
[72] CALHOUN, AMY, US
[72] CHEN, XIN, US
[72] GARDINIER, KEVIN MATTHEW, US
[72] HALL, EDWARD CHARLES, US
[72] JENDZA, KEITH, US
[72] LABBE-GIGUERE, NANCY, US
[72] NEEF, JAMES, US
[72] PALACIOS, DANIEL STEVEN, US
[72] QIAN, MING, US
[72] SHULTZ, MICHAEL DAVID, US
[72] THOMSON, CHRISTOPHER G., US
[72] WANG, KATE YAPING, US
[72] YANG, FAN, US
[71] NOVARTIS AG, CH
[85] 2022-03-30
[86] 2020-10-07 (PCT/IB2020/059430)
[87] (WO2021/070090)
[30] US (62/912,980) 2019-10-09

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[51] **Int.Cl. B05B 1/14 (2006.01) A47J 31/44 (2006.01) A47J 43/12 (2006.01)**
[25] EN
[54] **STEAM WAND AND METHOD FOR FROTHING MILK**
[54] **BUSE A VAPEUR ET PROCEDE POUR FAIRE MOUSSER LE LAIT**
[72] DIONISIO, ANDREA, IT
[72] PIERI, SIMONE, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2022-03-30
[86] 2020-10-15 (PCT/IB2020/059673)
[87] (WO2021/074829)
[30] IT (102019000018983) 2019-10-16

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[13] A1
[51] **Int.Cl. A47J 42/50 (2006.01)**
[25] EN
[54] **HOPPER FOR COFFEE GRINDER MACHINE EQUIPPED WITH A LOWER CLOSURE DEVICE TO SAVE BEANS AND COFFEE GRINDER MACHINE EQUIPPED WITH THIS HOPPER**
[54] **TREMIE POUR MACHINE DE MOUTURE DE CAFE EQUIPEE D'UN DISPOSITIF DE FERMETURE INFERIEUR POUR ECONOMISER DES GRAINS ET MACHINE DE MOUTURE DE CAFE EQUIPEE DE CETTE TREMIE**
[72] DIONISIO, ANDREA, IT
[72] DONNINI, MARIO, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2022-03-30
[86] 2020-10-16 (PCT/IB2020/059756)
[87] (WO2021/074876)
[30] IT (102019000019088) 2019-10-16

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[13] A1
[51] **Int.Cl. A47J 42/40 (2006.01)**
[25] EN
[54] **COFFEE GRINDER WITH DEVICE FOR FILTER HOLDER OR FILTER DETECTION AND METHOD FOR DETECTING A FILTER HOLDER OR FILTER**
[54] **MOULIN A CAFE DOTE D'UN DISPOSITIF DE DETECTION DE PORTE-FILTRE OU DE FILTRE ET PROCEDE DE DETECTION DE PORTE-FILTRE OU DE FILTRE**
[72] DIONISIO, ANDREA, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2022-03-30
[86] 2020-10-19 (PCT/IB2020/059819)
[87] (WO2021/074908)
[30] IT (102019000019349) 2019-10-18

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[51] **Int.Cl. C21D 8/04 (2006.01) C21D 1/74 (2006.01)**
[25] EN
[54] **A PRESS HARDENING METHOD**
[54] **PROCEDE DE DURCISSEMENT A LA PRESSE**
[72] GRIGORIEVA, RAISA, FR
[72] DUMINICA, FLORIN, BE
[72] NABI, BRAHIM, BE
[72] DRILLET, PASCAL, FR
[72] STUREL, THIERRY, FR
[71] ARCELORMITTAL, LU
[85] 2022-03-30
[86] 2020-10-20 (PCT/IB2020/059837)
[87] (WO2021/084376)
[30] IB (PCT/IB2019/059285) 2019-10-30

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[51] **Int.Cl. B60N 2/58 (2006.01) B60N 2/60 (2006.01)**
[25] EN
[54] **SMART COVER FOR A VEHICLE SEAT AND VEHICLE SEAT COMPRISING SUCH SMART COVER**
[54] **HOUSSE INTELLIGENTE POUR SIEGE DE VEHICULE ET SIEGE DE VEHICULE COMPRENANT LADITE HOUSSE INTELLIGENTE**
[72] USTUNBERK, CAN, IT
[71] MARTUR ITALY S.R.L., IT
[85] 2022-03-30
[86] 2020-11-16 (PCT/IB2020/060755)
[87] (WO2021/099912)
[30] IT (102019000021993) 2019-11-22

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[51] **Int.Cl. F03D 13/10 (2016.01) F03B 13/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE**
[72] PARKINSON, RICHARD, GB
[71] HYDROWING LIMITED, GB
[85] 2022-03-28
[86] 2020-09-28 (PCT/GB2020/052339)
[87] (WO2021/058983)
[30] GB (1913933.6) 2019-09-27

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[51] **Int.Cl. B82Y 30/00 (2011.01) B32B 5/02 (2006.01) H01J 9/00 (2006.01) H05B 33/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR GENERATING A THERMAL SIGNATURE**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE GENERER UNE SIGNATURE THERMIQUE**
[72] MILLER, ASAF, IL
[72] MOSHE, ITAY, IL
[71] POLARIS SOLUTIONS LTD., IL
[85] 2022-03-30
[86] 2020-10-01 (PCT/IL2020/051072)
[87] (WO2021/064733)
[30] IL (269762) 2019-10-02

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[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6876 (2018.01) C12N 15/11 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING TARGET NUCLEIC ACID, METHOD FOR DETECTING NUCLEIC ACID-BINDING MOLECULE, AND METHOD FOR EVALUATING NUCLEIC ACID-BINDING ABILITY**
[54] **PROCEDE DE DETECTION D'ACIDE NUCLEIQUE CIBLE, PROCEDE DE DETECTION D'UNE MOLECULE DE LIAISON A UN ACIDE NUCLEIQUE, ET PROCEDE D'EVALUATION DE LA CAPACITE DE LIAISON A UN ACIDE NUC LEIQUE**
[72] FUJITA, TOSHITSUGU, JP
[72] FUJII, HODAKA, JP
[71] EPIGENERON, INC., JP
[85] 2022-03-30
[86] 2020-10-16 (PCT/JP2020/039128)
[87] (WO2021/075555)
[30] JP (2019-191409) 2019-10-18

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[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/54 (2006.01) C07C 63/06 (2006.01) C12N 1/21 (2006.01)**
[25] EN
[54] **BIOSYNTHESIS OF CANNABINOID PRECURSORS USING NOVEL AROMATIC PRENYL TRANSFERASES**
[54] **BIOSYNTHESE DE PRECURSEURS DE CANNABINOIDES A L'AIDE DE NOUVELLES PRENYL-TRANSFERASES AROMATIQUES**
[72] GO, MAYBELLE DARLENE KHO, SG
[72] LIM, KEVIN JIE HAN, SG
[72] LIM, YAN PING, SG
[72] YEW, WEN SHAN, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2022-03-30
[86] 2020-10-12 (PCT/SG2020/050582)
[87] (WO2021/071437)
[30] US (62/913,933) 2019-10-11

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[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 31/422 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **N-(1H-IMIDAZOL-2-YL)BENZAMIDE COMPOUND AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME AS ACTIVE INGREDIENT**
[54] **COMPOSE DE N-(1H-IMIDAZOL-2-YL)BENZAMIDE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT EN TANT QUE PRINCIPE ACTIF**
[72] CHUNG, JAEUK, KR
[72] KIM, SUNMI, KR
[72] CHO, HANYANG, KR
[72] MIN, JIYOUNG, KR
[71] KAINOS MEDICINE, INC., KR
[85] 2022-03-30
[86] 2020-09-29 (PCT/KR2020/013397)
[87] (WO2021/066559)
[30] US (62/909,498) 2019-10-02

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[51] **Int.Cl. C12N 9/00 (2006.01) C12N 15/52 (2006.01) C07D 307/91 (2006.01) C12N 1/21 (2006.01)**
[25] EN
[54] **BIOSYNTHESIS OF CANNABINOIDS FROM CANNABIGEROLIC ACID USING NOVEL CANNABINOID SYNTHASES**
[54] **BIOSYNTHESE DE CANNABINOIDES A PARTIR D'ACIDE CANNABIGEROLIQUE A L'AIDE DE NOUVELLES SYNTHASES DE CANNABINOIDES**
[72] GO, MAYBELLE DARLENE KHO, SG
[72] YEW, WEN SHAN, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2022-03-30
[86] 2020-10-12 (PCT/SG2020/050583)
[87] (WO2021/071438)
[30] US (62/913,991) 2019-10-11

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[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/54 (2006.01) C12N 1/21 (2006.01)**
[25] EN
[54] **SUSTAINABLE PRODUCTION OF CANNABINOIDS FROM SIMPLE PRECURSOR FEEDSTOCKS USING SACCHAROMYCES CEREVISIAE**
[54] **PRODUCTION DURABLE DE CANNABINOIDES A PARTIR DE CHARGES DE PRECURSEURS SIMPLES A L'AIDE DE SACCHAROMYCES CEREVISIAE**
[72] LIM, KEVIN JIE HAN, SG
[72] GO, MAYBELLE DARLENE KHO, SG
[72] YEW, WEN SHAN, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2022-03-30
[86] 2020-10-12 (PCT/SG2020/050584)
[87] (WO2021/071439)
[30] US (62/914,058) 2019-10-11

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01) C07K 16/18 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **TUMOR-TARGETING PROTEIN OR FRAGMENT THEREOF, ANTIBODY BINDING THERETO AND USE THEREOF**
[54] **PROTEINE CIBLANT UNE TUMEUR OU FRAGMENT ASSOCIE, ANTICORPS SE LIANT A CELLE-CI ET SON UTILISATION**
[72] HWANG, TAE-HO, KR
[72] CHO, MONG, KR
[72] CHO, EUNA, KR
[71] BIONOXX INC., KR
[85] 2022-03-30
[86] 2020-10-05 (PCT/KR2020/013485)
[87] (WO2021/066612)

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[51] **Int.Cl. F41A 17/06 (2006.01) H04W 24/08 (2009.01) H04W 4/029 (2018.01) F41A 17/30 (2006.01) F41G 3/14 (2006.01) G08B 25/10 (2006.01)**
[25] EN
[54] **FIREARM MONITORING AND REMOTE SUPPORT SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET DE SUPPORT A DISTANCE D'ARME A FEU**
[72] DENG, WILLIAM, US
[72] CANTY, MICHAEL, US
[71] ARMAMENTS RESEARCH COMPANY INC., US
[85] 2022-03-30
[86] 2019-10-11 (PCT/US2019/055925)
[87] (WO2020/077254)
[30] US (62/745,028) 2018-10-12
[30] US (16/599,976) 2019-10-11

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[51] **Int.Cl. G02F 1/01 (2006.01) G02B 30/33 (2020.01) G02B 5/00 (2006.01) G02B 5/12 (2006.01) G02B 5/18 (2006.01) G02B 27/42 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MULTIBEAM BACKLIGHT, MULTIVIEW DISPLAY, AND METHOD HAVING SHAPED-EDGE MULTIBEAM ELEMENTS**
[54] **RETROECLAIRAGE A FAISCEAUX MULTIPLES, DISPOSITIF D'AFFICHAGE MULTIVUE ET PROCEDE PRESENTANT DES ELEMENTS A FAISCEAUX MULTIPLES A BORD FACONNE**
[72] FATTAL, DAVID A., US
[72] LOWNEY, JOSEPH D., US
[71] LEIA INC., US
[85] 2022-03-30
[86] 2019-10-31 (PCT/US2019/059273)
[87] (WO2021/086387)

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[51] **Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C07K 19/00 (2006.01) C12N 7/01 (2006.01) C12N 15/50 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **IMMUNOBIOLOGICAL AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2**
[54] **AGENT IMMUNOBIOLOGIQUE POUR INDUIRE UNE IMMUNITE SPECIFIQUE CONTRE LE CORONAVIRUS DU SYNDROME RESPIRATOIRE AIGU SEVERE 2 (SRAS-COV-2)**
[72] ZUBKOVA, OLGA VADIMOVNA, RU
[72] OZHAROVSKAIA, TATIANA ANDREEVNA, RU
[72] DOLZHIKOVA, INNA VADIMOVNA, RU
[72] POPOVA, OLGA, RU
[72] SHCHEBLIAKOV, DMITRII VIKTOROVICH, RU
[72] GROUSOVA, DARIA MIKHAILOVNA, RU
[72] DZHARULLAEVA, ALINA SHAHMIROVNA, RU
[72] TUKHVATULIN, AMIR ILDAROVICH, RU
[72] TUKHVATULINA, NATALIA MIKHAILOVNA, RU
[72] SHCHERBININ, DMITRII NIKOLAEVICH, RU
[72] ESMAGAMBETOV, ILIAS BULATOVICH, RU
[72] TOKARSKAYA, ELIZAVETA ALEXANDROVNA, RU
[72] BOTIKOV, ANDREI GENNADEVICH, RU
[72] BORISEVICH, SERGEY VLADIMIROVICH, RU
[72] NARODITSKY, BORIS SAVELIEVICH, RU
[72] LOGUNOV, DENIS YURYEVICH, RU
[72] GINTSBURG, ALEKSANDR LEONIDOVICH, RU
[72] SEMIKHIN, ALEKSANDR SERGEEVICH, RU
[71] FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION, RU

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[25] EN
[54] **ANALYTE MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE D'ANALYTE**
[72] KENDALL, MARK ANTHONY FERNANCE, AU
[72] WILSON, STEPHEN JAMES, AU
[72] BREWER, ANTHONY MARK, AU
[72] MACISAAC, CALLISTO JOAN, AU
[72] PEARSON, FRANCES ELIZABETH, AU
[71] WEAROPTIMO PTY LTD, AU
[85] 2022-03-31
[86] 2020-10-01 (PCT/AU2020/051049)
[87] (WO2021/062475)
[30] AU (2019903696) 2019-10-01

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[51] **Int.Cl. B29C 48/30 (2019.01) B29C 48/36 (2019.01)**
[25] EN
[54] **THERMOPLASTIC BOARD PRODUCTION PROCESS**
[54] **PROCEDE DE PRODUCTION DE PLAQUES THERMOPLASTIQUES**
[72] FLISTER, CARLOS WALTER, BR
[72] DUCATTI FLISTER, HELMUT JOHAN, BR
[71] FLISTER, CARLOS WALTER, BR
[71] DUCATTI FLISTER, HELMUT JOHAN, BR
[71] CIRTECH GLOBAL SPA, BR
[85] 2022-03-31
[86] 2020-09-30 (PCT/BR2020/050393)
[87] (WO2021/062506)
[30] BR (BR 10 2019 020658 6) 2019-10-01

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[51] **Int.Cl. B60B 5/02 (2006.01) B60B 1/04 (2006.01) B60B 5/00 (2006.01) B60B 21/02 (2006.01) B60B 21/06 (2006.01)**
[25] EN
[54] **REINFORCED THERMOPLASTIC COMPONENTS AND METHODS OF MANUFACTURE THEREOF**
[54] **ELEMENTS THERMOPLASTIQUES RENFORCES ET LEURS PROCEDES DE FABRICATION**
[72] CHRISTENSEN, JASON, US
[72] STANISH, JOSEPH, US
[72] CHRISTENSEN, ROLAND, US
[71] CSS COMPOSITES LLC, US
[85] 2022-03-30
[86] 2020-09-29 (PCT/US2020/053314)
[87] (WO2021/067296)
[30] US (62/908,320) 2019-09-30
[30] US (62/982,611) 2020-02-27

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[13] A1
[51] **Int.Cl. E04H 3/08 (2006.01) E04B 1/343 (2006.01) E04H 1/12 (2006.01) E04H 15/20 (2006.01)**
[25] EN
[54] **PORTABLE CONTAINMENT STRUCTURE HAVING INFLATED SEALED INTERIOR SPACE**
[54] **STRUCTURE DE CONFINEMENT PORTABLE AYANT UN ESPACE INTERIEUR SCELLE GONFLE**
[72] SOLOMON, VERNON, CA
[72] STYLES, AARON, CA
[71] CONCEPTS TO SOLUTIONS INC., CA
[85] 2022-03-31
[86] 2020-10-01 (PCT/CA2020/000113)
[87] (WO2021/062515)
[30] US (62/908,864) 2019-10-01

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[13] A1
[51] **Int.Cl. C22C 21/00 (2006.01) B21C 23/02 (2006.01) C21D 1/34 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOY WITH IMPROVED EXTRUDABILITY AND CORROSION RESISTANCE**
[54] **ALLIAGE D'ALUMINIUM PRESENTANT UNE APTITUDE A L'EXTRUSION ET UNE RESISTANCE A LA CORROSION AMELIOREES**
[72] GUAY, RAYNALD, CA
[72] PARSON, NICHOLAS CHARLES, CA
[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2022-03-31
[86] 2020-10-14 (PCT/CA2020/051370)
[87] (WO2021/077209)
[30] US (62/925,314) 2019-10-24

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **PANELS WITH A DETACHABLE PROTRUDING LIP FOR WALL-, CEILING- OR FLOOR COVERINGS**
[54] **PANNEAUX POURVUS D'UNE LEVRE SAILLANTE DETACHABLE POUR REVETEMENTS MURAUX, DE PLAFOND OU DE SOL**
[72] FAHLE, DANIEL, DE
[71] XYLO TECHNOLOGIES AG, CH
[85] 2022-03-31
[86] 2019-11-07 (PCT/EP2019/080535)
[87] (WO2021/089152)

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[13] A1
[51] **Int.Cl. F24H 1/00 (2022.01) F28D 3/02 (2006.01) F28F 1/24 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER TUBES AND TUBE ASSEMBLY CONFIGURATIONS**
[54] **TUBES D'ECHANGEUR DE CHALEUR ET CONFIGURATIONS D'ASSEMBLAGE DE TUBES**
[72] GULLAPALLI, SATYA, US
[72] HOTTON, BRUCE, US
[72] GARCIA, JUAN, US
[72] AKBARIMONFARED, AMIN, US
[72] MONTANEZ, JUAN CARLOS, US
[72] WILLIAMS, KEVIN, US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2022-03-30
[86] 2020-10-02 (PCT/US2020/053895)
[87] (WO2021/067663)
[30] US (16/593,516) 2019-10-04

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[13] A1
[51] **Int.Cl. F41J 2/02 (2006.01) F42B 12/42 (2006.01) F42B 12/70 (2006.01) F42C 19/08 (2006.01)**
[25] EN
[54] **ACTIVE ELEMENT AND METHOD FOR IGNITING AN ACTIVE ELEMENT**
[54] **ELEMENT ACTIF ET PROCEDE D'ALLUMAGE D'UN ELEMENT ACTIF**
[72] KADAVANICH, VIKORN, DE
[72] HUBER, FLORIAN, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2022-03-31
[86] 2020-09-01 (PCT/EP2020/074306)
[87] (WO2021/063615)
[30] DE (10 2019 126 466.9) 2019-10-01

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[13] A1
[51] **Int.Cl. F16B 1/00 (2006.01) F16M 7/00 (2006.01) E04B 1/38 (2006.01)**
[25] EN
[54] **ANCHORING UNIT, METHOD FOR FASTENING A SYSTEM TO AN ANCHORING UNIT, AND SYSTEM UNIT WITH ANCHORING UNIT**
[54] **UNITE D'ANCRAGE, PROCEDE DE FIXATION D'UN SYSTEME A UNE UNITE D'ANCRAGE ET UNITE DE SYSTEME DOTEE D'UNE UNITE D'ANCRAGE**
[72] SPIES, ALEXANDER, DE
[72] PLOBNER, ROLAND, DE
[72] UTZ, PETER, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2022-03-31
[86] 2020-09-07 (PCT/EP2020/074925)
[87] (WO2021/063633)
[30] EP (19201068.4) 2019-10-02

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[13] A1
[51] **Int.Cl. C07C 303/06 (2006.01) C07C 309/04 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING ALKANESULFONIC ACIDS**
[54] **PROCEDE DE PRODUCTION D'ACIDES ALCANESULFONIQUES**
[72] PIEPENBREIER, FRANK, DE
[72] KEMPTER, ANDREAS, DE
[72] CHAN, CHEE,JIAN, DE
[72] MAZARRO BERDONCES, ROSARIO, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] KAIBEL, BJOERN, DE
[72] SPIELMANN, JAN, DE
[72] BORGMEIER, FRIEDER, DE
[72] ZEILINGER, MICHAEL, DE
[72] BIERTUEMPEL, INGO, DE
[72] OTT, TIMO, DE
[71] BASF SE, DE
[85] 2022-03-31
[86] 2020-09-22 (PCT/EP2020/076350)
[87] (WO2021/063730)
[30] EP (19200835.7) 2019-10-01

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[13] A1
[51] **Int.Cl. G06T 7/70 (2017.01) G01C 11/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR GENERATING A PHOTOGRAMMETRIC CORRIDOR MAP FROM A SET OF IMAGES**
[54] **PROCEDE ET DISPOSITIF DE GENERATION DE CARTE DE COULOIR PHOTOGRAMMETRIQUE A PARTIR D'UN ENSEMBLE D'IMAGES**
[72] GLIRA, PHILIPP, AT
[72] HATZL, JURGEN, AT
[72] HORNACEK, MICHAEL, AT
[72] WAKOLBINGER, STEFAN, AT
[72] BIRCHBAUER, JOSEF ALOIS, AT
[72] WINDISCH, CLAUDIA, AT
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2022-03-31
[86] 2020-09-30 (PCT/EP2020/077309)
[87] (WO2021/063989)
[30] EP (19201148.4) 2019-10-02

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[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **FLEXIBLE ANCHOR ROD**
[54] **TIGE D'ANCRAGE FLEXIBLE**
[72] ZHANG, NONG, CN
[72] WEI, QUN, CN
[72] XIE, ZHENGZHENG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2022-03-24
[86] 2019-06-11 (PCT/CN2019/090615)
[87] (WO2020/151161)
[30] CN (201910073743.4) 2019-01-25

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[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **CONSTRUCTION METHOD FOR FLEXIBLE ANCHOR ROD**
[54] **PROCEDE DE CONSTRUCTION POUR TIGE D'ANCRAGE SOUPLE**
[72] ZHANG, NONG, CN
[72] XIE, ZHENGZHENG, CN
[72] WEI, QUN, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2022-03-24
[86] 2019-06-11 (PCT/CN2019/090616)
[87] (WO2020/151162)
[30] CN (201910073740.0) 2019-01-25

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[13] A1
[51] **Int.Cl. G02F 1/01 (2006.01) G02B 30/33 (2020.01) G02B 5/18 (2006.01) G02B 27/42 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MULTIVIEW BACKLIGHT, MULTIVIEW DISPLAY, AND METHOD HAVING MICRO-SLIT MULTIBEAM ELEMENTS**
[54] **RETROECLAIRAGE MULTIVUE, DISPOSITIF D'AFFICHAGE MULTIVUE, ET PROCEDE FAISANT APPEL A DES ELEMENTS MULTIFAISCEAUX A MICRO-FENTES**
[72] FATTAL, DAVID A., US
[72] HOEKMAN, THOMAS, US
[72] BUKOWSKY, COLTON, US
[72] MA, MING, US
[71] LEIA INC., US
[85] 2022-03-30
[86] 2020-10-20 (PCT/US2020/056533)
[87] (WO2021/081004)

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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **DOWNLINK EVENT ALLOCATION IN A NETWORK**
[54] **ATTRIBUTION D'EVENEMENTS DE LIAISON DESCENDANTE DANS UN RESEAU**
[72] BARTIER, JEROME, US
[72] BARNES, KEITH, US
[72] UHLING, THOMAS, US
[72] KHALED, YACINE, US
[72] MAALLEM, KHALID, US
[71] ITRON, INC., US
[85] 2022-03-30
[86] 2020-10-30 (PCT/US2020/058289)
[87] (WO2021/087310)
[30] US (16/670,137) 2019-10-31
[30] US (16/670,046) 2019-10-31

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[13] A1
[51] **Int.Cl. B01J 32/00 (2006.01) B01J 35/02 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01)**
[25] EN
[54] **POROUS CATALYST CARRIER PARTICLES AND METHODS OF FORMING THEREOF**
[54] **PARTICULES DE SUPPORT CATALYTIQUE POREUX ET PROCEDES DE FORMATION ASSOCIES**
[72] DAHAR, STEPHEN L., US
[72] MCCARTHY, JAMES A., US
[72] SHI, JINGYU, US
[71] SAINT-GOBAIN CERAMICS & PLASTICS, INC., US
[85] 2022-03-30
[86] 2020-10-02 (PCT/US2020/070606)
[87] (WO2021/067998)
[30] US (62/910,674) 2019-10-04

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[13] A1
[51] **Int.Cl. F16K 17/04 (2006.01) B60G 15/06 (2006.01) B60G 17/08 (2006.01) F16F 9/19 (2006.01) F16F 9/34 (2006.01) F16F 9/50 (2006.01) F16F 15/28 (2006.01) F16K 31/40 (2006.01)**
[25] EN
[54] **AN ACTIVE VALVE SYSTEM HAVING MORE THAN ONE STAGE**
[54] **SYSTEME DE SOUPAPE ACTIVE AYANT PLUS D'UN ETAGE**
[72] RANDALL, CONNOR, US
[71] FOX FACTORY, INC., US
[85] 2022-03-30
[86] 2020-10-15 (PCT/US2020/055854)
[87] (WO2021/076813)
[30] US (62/915,383) 2019-10-15
[30] US (17/071,750) 2020-10-15

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[51] **Int.Cl. A23L 7/152 (2016.01) A23L 29/20 (2016.01) A23L 29/231 (2016.01) A23L 29/269 (2016.01) A23L 33/105 (2016.01) A23L 33/21 (2016.01) A21D 2/38 (2006.01)**
[25] EN
[54] **FOAMABLE COMPOSITION AND FOAM**
[54] **COMPOSITION MOUSSANTE ET MOUSSE**
[72] CHATARD, DOMINIQUE, DE
[72] JUERGENS, SANDRA, DE
[72] TREMMEL, FRANK, DE
[72] MAEDER, JENS, DE
[72] KRAUT, JUERGEN, DE
[72] BARREAU, FREDERIC, DE
[71] ADM WILD EUROPE GMBH & CO. KG, DE
[85] 2022-03-31
[86] 2020-10-02 (PCT/EP2020/077704)
[87] (WO2021/064196)
[30] EP (19201052.8) 2019-10-02

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[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) G16H 50/20 (2018.01) A61B 5/1455 (2006.01) A61B 5/01 (2006.01) A61B 5/0245 (2006.01) A61B 5/053 (2021.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EVALUATING THE QUALITY OF A PHYSIOLOGICAL SIGNAL**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE LA QUALITE D'UN SIGNAL PHYSIOLOGIQUE**
[72] PRIEM, GURVAN, FR
[72] BODINIER, QUENTIN, FR
[71] BIOSENCY, FR
[85] 2022-03-31
[86] 2020-10-02 (PCT/EP2020/077728)
[87] (WO2021/064213)
[30] EP (19306265.0) 2019-10-02

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[13] A1
[51] **Int.Cl. A01N 63/50 (2020.01) A01N 37/02 (2006.01) A01N 37/06 (2006.01) A01N 43/16 (2006.01) A01N 53/06 (2006.01) A01N 53/08 (2006.01) A01P 3/00 (2006.01) A01P 7/02 (2006.01) A01P 7/04 (2006.01)**
[25] FR
[54] **PESTICIDE SYNERGIST SX-PYR**
[54] **SYNERGISTE DE PESTICIDES SX-PYR**
[72] MBONIMPA, DENIS, BE
[71] MBONIMPA, DENIS, BE
[71] JEUNEN, CARLO, BE
[85] 2022-03-31
[86] 2020-10-05 (PCT/EP2020/077885)
[87] (WO2021/064252)
[30] BE (BE2019/5655) 2019-10-05

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTIBODIES HAVING SPECIFICITY FOR NECTIN-4 AND USES THEREOF**
[54] **ANTICORPS AYANT UNE SPECIFICITE POUR LA NECTINE -4 ET LEURS UTILISATIONS**
[72] LOPEZ, MARC, FR
[72] OLIVE, DANIEL, FR
[71] UNIVERSITE D'AIX MARSEILLE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] INSTITUT JEAN PAOLI & IRENE CALMETTES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[85] 2022-03-31
[86] 2020-10-07 (PCT/EP2020/078146)
[87] (WO2021/069508)
[30] EP (19306306.2) 2019-10-07

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[13] A1
[51] **Int.Cl. A61K 38/22 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **NPY2 RECEPTOR AGONISTS**
[54] **AGONISTES DU RECEPTEUR NPY2**
[72] HAEBEL, PETER WILHELM, DE
[72] BRENNAUER, ALBERT, DE
[72] MADSEN, CHARLOTTE STAHL, DK
[72] PEDERSEN, SOREN LJUNGBERG, DK
[72] PETERS, STEFAN, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[71] LOPAREX GERMANY GMBH & CO. KG, DE
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[54] **UNITE DE POST-EXPOSITION**
[72] STADLMANN, KLAUS, AT
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
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[54] **1,8-NAPHTHYRIDIN-2-ONE COMPOUNDS FOR THE TREATMENT OF AUTOIMMUNE DISEASE**
[54] **COMPOSES 1,8-NAPHTYRIDIN-2-ONE POUR LE TRAITEMENT D'UNE MALADIE AUTO-IMMUNE**
[72] SHEN, HONG, CN
[72] WANG, XIAOQING, CN
[72] XU, HONGTAO, CN
[72] ZHANG, ZHISEN, CN
[72] ZHU, WEI, CN
[72] ZOU, GE, CN
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[54] **APPAREIL DE STOMIE**
[72] HOGGARTH, MARCUS, GB
[72] POYNTZ, OLIVER, GB
[72] EMSLEY, KIMAHNI, GB
[72] SANGHERA, DALJINDER, GB
[71] CONVATEC LIMITED, GB
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[54] **METHOD AND APPARATUS FOR QUERYING MULTI-DIMENSIONAL DATA**
[54] **METHODE ET APPAREIL DE RECHERCHE DE DONNEES MULTIDIMENSIONNELLES**
[72] QU, QIANKUN, CN
[72] CUI, JIANMEI, CN
[72] PENG, HU, CN
[72] LI, CHENG, CN
[72] SUN, QIAN, CN
[71] 10353744 CANADA LTD., CA
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[72] POYNTZ, OLIVER, GB
[72] EMSLEY, KIMAHNI, GB
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[54] **METHODE ET APPAREIL CONTRE LA FRAUDE DANS LES ANNONCES FONDES SUR LA VERIFICATION DE CLIC**
[72] ZHAO, YONG, CN
[72] YU, CHUANJIAN, CN
[72] TANG, YIN, CN
[71] 10353744 CANADA LTD., CA
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[72] POYNTZ, OLIVER, GB
[72] EMSLEY, KIMAHNI, GB
[72] SANGHERA, DALJINDER, GB
[71] CONVATEC LIMITED, GB
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[87] (WO2021/064408)
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[54] **NON-DAIRY CRUMB AND METHOD FOR ITS MANUFACTURE**
[54] **PRODUIT ALIMENTAIRE SOUS FORME DE MIETTES SANS PRODUITS LAITIERS ET SON PROCEDE DE FABRICATION**
[72] WILLBERG, MONIKA, FI
[72] ZITTING, ANTTI-JUSSI, FI
[71] OY KARL FAZER AB, FI
[85] 2022-03-31
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[72] POYNTZ, OLIVER, GB
[72] EMSLEY, KIMAHNI, GB
[72] SANGHERA, DALJINDER, GB
[72] FEARNS, LIBERTY, GB
[71] CONVATEC LIMITED, GB
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[54] **METHOD AND EQUIPMENT FOR THE CONTINUOUS CLEANING OF A MOVING STEEL STRIP**
[54] **PROCEDE ET EQUIPEMENT POUR LE NETTOYAGE EN CONTINU D'UNE BANDE D'ACIER MOBILE**
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[72] SPONEM, FLORENT, FR
[71] ARCELORMITTAL, LU
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[54] **TREATMENT**
[54] **TRAITEMENT**
[72] RINALDI, CARLO, GB
[72] LIM, WOOI FANG, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
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[54] **ADENOVIRUS VECTORS AND USES THEREOF**
[54] **VECTEURS D'ADENOVIRUS ET LEURS UTILISATIONS**
[72] CUSTERS, JEROME HUBERTINA HENRICUS VICTOR, NL
[72] HAVENGA, MENZO JANS EMKO, NL
[72] BALLMANN, MONIKA, NL
[72] LEMCKERT, ANGELIQUE ALIDA CORINA, NL
[72] BAKER, ANDREW, GB
[72] ARNBERG, NIKLAS, SE
[72] KAJAN, GYOZO, HU
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[71] BATAVIA BIOSCIENCES B.V., NL
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[71] NIKLAS ARNBERG KONGULT AB, SE
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[54] **POLYMERIC COMPOSITION**
[54] **COMPOSITION POLYMERE**
[72] SHATTOCK, ROBIN, GB
[72] STEVENS, MOLLY, GB
[72] ZHU, YUNQING, GB
[72] BLAKNEY, ANNA, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
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[25] EN
[54] **METAL SHEET TREATMENT METHOD AND METAL SHEET TREATED WITH THIS METHOD**
[54] **PROCEDE DE TRAITEMENT DE FEUILLE METALLIQUE ET FEUILLE METALLIQUE TRAITEE A L'AIDE DE CE PROCEDE**
[72] GILBERT, FRIDA, FR
[72] RACHIELE, LYDIA, FR
[72] THAI, DELPHINE, FR
[72] ALLELY, CHRISTIAN, FR
[71] ARCELORMITTAL, LU
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[54] **GPR52 MODULATOR COMPOUNDS**
[54] **COMPOSES MODULATEURS DE GPR52**
[72] BUCKNELL, SARAH JOANNE, GB
[72] WATSON, STEPHEN PAUL, GB
[72] O'BRIEN, MICHAEL ALISTAIR, GB
[72] DE GRAAF, CHRIS, GB
[72] SWAIN, NIGEL ALAN, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
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[54] **MODULE LUMINEUX A PANNEAU PLAT AVEC FAISCEAU DYNAMIQUE**
[72] HALLACK, JASON D., US
[72] HAMLIN, BRADLEY R., US
[72] KNALLAY, TODD W., US
[72] MINIKEY, DANNY L., JR., US
[71] GENTEX CORPORATION, US
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[54] **HIGH FREQUENCY DETECTION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE DETECTION HAUTE FREQUENCE**
[72] MANN, CHRISTOPHER MARK, GB
[72] HALE, STEFAN MATTHEW, GB
[72] GREEN, LESLIE OWEN, GB
[72] HAWORTH, STEPHEN PAUL, GB
[71] THRUVISION LIMITED, GB
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[54] **HIGH FREQUENCY HETERODYNE MIXER**
[54] **MELANGEUR HETERODYNE HAUTE FREQUENCE**
[72] MANN, CHRISTOPHER MARK, GB
[72] MARSH, STEPHEN PAUL, GB
[71] THRUVISION LIMITED, GB
[85] 2022-03-31
[86] 2020-10-16 (PCT/IB2020/059777)
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[54] **A PRESS HARDENING METHOD**
[54] **PROCEDE DE DURCISSEMENT A LA PRESSE**
[72] GRIGORIEVA, RAISA, FR
[72] DUMINICA, FLORIN, BE
[72] NABI, BRAHIM, BE
[72] DRILLET, PASCAL, FR
[72] STUREL, THIERRY, FR
[71] ARCELORMITTAL, LU
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[54] **CARBON DIOXIDE RECOVERY SYSTEM AND CARBON DIOXIDE RECOVERY METHOD**
[54] **SYSTEME DE RECUPERATION DE DIOXYDE DE CARBONE ET METHODE DE RECUPERATION DE DIOXYDE DE CARBONE**
[72] NOBORISATO, TOMOKI, JP
[72] KAMIJO, TAKASHI, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2022-03-31
[86] 2020-08-03 (PCT/JP2020/029712)
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[25] EN
[54] **A COATED STEEL SUBSTRATE**
[54] **SUBSTRAT EN ACIER REVETU**
[72] VU, THI TAN, ES
[72] MEGIDO FERNANDEZ, LAURA, ES
[72] DOMINGUEZ FERNANDEZ, CARLOTA, ES
[72] RODRIGUEZ GARCIA, JORGE, ES
[72] NORIEGA PEREZ, DAVID, ES
[72] SUAREZ SANCHEZ, ROBERTO, ES
[72] BLANCO ROLDAN, CRISTINA, ES
[71] ARCELORMITTAL, LU
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[54] **HIGH TOUGHNESS HOT ROLLED AND ANNEALED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME**
[54] **TOLE D'ACIER RECUIT LAMINEE A CHAUD DE HAUTE TENACITE ET SON PROCEDE DE FABRICATION**
[72] PERLADE, ASTRID, FR
[72] ZHU, KANGYING, FR
[72] JUNG, CORALIE, FR
[72] KEGEL, FREDERIC, FR
[71] ARCELORMITTAL, LU
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[54] **MEDICAMENT PHARMACEUTIQUE CONTENANT UN DERIVE D'HETEROCYCLIDENE ACETAMIDE**
[72] TARUI, TAKESHI, JP
[72] KOBAYASHI, SHINYA, JP
[71] SENJU PHARMACEUTICAL CO., LTD., JP
[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP
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[25] EN
[54] **VEHICLE BODY STRUCTURE, REINFORCING MEMBER, AND METHOD FOR MANUFACTURING REINFORCING MEMBER**
[54] **STRUCTURE DE CARROSSERIE DE VEHICULE, ELEMENT DE RENFORCEMENT ET PROCEDE DE FABRICATION D'ELEMENT DE RENFORCEMENT**
[72] SHIMIZU, SATOSHI, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] KOMATSU, TAKASHI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2022-03-31
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[54] **LIPOSOMAL CANNABINOIDS AND USES THEREOF**
[54] **CANNABINOIDES LIPOSOMIQUES ET UTILISATIONS ASSOCIEES**
[72] BARENHOLZ, YECHEZKEL, IL
[72] CERN, AHUVA, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
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[25] EN
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[54] **STRUCTURE LATERALE DE VEHICULE**
[72] BODIN, HANS, SE
[72] ARVIDSSON, STEFAN, SE
[72] VIKLUND, ROBERT, SE
[71] AUTOTECH ENGINEERING S.L., ES
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[54] **DISPOSITIFS ET PROCEDES DE DETERMINATION DE LA POSITION D'UNE SONDE INTRAVASCULAIRE**
[72] GERSHI, ISRAEL, IL
[72] ELMAN, VLADIMIR, IL
[71] ANGIE TECHNOLOGIES LTD., IL
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[54] **SYSTEME DE DIFFUSION MULTIMEDIA**
[72] MERTENS, FRANCOIS-LOUIS, US
[71] MERTENS, FRANCOIS-LOUIS, US
[85] 2022-03-31
[86] 2020-06-03 (PCT/US2020/035857)
[87] (WO2021/066889)
[30] US (16/591,497) 2019-10-02

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[51] **Int.Cl. G16H 40/40 (2018.01) A61M 1/16 (2006.01) A61M 1/28 (2006.01)**
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[54] **MAINTENANCE NOTIFICATION FOR MEDICAL DEVICES**
[54] **NOTIFICATION DE MAINTENANCE POUR DISPOSITIFS MEDICAUX**
[72] SCHMIDT, DANIEL H., US
[72] EGLEY, BERT D., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-31
[86] 2020-08-13 (PCT/US2020/046098)
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[30] US (16/663,656) 2019-10-25

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[51] **Int.Cl. A41D 13/05 (2006.01) A42B 3/04 (2006.01) A63B 71/08 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **ARTICULATED CERVICAL SPINE AND NECK PROTECTION SYSTEM**
[54] **SYSTEME ARTICULE DE PROTECTION DE LA COLONNE CERVICALE ET DU COU**
[72] FORSELL, JUSTIN, AU
[72] PYSDEN, DAVID, AU
[72] WATSON, TIMOTHY, NZ
[71] CHIRON GLOBAL TECHNOLOGIES IP HOLDCO PTY LTD, AU
[85] 2022-04-01
[86] 2020-10-02 (PCT/AU2020/000117)
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[30] AU (2019903774) 2019-10-07

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[51] **Int.Cl. H05B 47/21 (2020.01)**
[25] EN
[54] **METHOD FOR MONITORING STATUS OF A LIGHT FIXTURE AND RELATED MONITORING MODULE AND COMPUTER PROGRAM PRODUCT**
[54] **PROCEDE DE SURVEILLANCE DE L'ETAT D'UN LUMINAIRE, MODULE DE SURVEILLANCE ASSOCIE ET PRODUIT PROGRAMME INFORMATIQUE**
[72] ROBERTS, RYAN MARK, US
[72] SILVA, PEDRO PAULO DIAS E., US
[72] NOBLES, CHARLES MILTON, US
[71] SENSUS SPECTRUM LLC, US
[85] 2022-03-31
[86] 2020-10-02 (PCT/US2020/053908)
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[51] **Int.Cl. C08G 18/00 (2006.01) C08G 18/12 (2006.01) C08G 18/48 (2006.01)**
[25] EN
[54] **POLYOL RESIN BLEND FOR USE IN PRODUCING STABLE POLYOL COMPONENTS**
[54] **MELANGE DE RESINE DE POLYOL DESTINE A ETRE UTILISE DANS LA PRODUCTION DE COMPOSANTS DE POLYOL STABLES**
[72] PHAM, DIANNE, US
[72] MEREDITH, MATTHEW T., US
[72] GRIGSBY, ROBERT A., US
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2022-03-31
[86] 2020-09-16 (PCT/US2020/050996)
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[30] US (62/909,308) 2019-10-02

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[25] EN
[54] **LIQUID PHASE REMOVAL OF TRACE OF IODIDE FROM AN ORGANIC MEDIA USING TERTIARY AMINE ION EXCHANGE ADSORBENT**
[54] **ELIMINATION EN PHASE LIQUIDE DE TRACES D'IODURE D'UN MILIEU ORGANIQUE A L'AIDE D'UN ADSORBANT D'ECHANGE D'IONS AMINE TERTIAIRE**
[72] BUREAU, CHARLES, CA
[72] VALSECCHI, BORIS, CA
[72] ROSS, JEAN-PHILIPPE, CA
[71] ENERKEM INC., CA
[85] 2022-04-01
[86] 2020-10-01 (PCT/CA2020/051314)
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[54] **METHODS AND APPARATUS TO MONITOR AND MANAGE LOADING DOCK OPERATIONS**
[54] **PROCEDES ET APPAREIL POUR SURVEILLER ET GERER DES OPERATIONS DE QUAI DE CHARGEMENT**
[72] BOWMAN, KENNETH C., US
[72] BOERGER, JAMES C., US
[72] DILLAVOU, CHAD, US
[72] MEWS, RICHARD, US
[72] KUBLY, TIMOTHY, US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2022-03-31
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[25] EN
[54] **COMBINATIONS OF GABA-A RECEPTOR POSITIVE ALLOSTERIC MODULATORS AND NMDA ANTAGONISTS, NMDA NEGATIVE ALLOSTERIC MODULATORS OR NMDA PARTIAL AGONISTS**
[54] **COMBINAISONS DE MODULATEURS ALLOSTERIQUES POSITIFS DU RECEPTEUR GABA-A ET D'ANTAGONISTES NMDA, DE MODULATEURS ALLOSTERIQUES NEGATIFS DE NMDA OU D'AGONISTES PARTIELS NMDA**
[72] LOYA, CARLOS, US
[72] HUGHES, ZOE, US
[72] REDDY, KIRAN, US
[71] PRAXIS PRECISION MEDICINES, INC., US
[85] 2022-03-31
[86] 2020-10-02 (PCT/US2020/053951)
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[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/82 (2006.01) C12P 7/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR USING GENETICALLY MODIFIED ORTHOLOGOUS ENZYMES**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION D'ENZYMES ORTHOLOGUES GENETIQUEMENT MODIFIEES**
[72] MENDEZ, MICHAEL J., US
[72] BOTSCH, KYLE, US
[72] ALTHEIDE, TASHA, US
[72] SAUNDERS, MATTHEW, US
[71] RENEW BIOPHARMA, INC., US
[85] 2022-03-31
[86] 2020-10-02 (PCT/US2020/054003)
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[25] EN
[54] **EMBOLIC RETRIEVAL CATHETER**
[54] **CATHETER D'EXTRACTION EMBOLIQUE**
[72] ROUE, CHAD C., US
[72] YANG, YI, US
[72] KHOSRAVI, FARHAD, US
[71] INCEPT, LLC, US
[85] 2022-03-31
[86] 2020-09-29 (PCT/US2020/053267)
[87] (WO2021/067264)
[30] US (16/589,563) 2019-10-01
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[25] EN
[54] **HOT-RUNNER ASSEMBLY WITH INTERNALLY COOLED AXIALLY MOUNTED ELECTRIC ACTUATOR**
[54] **ENSEMBLE CANAL CHAUFFANT DOTE D'UN ACTIONNEUR ELECTRIQUE MONTE AXIALEMENT ET REFROIDI A L'INTERIEUR**
[72] GREB, SCOTT, US
[72] JOERG, ANTON, DE
[72] STRIEGEL, CHRISTIAN, DE
[71] INCOE CORPORATION, US
[85] 2022-03-31
[86] 2020-09-30 (PCT/US2020/053452)
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[51] **Int.Cl. A01C 1/06 (2006.01) A01C 1/00 (2006.01) A23B 9/14 (2006.01)**
[25] EN
[54] **SEED TREATER WITH BAFFLES AND METHOD OF TREATING SEEDS USING SAME**
[54] **DISPOSITIF DE TRAITEMENT DE SEMENCES AVEC DEFLECTEURS ET PROCEDE DE TRAITEMENT DE SEMENCES L'UTILISANT**
[72] BAILEY, RICHARD, US
[72] BREWER, DAMIEN DOUGLAS, US
[72] MAKADIA, VALLABH, US
[72] MIGLIAZZO, MICHAEL FRANCIS, US
[72] SEYER, DANIEL JAMES, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-03-31
[86] 2020-09-30 (PCT/US2020/053539)
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[25] EN
[54] **SYSTEMS AND METHODS FOR FERTILITY PREDICTION AND INCREASING CULLING ACCURACY AND BREEDING DECISIONS**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DE FERTILITE ET D'AMELIORATION DE DECISIONS DE PRECISION DE MISE A LA REFORME ET A LA REPRODUCTION**
[72] SCHWAB, CLINT, US
[72] HERICKHOFF, LISA A., US
[72] MINTON, AMANDA, US
[72] BENNETT, CHRISTOPHER, US
[72] SCHULL, CALEB, US
[71] MEMBRANE PROTECTIVE TECHNOLOGIES, INC., US
[71] ACUITY AG SOLUTIONS. LLC, US
[85] 2022-03-31
[86] 2020-09-30 (PCT/US2020/053651)
[87] (WO2021/067512)
[30] US (62/908,743) 2019-10-01
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[54] **18-MC FOR TREATMENT OF SUBSTANCE USE DISORDERS**
[54] **18-MC POUR LE TRAITEMENT DE TROUBLES ASSOCIES A L'UTILISATION D'UNE SUBSTANCE**
[72] FREEMAN, SCOTT, US
[72] REELE, STOTS B., US
[72] BONELLE, JEANNE, US
[71] MIND MEDICINE, INC., US
[85] 2022-03-31
[86] 2020-10-01 (PCT/US2020/053726)
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[51] **Int.Cl. A61K 31/56 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS OF TREATING EOSINOPHILIC ESOPHAGITIS AND REDUCING CANDIDIASIS**
[54] **PROCEDES DE TRAITEMENT DE L'□SOPHAGITE A EOSINOPHILES ET DE REDUCTION DE LA CANDIDOSE**
[72] NEZAMIS, JAMES, US
[72] EAGLE, GINA, US
[72] MARINO, MARK, US
[72] RICHARDSON, PETER, US
[71] ELLODI PHARMACEUTICALS, L.P., US
[85] 2022-03-31
[86] 2020-10-01 (PCT/US2020/053778)
[87] (WO2021/067585)
[30] US (62/908,697) 2019-10-01
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[51] **Int.Cl. A01H 5/02 (2018.01) A23L 33/105 (2016.01) A01G 22/00 (2018.01) A01H 6/28 (2018.01) A01G 7/00 (2006.01) A01H 1/04 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07C 39/19 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **CBG MODEL FOR MANAGEMENT OF GREENHOUSE OPERATIONS AND CANNABIS PRODUCTS MADE THEREWITH**
[54] **MODELE DE CBG POUR LA GESTION D'OPERATIONS DE SERRE ET PRODUITS DE CANNABIS FABRIQUES AVEC CELUI-CI**
[72] ALSAYAR, MAX, CA
[72] ELVIRA, GEORGE, CA
[71] HEXO OPERATIONS INC., CA
[85] 2022-04-01
[86] 2020-10-02 (PCT/CA2020/051332)
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[30] US (62/909,353) 2019-10-02

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/407 (2006.01) A61K 31/437 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 25/28 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUND HAVING BRD4 INHIBITORY ACTIVITY, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE AYANT UNE ACTIVITE INHIBITRICE DE BRD4, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] XIA, LIN, CN
[72] GENG, MEIYU, CN
[72] LI, LEPING, CN
[72] DING, JIAN, CN
[72] SHEN, AIJUN, CN
[72] LIU, HONGCHUN, CN
[72] YANG, HAORAN, CN
[72] LI, YALEI, CN
[72] ZHANG, MINMIN, CN
[71] HAIHE BIOPHARMA CO., LTD., CN
[85] 2022-04-01
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[51] **Int.Cl. G10L 19/00 (2013.01)**
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[54] **METHOD AND DEVICE FOR APPLYING DYNAMIC RANGE COMPRESSION TO A HIGHER ORDER AMBISONICS SIGNAL**
[54] **PROCEDE ET DISPOSITIF POUR APPLIQUER UNE COMPRESSION DE PLAGE DYNAMIQUE A UN SIGNAL AMBIOPHONIQUE D'ORDRE SUPERIEUR**
[72] BOEHM, JOHANNES, DE
[72] KEILER, FLORIAN, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2015-03-24
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[54] **SYSTEMS AND METHODS FOR ELECTROMAGNETIC FORMING OF CONTAINERS**
[54] **SYSTEMES ET PROCEDES DE FORMATION ELECTROMAGNETIQUE DE RECIPIENTS**
[72] LEE, RICHARD H., US
[71] BELVAC PRODUCTION MACHINERY, INC., US
[22] 2015-05-04
[41] 2015-11-12
[62] 2,947,167
[30] US (61/988,214) 2014-05-04

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[25] EN
[54] **TRANSPARENT CERAMIC GARNET SCINTILLATOR DETECTOR FOR POSITRON EMISSION TOMOGRAPHY**
[54]
[72] CHEREPY, NERINE, US
[72] PAYNE, STEPHEN, US
[72] SEELEY, ZACHARY, US
[72] COHEN, PETER, US
[72] ANDREACO, MARK, US
[72] SCHMAND, MATTHIAS, US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[71] SIEMENS MEDICAL SOLUTIONS USA, INC, US
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[41] 2017-09-14
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[30] US (15/064,509) 2016-03-08

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[51] **Int.Cl. A23P 30/20 (2016.01) A23K 40/25 (2016.01) A23L 5/00 (2016.01) A23L 13/00 (2016.01) A23L 13/60 (2016.01) A23P 30/00 (2016.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAKING GOOD**
[54] **PROCEDES ET SYSTEMES DE PREPARATION D'ALIMENTS**
[72] GOLDY, GARY, US
[71] TROUW NUTRITION USA LLC, US
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[41] 2018-11-08
[62] 3,067,530
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[54] **DEVICES AND METHODS FOR BODY FLUID SAMPLING AND ANALYSIS**
[54]
[72] REYNOLDS, PAUL D., US
[72] ESCUTIA, RAUL, US
[72] LARKIN, JOHN F., US
[72] HU, CHEUNG PENG, US
[72] TOMASCO, MICHAEL F., US
[72] BLOOM, DANIEL, US
[72] VIVOLO, JOE, US
[72] WIARD, RICHARD, US
[71] INTUITY MEDICAL, INC., US
[22] 2012-08-03
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[30] US (61/514,872) 2011-08-03

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[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01) G16B 25/10 (2019.01)**
[25] EN
[54] **EPIGENETIC MARKERS OF COLORECTAL CANCERS AND DIAGNOSTIC METHODS USING THE SAME**
[54] **MARQUEURS EPIGENETIQUES DE CANCERS COLORECTAUX ET METHODES DE DIAGNOSTIC LES UTILISANT**
[72] ROSS, JASON PETER, AU
[72] DREW, HORACE, AU
[72] BUCKLEY, MICHAEL, AU
[72] MOLLOY, PETER LAURENCE, AU
[72] MITCHELL, SUSAN MARGARET, AU
[72] DUESING, KONSTA RAINER, AU
[72] XU, ZHENG-ZHOU, AU
[71] CLINICAL GENOMICS PTY. LTD., AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[22] 2011-09-13
[41] 2012-03-22
[62] 3,102,758
[30] AU (2010904116) 2010-09-13

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[54] **ZONE CONTROLLER, BUILDING GATEWAY, AND METHODS THEREOF FOR INCREASING ENERGY EFFICIENCY OF BUILDINGS**
[54]
[72] ALAGHEHBAND, REZA, DE
[72] DEL VALLE CARRASCO, RODOLFO IGNACIO, DE
[72] SUKA, SRDAN, DE
[71] ENVIO SYSTEMS GMBH, DE
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[62] 3,108,929

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[13] A1
[25] EN
[54] **DYNAMIC CONTENT AND CLOUD BASED CONTENT WITHIN COLLABORATIVE ELECTRONIC CONTENT CREATION AND MANAGEMENT TOOLS**
[54]
[72] RING, DEVON, CA
[72] D'AOUST, CHRIS, CA
[72] RICHER, MATTHEW, CA
[71] DELTEK, INC., US
[22] 2018-10-29
[41] 2019-04-30
[62] 3,022,570
[30] US (62/578,595) 2017-10-30

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[13] A1
[51] **Int.Cl. B29C 65/78 (2006.01)**
[25] EN
[54] **PIPE FUSION MACHINE**
[54] **MACHINE DE RACCORDEMENT DE TUYAUX PAR FUSION**
[72] DONALDSON, PAUL JOHN, US
[72] GREGGS, CHRISTOPHER C., US
[71] MCELROY MANUFACTURING, INC., US
[22] 2018-11-14
[41] 2019-03-28
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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 20/12 (2012.01) G06Q 20/38 (2012.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-07-21
[41] 2017-01-26
[62] 2,993,087

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[51] **Int.Cl. C08L 67/02 (2006.01) C08J 5/18 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **BIODEGRADABLE FILM**
[54] **FILM BIODEGRADABLE**
[72] SCHMIDT, HARALD, DE
[72] MATHAR, JOHANNES, NL
[72] ROLOFF, THORSTEN, DE
[72] FRIEDEK, WOLFGANG, DE
[71] BIO-TEC BIOLOGISCHE NATURVERPACKUNGEN GMBH & CO. KG, DE
[22] 2018-03-26
[41] 2018-10-11
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[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/62 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **MODIFIED STEM CELL MEMORY T CELLS, MEHTODS OF MAKING AND METHODS OF USING SAME**
[54] **CELLULES T DE MEMOIRE DE CELLULES SOUCHES MODIFIEES, PROCEDES DE FABRICATION ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] OSTERTAG, ERIC, US
[72] SHEDLOCK, DEVON, US
[71] POSEIDA THERAPEUTICS, INC., US
[22] 2017-10-02
[41] 2018-04-05
[62] 3,036,926
[30] US (62/402,707) 2016-09-30
[30] US (62/502,508) 2017-05-05
[30] US (62/553,058) 2017-08-31
[30] US (62/556,309) 2017-09-08

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[13] A1
[25] EN
[54] **REMOTE LOAD CONTROL DEVICE CAPABLE OF ORIENTATION DETECTION**
[54] **DISPOSITIF DE COMMANDE DE CHARGE A DISTANCE CAPABLE DE DETECTION D'ORIENTATION**
[72] DIMBERG, CHRIS, US
[72] GAGE, ALEXANDER WADE, US
[72] HARTE, MATTHEW V., US
[72] KILLO, JASON C., US
[72] KRESCHOLLEK, BRAD MICHAEL, US
[72] MCDONALD, MATTHEW PHILIP, US
[72] TWADDELL, DANIEL L., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[22] 2017-03-24
[41] 2017-09-28
[62] 3,018,905
[30] US (62/312,863) 2016-03-24
[30] US (62/345,222) 2016-06-03
[30] US (62/345,449) 2016-06-03
[30] US (62/345,464) 2016-06-03
[30] US (62/356,007) 2016-06-29
[30] US (62/356,179) 2016-06-29
[30] US (62/356,288) 2016-06-29
[30] US (62/411,223) 2016-10-21

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[13] A1
[51] **Int.Cl. A01B 15/16 (2006.01)**
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[54] **DISC OPENER SCRAPER WITH INSERT FOR STRAW WRAP PREVENTION, WEAR REDUCTION AND SEED GUIDANCE, AND WELDED SLOT-POSITIONED WING MEMBER**
[54] **RACLOIR DE SEMOIR A DISQUE AVEC PIECE RAPPORTEE POUR EMPECHER L'ENROULEMENT DE LA PAILLE, REDUIRE L'USURE ET GUIDER LES SEMENCES, ET ELEMENT D'AILE SOUDE POSITIONNE DANS UNE FENTE**
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[71] ATOM JET INDUSTRIES (2002) LDT., CA
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[54] **DISPOSITIF DE COMMANDE DE CHARGE A DISTANCE CAPABLE DE DETECTION D'ORIENTATION**
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[72] GAGE, ALEXANDER WADE, US
[72] HARTE, MATTHEW V., US
[72] KILLO, JASON C., US
[72] KRESCHOLLEK, BRAD MICHAEL, US
[72] MCDONALD, MATTHEW PHILIP, US
[72] TWADDELL, DANIEL L., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
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[54] **COMPOSITIONS FOR IMMUNISING AGAINST STAPHYLOCOCCUS AUREUS**
[54] **COMPOSITIONS POUR L'IMMUNISATION CONTRE LE STAPHYLOCOCCUS AUREUS**
[72] BAGNOLI, FABIO, IT
[72] BIAGINI, MASSIMILIANO, IT
[72] FIASCHI, LUIGI, IT
[72] GRANDI, GUIDO, IT
[72] MISHRA, RAVI, IT
[72] NORAIS, NATHALIE, IT
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[72] MAHESHWARI, RICHA, US
[72] MONTGOMERY, PAUL R., US
[72] SEARS, LORI, US
[72] STAUB, ANDREA J., US
[72] TANIOS, MICHAEL, US
[72] SOKOLOWSKI, SUSAN, US
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[54] **SYSTEME DE DETECTION ET DE CLASSIFICATION DE RAYONNEMENT MULTIFACETTE**
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[72] NELSON, KARL, E., US
[72] SEILHAN, BRANDON, S., US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[54] **APPAREIL DE TRANSPORT PERSONNEL**
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[72] DE GAYE, DANIEL JAMES, AU
[71] SKATE INNOVATION PTY LTD, AU
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[54] **METHOD AND SYSTEM FOR IDENTITY AND CREDENTIAL PROTECTION AND VERIFICATION VIA BLOCKCHAIN**
[54]
[72] MURPHY, ANTHONY PAUL, SG
[72] MATTINGLY, TIMOTHY WARREN, US
[72] FLOR, PETER JULIAN REYES, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **MODULAR DECK SYSTEM FOR USE WITH MOVABLE PLATFORMS**
[54] **SYSTEME DE PONT MODULAIRE DESTINE A ETRE UTILISE AVEC DES PLATES-FORMES MOBILES**
[72] BLACKSTONE, BRAD, US
[72] BRADLEY, MARK, US
[72] GALEWYRICK, SETH, US
[72] HENDERSON, DYLAN, US
[72] HOPKINS, STONIE, US
[72] LIVELY, SHANNON, US
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[54] **DISPOSITIF INDUCTIF RENFORCE AINSI QUE SYSTEMES ET PROCEDES DE PROTECTION DU DISPOSITIF INDUCTIF CONTRE DES EVENEMENTS CATASTROPHIQUES**
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[72] FISKERUD, PETTER A., US
[72] FRIMPONG, GEORGE K., US
[72] KUPIEC, RONALD A., US
[72] LAMBERT, CLAUDE J., CA
[72] MCDONALD, THOMAS, CA
[72] MCLEISH, GARY C., CA
[72] MOUSAVI, MIRRASOUL J., US
[72] PRIETO, ALBERTO, US
[72] SCHUELER, JEREMY R., US
[72] STOUPIS, JAMES, US
[72] SULLIVAN, ELIZABETH D., US
[72] TENYENHUIS, ED G., CA
[72] WALL, ANDREW J., US
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[54] **TRAITEMENT BIOLOGIQUE DE MINERAI POUR L'ISOLEMENT DE METAUX LOURDS**
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[72] CHRISTIANSEN, ANDREA, DE
[72] LU, XIN, DE
[72] MEURER, GUIDO, DE
[72] TIFFERT, YVONNE, DE
[72] GABOR, ESTHER, DE
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[54] **CLOSURE WITH ANGLED PLUG SEAL**
[54] **FERMETURE DOTEE D'UN JOINT DE BOUCHON A ANGLE**
[72] KIM, SUNGSUK STEVE, US
[71] SILGAN WHITE CAP LLC, US
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[54] **APPAREIL ET PROCEDE DE PERFUSION D'ORGANE**
[72] FREED, DARREN, CA
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[72] WOZNIAK, EVAN R., US
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[72] WEBER, DANIEL S., US
[72] RIPLEY, ANTHONY J., US
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[54] **SOLID FORMS OF A THIENOPYRIMIDINEDIONE ACC INHIBITOR AND METHODS FOR PRODUCTION THEREOF**
[54] **FORMES SOLIDES D'UN INHIBITEUR DE THIENOPYRIMIDINEDIONE ACC ET LEURS PROCEDES DE PRODUCTION**
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[72] AMEDIO, JR., JOHN C., US
[72] CALIMSIZ, SELCUK, US
[72] GEIER, MICHAEL, US
[72] HARRIMAN, GERALDINE C., US
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[72] LAWSON, JON P., US
[72] MORRISON, HENRY, US
[72] SABOURIN, KYLE, US
[72] SCOTT MARKS E., US
[72] VARGHESE, VIMAL, US
[72] VARIA, KUNAL ARVIND, US
[72] WANG, XIAOTIAN, US
[72] YANG, XIAOWEI, US
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[54] **DISPOSITIF DE LUBRIFICATION IMPLANTABLE ET METHODE DE TRAITEMENT D'UN PATIENT HUMAIN OU MAMMIFERE AU MOYEN DUDIT DISPOSITIF**
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[54] **SYSTEMES DE RMN ET PROCEDES DE DETECTION RAPIDE D'ANALYTES**
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[72] BLANCO, MATTHEW, US
[72] CHEPIN, JAMES FRANKLIN, US
[72] DEMAS, VASILIKI, US
[72] DHANDA, RAHUL, US
[72] FRITZEMEIER, MARILYN LEE, US
[72] KOH, ISAAC, US
[72] KUMAR, SONIA, US
[72] LOWERY, THOMAS JAY, JR., US
[72] MOZELESKI, BRIAN, US
[72] NEELY, LORI ANNE, US
[72] PLOURDE, DANIELLA LYNN, US
[72] RITTERSHAUS, CHARLES WILLIAM, US
[72] WELLMAN, PARRIS, US
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[72] MAJEED, MUHAMMED, IN
[72] NAGABHUSHANAM, KALYANAM, US
[72] MAJEED, SHAHEEN, US
[72] MUNDKUR, LAKSHMI, IN
[72] ARUMUGAM, SIVAKUMAR, IN
[72] PANDE, ANURAG, US
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[54]
[72] ELMORE, JAMES EDWARD, US
[72] KHATRI, VIKASH, US
[72] CHISHTI, ZIA, US
[72] KAN, ITTAI, US
[71] AFINITI, LTD., BM
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[54] **SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL LIQUID APPLICATION**
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[72] STOLLER, JASON, US
[72] MCMAHON, BRIAN, US
[72] STRNAD, MIKE, US
[72] KOCH, DALE, US
[72] MORGAN, MATT, US
[72] LEMAN, TRACY, US
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[72] KOCH, JUSTIN, US
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[54] **METHOD AND DEVICE FOR APPLYING DYNAMIC RANGE COMPRESSION TO A HIGHER ORDER AMBISONICS SIGNAL**
[54] **PROCEDE ET DISPOSITIF POUR APPLIQUER UNE COMPRESSION DE PLAGE DYNAMIQUE A UN SIGNAL AMBIOPHONIQUE D'ORDRE SUPERIEUR**
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[72] KEILER, FLORIAN, DE
[71] DOLBY INTERNATIONAL AB, NL
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[25] EN
[54] **BIOLOGICAL ORE PROCESSING FOR THE ISOLATION OF HEAVY METALS**
[54] **TRAITEMENT BIOLOGIQUE DE MINERAI POUR L'ISOLEMENT DE METAUX LOURDS**
[72] GOS, STEPHEN, DE
[72] CHRISTIANSEN, ANDREA, DE
[72] LU, XIN, DE
[72] MEURER, GUIDO, DE
[72] TIFFERT, YVONNE, DE
[72] GABOR, ESTHER, DE
[72] HOFFMANN, BENEDIKT, DE
[72] LANGER, MARTIN, DE
[71] CYPLUS GMBH, DE
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[51] **Int.Cl. C11D 3/36 (2006.01) C11D 3/08 (2006.01) C11D 3/10 (2006.01) C11D 3/386 (2006.01) C11D 7/12 (2006.01) C11D 7/14 (2006.01) C11D 7/36 (2006.01) C11D 7/42 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITIONS CONTAINING AN ENZYME STABILIZED BY PHOSPHONATES**
[54] **COMPOSITIONS DE DETERGENT CONTENANT UNE ENZYME STABILISEE PAR DES PHOSPHONATES**
[72] LO, WENDY, US
[72] OLSON, ERIK C., US
[71] ECOLAB USA INC., US
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