Canadian Intellectual Property Office
An Agency of Industry Canada

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

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 151 No. 35 August 29, 2023 Vol. 151 No. 35 le 29 août 2023

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of August 29, 2023 contains applications open to public inspection from August 13, 2023 to August 19, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 29 août 2023 contient les demandes disponibles au public pour consultation pour la période du 13 août 2023 au 19 août 2023.

Canadian Patents Issued

August 29, 2023

Brevets canadiens délivrés

29 août 2023

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[72] WALKER, ROBERT, CA
[72] NG, GEOFFREY, CA
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[54] **METHODS FOR DETECTING SIGNATURES OF DISEASE OR CONDITIONS IN BODILY FLUIDS**
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[54] **METHOD, SYSTEM AND APPARATUS FOR AUTOMATIC QUALITY CONTROL USING A PLURALITY OF COMPUTERS**
[54] **PROCEDE, SYSTEME ET APPAREIL DE CONTROLE QUALITE AUTOMATIQUE UTILISANT UNE PLURALITE D'ORDINATEURS**
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[72] STOVER, EMILY AUBAN, CA
[72] THAM, JASON DEAN, CA
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[54] **MOYEN ET PROCEDE POUR DEMONTRER LES EFFETS DE LA CORRECTION DE L'ASTIGMATISME A CYLINDRE BAS**
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[72] FRANKLIN, ROSS, US
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[72] ROSE, BEN, GB
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[73] D2L CORPORATION, CA
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[72] POPP, ANDREAS, DE
[72] PEREZ, JENNIFER M., US
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[73] VACTRONIX SCIENTIFIC, LLC, US
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[30] US (13/788,081) 2013-03-07

[11] **2,882,272**
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[25] EN
[54] **FC.GAMMA.RIIB-SPECIFIC FC REGION VARIANT**
[54] **VARIANT DE LA REGION FC SPECIFIQUE A FC.GAMMA.RIIB**
[72] KATADA, HITOSHI, JP
[72] KADONO, SHOJIRO, JP
[72] MIMOTO, FUTA, JP
[72] IGAWA, TOMOYUKI, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2015-02-17
[86] 2013-08-23 (PCT/JP2013/072507)
[87] (WO2014/030728)
[30] JP (2012-185868) 2012-08-24

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[51] **Int.Cl. G01R 31/392 (2019.01) H04W 4/38 (2018.01) G01R 31/367 (2019.01) G01R 31/40 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING A STATE OF HEALTH OF A POWER SOURCE OF A PORTABLE DEVICE**
[54] **APPAREIL ET METHODE SERVANT A DETERMINER L'ETAT DE SANTE D'UNE SOURCE D'ALIMENTATION D'UN DISPOSITIF PORTABLE**
[72] GROSS, AMIT, IL
[73] CELLEBRITE MOBILE SYNCHRONIZATION LTD., IL
[86] (2882480)
[87] (2882480)
[22] 2015-02-19
[30] US (14/187,366) 2014-02-24

[11] **2,886,794**
[13] C
[51] **Int.Cl. G06Q 30/0241 (2023.01) G06F 16/9535 (2019.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR INTERFACING SOFTWARE ENGINES**
[54] **SYSTEME, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR METTRE EN INTERFACE DES MOTEURS LOGICIELS**
[72] KELLOGG, RAWDON W., US
[73] FOUR CHARM TECHNOLOGIES, LLC, US
[85] 2015-03-31
[86] 2013-09-30 (PCT/US2013/062570)
[87] (WO2014/055395)
[30] US (13/632,277) 2012-10-01

[11] **2,887,528**
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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/7088 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **ENHANCEMENT OF THE IMMUNE RESPONSE**
[54] **RENFORCEMENT DE LA REPONSE IMMUNITAIRE**
[72] BLUMBERG, RICHARD S., US
[72] HUANG, YU-HWA, US
[73] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2015-04-08
[86] 2013-10-11 (PCT/US2013/064506)
[87] (WO2014/059251)
[30] US (61/713,203) 2012-10-12

[11] **2,887,745**
[13] C
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **FLOOR COVERING WITH REPLACEABLE FLOORBOARDS**
[54] **REVETEMENT DE PLANCHER COMPORTANT DES PLAQUES DE PLANCHER REMPLACABLES**
[72] ST-LAURENT, ANDRE, CA
[73] ST-LAURENT, ANDRE, CA
[86] (2887745)
[87] (2887745)
[22] 2015-04-09
[30] US (61/977,601) 2014-04-09

[11] **2,891,763**
[13] C
[51] **Int.Cl. C02F 3/28 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **GRAIN PROCESSING**
[54] **TRAITEMENT DE GRAINS**
[72] ROSS, JOHN MORRIS, GB
[72] LYNCH, CORNELIUS MARTIN, GB
[73] BLAYGOW LIMITED, GB
[85] 2015-05-15
[86] 2013-11-15 (PCT/GB2013/053010)
[87] (WO2014/076483)
[30] GB (1220599.3) 2012-11-16
[30] GB (1220608.2) 2012-11-16

[11] **2,892,638**
[13] C
[51] **Int.Cl. G06Q 50/10 (2012.01)**
[25] EN
[54] **SOFTWARE PLATFORM FOR OPTIMIZING THE TRADE-IN VALUE OF VEHICLES AND METHOD OF USE THEREOF**
[54] **PLATEFORME LOGICIELLE SERVANT A OPTIMISER LA VALEUR D'ECHANGE DE VEHICULES ET METHODE D'UTILISATION CONNEXE**
[72] BATTISTA, JAMES P., US
[73] BATTISTA, JAMES P., US
[86] (2892638)
[87] (2892638)
[22] 2015-05-27
[30] US (14/293,737) 2014-06-02

[11] **2,892,813**
[13] C
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6888 (2018.01) C12M 1/00 (2006.01) C12M 1/42 (2006.01) C12N 1/00 (2006.01) C12N 1/06 (2006.01) C12N 15/10 (2006.01) C12Q 1/24 (2006.01) G01N 1/28 (2006.01) G01N 33/48 (2006.01) C12N 5/078 (2010.01) C12N 13/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRETREATMENT OF MICROBIAL SAMPLES**
[54] **APPAREIL ET PROCEDE DE PRETRAITEMENT D'ECHANTILLONS MICROBIENS**
[72] ALAVIE, TINO, CA
[72] KHINE, AYE AYE, CA
[72] MAASKANT, ROBERT, CA
[72] TALEBPOUR, SAMAD, CA
[73] QVELLA CORPORATION, CA
[85] 2015-05-28
[86] 2013-11-26 (PCT/CA2013/000992)
[87] (WO2014/082160)
[30] US (61/731,809) 2012-11-30
[30] US (61/750,242) 2013-01-08
[30] US (13/833,872) 2013-03-15

[11] **2,893,086**
[13] C
[51] **Int.Cl. A61B 90/30 (2016.01) A61B 18/12 (2006.01) A61M 1/00 (2006.01) F21V 8/00 (2006.01)**
[25] EN
[54] **ILLUMINATED SUCTION APPARATUS**
[54] **APPAREIL D'ASPIRATION ILLUMINE**
[72] VAYSER, ALEX, US
[72] ERISMANN, FERNANDO, US
[72] RIMER, DOUGLAS, US
[72] ZAGATSKY, VLADIMIR, US
[73] INVUITY, INC., US
[85] 2015-05-28
[86] 2013-12-12 (PCT/US2013/074748)
[87] (WO2014/093664)
[30] US (13/712,029) 2012-12-12

[11] **2,894,060**
[13] C
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/162 (2006.01) A61M 5/168 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **INFUSION SET**
[54] **DISPOSITIF D'INFUSION**
[72] SHAKED, ASSAF, IL
[72] DEKEL, INNA, IL
[72] JAMIN, JON GUILLAUME, GB
[72] AUGUSTYN, STEPHEN EDWARD, GB
[72] FOX, STEWART MADDISON, GB
[72] NOYMER, PETER, US
[73] STEADYMED LTD., IL
[86] (2894060)
[87] (2894060)
[22] 2015-06-11

[11] **2,894,286**
[13] C
[51] **Int.Cl. B60W 30/00 (2006.01) B60W 40/105 (2012.01) B60W 30/14 (2006.01) B60W 30/18 (2012.01)**
[25] EN
[54] **REMOTE SPEED MANAGEMENT SYSTEM FOR VEHICLES**
[54] **DISPOSITIF DE GESTION A DISTANCE DE LA VITESSE DE VEHICULES**
[72] MORISSET, MICHEL R., CA
[73] MAGTEC PRODUCTS, INC., CA
[86] (2894286)
[87] (2894286)
[22] 2015-06-10
[30] US (62/010,443) 2014-06-10

[11] **2,894,414**
[13] C
[51] **Int.Cl. A61B 5/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING BLINK INHIBITION AS A MARKER OF ENGAGEMENT AND PERCEIVED STIMULUS SALIENCE**
[54] **SYSTEMES ET PROCEDES POUR DETECTER UNE INHIBITION DE CLIGNEMENT EN TANT QUE MARQUEUR D'ENGAGEMENT ET DE PREPONDERANCE DU STIMULUS PERCU**
[72] KLIN, AMI, US
[72] JONES, WARREN, US
[72] SHULTZ, SARAH, US
[73] KLIN, AMI, US
[73] JONES, WARREN, US
[73] SHULTZ, SARAH, US
[85] 2015-06-08
[86] 2013-12-11 (PCT/US2013/074487)
[87] (WO2014/093546)
[30] US (61/735,865) 2012-12-11

[11] **2,894,687**
[13] C
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[25] EN
[54] **MICROORGANISMS AND METHODS FOR ENHANCING THE AVAILABILITY OF REDUCING EQUIVALENTS IN THE PRESENCE OF METHANOL, AND FOR PRODUCING ADIPATE, 6-AMINOCAPROATE, HEXAMETHYLENEDIAMINE OR CAPROLACTAM RELATED THERETO**
[54] **MICROORGANISMES ET PROCEDES POUR AMELIORER LA DISPONIBILITE D'EQUIVALENTS REDUCTEURS EN PRESENCE DE METHANOL, ET POUR PRODUIRE DE L'ADIPATE, DU 6-AMINOCAPROATE, DE L'HEXAMETHYLENE DIAMINE OU DU CAPROLACTAME QUI LEURS SONT ASSOCIES**
[72] BURGARD, ANTHONY P., US
[72] OSTERHOUT, ROBIN E., US
[72] VAN DIEN, STEPHEN J., US
[72] TRACEWELL, CARA ANN, US
[72] PHARKYA, PRITI, US
[72] ANDRAE, STEFAN, US
[73] GENOMATICA, INC., US
[85] 2015-06-10
[86] 2013-12-16 (PCT/US2013/075287)
[87] (WO2014/099725)
[30] US (61/738,306) 2012-12-17
[30] US (61/766,620) 2013-02-19

[11] **2,894,811**
[13] C
[51] **Int.Cl. A61K 35/36 (2015.01) A61K 35/54 (2015.01) A61L 15/40 (2006.01) A61P 17/02 (2006.01)**
[25] FR
[54] **BANDAGE CONTAINING FOETAL FIBROBLASTS AND KERATINOCYTES**
[54] **PANSEMENT CONTENANT DES FIBROBLASTES ET DES KERATINOCYTES FOETAUX**
[72] DRENO, BRIGITTE, FR
[72] ZULIANI, THOMAS, FR
[72] SAIAGH, SORAYA, FR
[73] UNIVERSITE DE NANTES, FR
[73] CHU NANTES, FR
[85] 2015-06-11
[86] 2013-12-12 (PCT/EP2013/076438)
[87] (WO2014/090961)
[30] FR (1261953) 2012-12-12

[11] **2,896,619**
[13] C
[51] **Int.Cl. A61K 35/42 (2015.01) A01N 1/02 (2006.01) C12M 3/00 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **HUMAN AND LARGE-MAMMAL LUNG BIOREACTOR**
[54] **BIOREACTEUR POUR POUMON HUMAIN ET DE GRANDS MAMMIFERES**
[72] RAREDON, MICHA SAM BRICKMAN, US
[72] RAREDON, TOM, US
[72] NIKLASON, LAURA, US
[73] YALE UNIVERSITY, US
[73] RAREDON RESOURCES, INC., US
[85] 2015-06-25
[86] 2014-01-08 (PCT/US2014/010688)
[87] (WO2014/110135)
[30] US (61/750,088) 2013-01-08

[11] **2,898,899**
[13] C
[51] **Int.Cl. A47B 43/00 (2006.01) A47B 47/00 (2006.01) A47B 81/00 (2006.01) A47B 96/02 (2006.01) A47B 96/06 (2006.01) A47F 5/08 (2006.01)**
[25] EN
[54] **EXPANDABLE WALL STORAGE SYSTEM**
[54] **SYSTEME DE RANGEMENT MURAL MODULABLE**
[72] LETHAM, ERIC, CA
[73] SOLUTIONS MURALES PROSLAT INC, CA
[86] (2898899)
[87] (2898899)
[22] 2015-07-28

[11] **2,899,457**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODIES COMPRISING CHIMERIC CONSTANT DOMAINS**
[54] **ANTICORPS CONTENANT DES DOMAINES CONSTANTS CHIMERES**
[72] DAVIS, SAMUEL, US
[72] SMITH, ERIC, US
[72] PATEL, SUPRIYA, US
[72] RAFIQUE, ASHIQUE, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2015-07-27
[86] 2014-01-31 (PCT/US2014/014175)
[87] (WO2014/121087)
[30] US (61/759,578) 2013-02-01

[11] **2,901,741**
[13] C
[51] **Int.Cl. C10G 5/06 (2006.01)**
[25] EN
[54] **HYDROCARBON GAS PROCESSING**
[54] **TRAITEMENT D'HYDROCARBURES GAZEUX**
[72] ANGUIANO, J ASCENCION, US
[72] WILKINSON, JOHN D., US
[72] LYNCH, JOE T., US
[72] HUDSON, HANK M., US
[73] UOP LLC, US
[86] (2901741)
[87] (2901741)
[22] 2015-08-26
[30] US (62/045,908) 2014-09-04
[30] US (14/828,093) 2015-08-17

[11] **2,901,756**
[13] C
[51] **Int.Cl. G06Q 40/02 (2023.01)**
[25] EN
[54] **FINANCIAL ACCOUNT AUTHENTICATION**
[54] **AUTHENTIFICATION DE COMPTE FINANCIER**
[72] PANT, SHUBHA, IN
[72] NADKARNI, NIKHIL, US
[72] NAGARAJ, VINAY, US
[72] REED, JORDAN, US
[72] HAZLEHURST, PETER, US
[73] YODLEE, INC., US
[85] 2015-08-18
[86] 2014-02-21 (PCT/US2014/017703)
[87] (WO2014/130822)
[30] US (13/773,498) 2013-02-21

[11] **2,901,921**
[13] C
[51] **Int.Cl. G01R 31/392 (2019.01) G01R 31/371 (2019.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR WARNING USERS OF A DEGRADED BACKUP CAPACITY IN BATTERY PLANTS**
[54] **PROCEDES ET SYSTEMES POUR ALERTER LES UTILISATEURS D'UNE CAPACITE DE SECOURS DEGRADEE DANS DES UNITES A BATTERIE**
[72] ESSI, DAVID FERRIS, US
[73] VERTIV CORPORATION, US
[85] 2015-08-19
[86] 2014-03-06 (PCT/US2014/021306)
[87] (WO2014/158989)
[30] US (13/827,041) 2013-03-14

[11] **2,902,026**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **TAU IMMUNOTHERAPY**
[54] **IMMUNOTHERAPIE CONTRE TAU**
[72] SEUBERT, PETER, US
[72] DOLAN, PHILIP JAMES, III, US
[72] LIU, YUE, US
[72] BARBOUR, ROBIN, US
[73] PROTHENA BIOSCIENCES LIMITED, IE
[85] 2015-08-20
[86] 2014-03-12 (PCT/US2014/025044)
[87] (WO2014/165271)
[30] US (61/780,624) 2013-03-13
[30] US (61/800,382) 2013-03-15

[11] **2,902,729**
[13] C
[51] **Int.Cl. G06F 11/22 (2006.01) H04W 24/04 (2009.01) H04B 1/40 (2015.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COORDINATING FIELD USER TESTING RESULSTS FOR A MOBILE APPLICATION ACROSS VARIOUS MOBILE DEVICES**
[54] **SYSTEME ET PROCEDE DE COORDINATION DE RESULTATS PRATIQUES PAR L'UTILISATEUR POUR UNE APPLICATION MOBILE SUR DIVERS DISPOSITIFS MOBILES**
[72] MATTHEWS, JOSHUA SCOTT, US
[72] TEITELBAUM, DAVID MICHAEL, US
[73] APKUDO LLC, US
[85] 2015-08-26
[86] 2014-03-11 (PCT/US2014/022910)
[87] (WO2014/150306)
[30] US (13/837,851) 2013-03-15

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[13] C
[51] **Int.Cl. A61K 33/00 (2006.01) A61K 9/72 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **INORGANIC NITRITE TO IMPROVE CARDIOPULMONARY HEMODYNAMICS**
[54] **NITRITE INORGANIQUE POUR AMELIORER L'HEMODYNAMIQUE CARDIOPULMONAIRE**
[72] GLADWIN, MARK THOMAS, US
[72] CHAMPION, HUNTER CLAY, US
[72] PARSLEY, EDWIN, US
[73] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2015-08-27
[86] 2014-02-28 (PCT/US2014/019703)
[87] (WO2014/134585)
[30] US (61/771,063) 2013-02-28

[11] **2,903,813**
[13] C
[51] **Int.Cl. C07D 403/12 (2006.01) C07D 239/42 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/08 (2006.01) C07D 493/04 (2006.01)**
[25] EN
[54] **CARM1 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE CARM1 ET LEURS UTILISATIONS**
[72] CHESWORTH, RICHARD, US
[72] MORADEL, OSCAR MIGUEL, US
[72] SHAPIRO, GIDEON, US
[72] JIN, LEI, US
[72] BABINE, ROBERT E., US
[73] EPIZYME, INC., US
[85] 2015-09-02
[86] 2014-03-14 (PCT/US2014/028463)
[87] (WO2014/144169)
[30] US (61/794,442) 2013-03-15
[30] US (61/937,333) 2014-02-07

[11] **2,905,037**
[13] C
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH 7-BENZYL-10-(2-METHYLBENZYL)-2,6,7,8,9,10-HEXAHYDROIMIDAZO[1,2-A]PYRIDO[4,3-D]PYRIMIDIN-5(3H)-ONE**
[54] **THERAPIE COMBINEE AVEC DE LA 7-BENZYL-10-(2-METHYLBENZYL)-2,6,7,8,9,10-HEXAHYDRO-IMIDAZO[1,2-A]PYRIDO[4,3-D]PYRIMIDIN-5(3H)-ONE**
[72] STOGNIEW, MARTIN, US
[72] ALLEN, JOSHUA E., US
[72] POTTORF, RICHARD S., US
[72] NALLAGANCHU, BHASKARA, US
[72] OLSON, GARY L., US
[73] ONCOCEUTICS, INC., US
[85] 2015-09-09
[86] 2014-03-13 (PCT/US2014/025885)
[87] (WO2014/160130)
[30] US (61/779,828) 2013-03-13
[30] US (61/904,718) 2013-11-15

[11] **2,905,634**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPONENTS FOR INTEGRATING PURCHASE AND SALE OF MUTUAL FUND UNITS WITH DEALER EQUITY ORDER MANAGEMENT SYSTEMS**
[54] **METHODES, SYSTEMES ET COMPOSANTS DESTINES A L'INTEGRATION D'ACHAT ET DE VENTE D'UNITES DE FONDS COMMUNS DE PLACEMENT AUX SYSTEMES DE GESTION D'ORDRE BOURSIER DU VENDEUR**
[72] RUSSELL, JIM, CA
[72] SALCEDA, LARRY, CA
[72] INTRALIGI, PETER, CA
[72] LIU, REBECCA, CA
[72] ORR, SARAH, CA
[73] INVESCO CANADA LTD., CA
[86] (2905634)
[87] (2905634)
[22] 2015-09-28

[11] **2,906,108**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 39/28 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR MONITORING, REGULATING, OR CONTROLLING FLUID FLOW**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR CONTROLER, REGULER OU COMMANDER UN ECOULEMENT DE FLUIDE**
[72] PERET, BOB D., US
[72] YOO, BRIAN H., US
[72] KANE, DEREK G., US
[72] KAMEN, DEAN, US
[72] MURPHY, COLIN H., US
[72] KERWIN, JOHN M., US
[72] BLUMBERG, DAVID, JR., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/029020)
[87] (WO2014/144557)
[30] US (13/834,030) 2013-03-15
[30] US (61/900,431) 2013-11-06

[11] **2,906,808**
[13] C
[51] **Int.Cl. C07K 14/00 (2006.01)**
[25] EN
[54] **AFFINITY-BASED ANALYTICAL PURIFICATION OF BIOTHERAPEUTCS FOR BIOPROCESS MONITORING**
[54] **PURIFICATION ANALYTIQUE A BASE D'AFFINITE DE PRODUITS BIOTHERAPEUTIQUES POUR LA SURVEILLANCE DE BIOPROCEDE**
[72] WARIKOO, VEENA, US
[72] BROWER, KEVIN, US
[73] GENZYME CORPORATION, US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/029720)
[87] (WO2014/145065)
[30] US (61/790,676) 2013-03-15

[11] **2,907,635**
[13] C
[51] **Int.Cl. A61K 36/13 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING ARABINOGALACTAN AND POLYPHENOLS FROM LARCH TREES**
[54] **COMPOSITION COMPRENANT DE L'ARABINOGALACTANE ET DES POLYPHENOLS PROVENANT D'ARBRES DE TYPE MELEZE**
[72] FREITAS, ULLA, DE
[72] RODRIGUEZ, BRYAN, US
[73] LONZA LTD., CH
[85] 2015-09-18
[86] 2013-03-21 (PCT/EP2013/000854)
[87] (WO2013/135395)

[11] **2,908,206**
[13] C
[51] **Int.Cl. G06F 21/56 (2013.01)**
[25] EN
[54] **SYSTEMS, METHODS AND APPARATUSES FOR PROTECTION OF ANTIVIRUS SOFTWARE**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR LA PROTECTION DES LOGICIELS ANTIVIRUS**
[72] IGNATCHENKO, SERGEY, AT
[72] IVANCHYKHIN, DMYTRO, UA
[73] OLOGN TECHNOLOGIES AG, LI
[85] 2015-09-25
[86] 2014-04-04 (PCT/IB2014/060445)
[87] (WO2014/162302)
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[13] C
[51] **Int.Cl. C12N 7/01 (2006.01) A61K 35/76 (2015.01) A61K 39/23 (2006.01) A61K 48/00 (2006.01) A61P 31/00 (2006.01) A61P 37/04 (2006.01) C07K 14/015 (2006.01) C12N 7/00 (2006.01) C12N 15/35 (2006.01) C12N 15/86 (2006.01) C12N 15/864 (2006.01) C12N 15/87 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **CHIMERIC ADENO-ASSOCIATED VIRUS/ BOCAVIRUS PARVOVIRUS VECTOR**
[54] **VECTEUR CHIMERIQUE DE PARVOVIRUS A VIRUS ADENO-ASOCIE /BOCAVIRUS**
[72] YAN, ZIYING, US
[72] ENGELHARDT, JOHN F., US
[72] QIU, JIANMING, US
[73] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[73] THE UNIVERSITY OF KANSAS, US
[85] 2015-10-07
[86] 2014-04-08 (PCT/US2014/033343)
[87] (WO2014/168953)
[30] US (61/809,702) 2013-04-08

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[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/22 (2006.01) A61M 15/00 (2006.01) B65D 83/42 (2006.01)**
[25] EN
[54] **LIQUID DISPENSING AND METHODS FOR DISPENSING LIQUIDS**
[54] **DISTRIBUTION DE LIQUIDES ET PROCEDES PERMETTANT DE DISTRIBUER DES LIQUIDES**
[72] PATTON, JOHN S., US
[72] PATTON, RYAN S., US
[72] MOLLOY, LISA, US
[72] FINK, JIM, US
[73] DANCE BIOPHARM INC., US
[85] 2015-10-16
[86] 2014-04-16 (PCT/US2014/034356)
[87] (WO2014/172455)
[30] US (61/812,547) 2013-04-16
[30] US (14/254,128) 2014-04-16

[11] **2,909,833**
[13] C
[51] **Int.Cl. B64C 13/00 (2006.01) B64C 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A STATE OF A COMPONENT IN A HIGH LIFT SYSTEM OF AN AIRCRAFT, HIGH LIFT SYSTEM OF AN AIRCRAFT AND AIRCRAFT HAVING SUCH A HIGH LIFT SYSTEM**
[54] **METHODE DE DETERMINATION D'UN ETAT D'UNE COMPOSANTE DANS UN MECANISME DE SOULEVEMENT EN POSITION HAUTE ET MECANISME DE SOULEVEMENT EN POSITION HAUTE D'UN AERONEF ET AERONEF COMPORTANT UN TEL SYSTEME DE SOULEVEMENT EN POSITION HAUTE**
[72] NEB, EUGEN, DE
[72] VAN BRUGGEN, JAN-AREND, DE
[72] BRADY, MICHAEL, DE
[72] WYREMBEK, JORG, DE
[72] CRIOU, OLIVIER, DE
[72] HASERODT, JAN, DE
[72] HEINTJES, MARK, DE
[73] AIRBUS OPERATIONS GMBH, DE
[86] (2909833)
[87] (2909833)
[22] 2015-10-21
[30] EP (14 190 333.6) 2014-10-24

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[13] C
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **BACTERIAL STRAINS HAVING ANTIMICROBIAL ACTIVITY AND BIOCONTROL COMPOSITIONS COMPRISING THE SAME**
[54] **SOUCHES BACTERIENNES POSSEDANT UNE ACTIVITE ANTIMICROBIENNE ET COMPOSITIONS DE LUTTE BIOLOGIQUE LES COMPRENANT**
[72] FINLAYSON, WAYNE, AU
[72] JURY, KAREN, AU
[73] TERRAGEN HOLDINGS LIMITED, AU
[85] 2015-10-21
[86] 2014-04-22 (PCT/AU2014/050019)
[87] (WO2014/172758)
[30] US (61/815,038) 2013-04-23

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[13] C
[51] **Int.Cl. B65D 47/34 (2006.01)**
[25] EN
[54] **SAMPLE DISPENSER WITH PRIMING CRADLE**
[54] **DISTRIBUTEUR D'ECHANTILLON DOTE D'UN BERCEAU D'AMORCAGE**
[72] CVETAN, CHRISTINA DIANE, CA
[72] WILDER, ANDREW ZACHERY, US
[73] UNILEVER GLOBAL IP LIMITED, GB
[86] (2911599)
[87] (2911599)
[22] 2015-11-06
[30] US (14/880551) 2015-10-12

[11] **2,912,336**
[13] C
[51] **Int.Cl. F03D 7/00 (2006.01) F03D 17/00 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZING OPERATION OF A WIND FARM**
[54] **SYSTEMES ET METHODES D'OPTIMISATION DE L'EXPLOITATION D'UN PARC D'EOLIENNES**
[72] RAVINDRA, VISHAL CHOLAPADI, IN
[72] AMBEKAR, AKSHAY KRISHNAMURTY, IN
[72] CHANDRASHEKAR, SIDDHANTH, IN
[73] GENERAL ELECTRIC COMPANY, US
[86] (2912336)
[87] (2912336)
[22] 2015-11-19
[30] US (14/551,125) 2014-11-24

[11] **2,914,184**
[13] C
[51] **Int.Cl. B62D 55/07 (2006.01) B62D 21/00 (2006.01) B62D 21/18 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **TUNNEL GUARD FOR A SNOWMOBILE**
[54] **PROTECTEUR DE TUNNEL POUR UNE MOTONEIGE**
[72] VEZINA, SEBASTIEN, CA
[72] LAVALLEE, JEAN-SIMON, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (2914184)
[87] (2914184)
[22] 2015-11-27
[30] US (62/085,306) 2014-11-27

[11] **2,914,763**
[13] C
[51] **Int.Cl. G02F 1/15 (2019.01) G02F 1/1523 (2019.01) G02F 1/155 (2006.01)**
[25] EN
[54] **PRETREATMENT OF TRANSPARENT CONDUCTIVE OXIDE (TCO) THIN FILMS FOR IMPROVED ELECTRICAL CONTACT**
[54] **PRETRAITEMENT DE COUCHES MINCES D'OXYDE CONDUCTEUR TRANSPARENT (OCT) POUR AMELIORER LE CONTACT ELECTRIQUE**
[72] MARTIN, TODD, US
[72] DIXIT, ABHISHEK ANANT, US
[72] STRONG, FABIAN, US
[72] PRADHAN, ANSHU A., US
[73] VIEW, INC., US
[85] 2015-12-07
[86] 2014-06-12 (PCT/US2014/042178)
[87] (WO2014/201287)
[30] US (61/834,372) 2013-06-12

[11] **2,915,033**
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[51] **Int.Cl. C12Q 1/6823 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6816 (2018.01) G01N 33/53 (2006.01) C40B 30/04 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **METHODS, KITS, AND SYSTEMS FOR MULTIPLEXED DETECTION OF TARGET MOLECULES AND USES THEREOF**
[54] **PROCEDES, NECESSAIRES ET SYSTEMES POUR DETECTION MULTIPLEXE DE MOLECULES CIBLES ET LEURS UTILISATIONS**
[72] WEISSLEDER, RALPH, US
[72] AGASTI, SARIT S., US
[72] PETERSON, VANESSA M., US
[72] ULLAL, ADEETI, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2015-12-10
[86] 2014-06-03 (PCT/US2014/040731)
[87] (WO2014/200767)
[30] US (61/834,111) 2013-06-12
[30] US (61/912,054) 2013-12-05
[30] US (61/972,940) 2014-03-31

[11] **2,916,657**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS OF PERFORMING POLYMERASE CHAIN REACTION AND RELATED USES THEREOF**
[54] **PROCEDES DE REALISATION D'UNE AMPLIFICATION EN CHAINE PAR POLYMERASE ET UTILISATIONS ASSOCIEES**
[72] WITTWER, CARL, US
[72] ZHOU, LUMING, US
[72] PALAIS, ROBERT, US
[73] THE UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[73] UTAH VALLEY UNIVERSITY, US
[85] 2015-12-22
[86] 2014-06-25 (PCT/US2014/044154)
[87] (WO2014/210199)
[30] US (61/839,269) 2013-06-25

[11] **2,919,031**
[13] C
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **BEVERAGE BREWING DEVICE FOR AUTOMATICALLY BREWING AND DISPENSING SINGLE CUP QUANTITIES OF BEVERAGE THROUGH A VENDING MACHINE WITH MINIMAL MANUAL PARTICIPATION**
[54] **APPAREIL DE PREPARATION DE BOISSON DESTINE A LA PREPARATION ET A LA DISTRIBUTION AUTOMATIQUES DE QUANTITES D'UN GOBELET A LA FOIS D'UNE BOISSON PAR UNE MACHINE DISTRIBUTRICE ET DEMANDANT UNE INTERVENTION MANUELLE MINIMALE**
[72] BRANDSMA, DAVID L., US
[72] WEBSTER, JOSEPH P., US
[73] NEWCO ENTERPRISES, INC., US
[86] (2919031)
[87] (2919031)
[22] 2016-01-26
[30] US (14/544,650) 2015-01-29

[11] **2,921,382**
[13] C
[51] **Int.Cl. F02B 53/14 (2006.01) B64C 27/12 (2006.01) B64D 33/00 (2006.01) F01C 1/22 (2006.01) F02B 33/40 (2006.01) F02M 31/20 (2006.01) F02M 35/108 (2006.01)**
[25] EN
[54] **COMPOUND ENGINE ASSEMBLY WITH OFFSET TURBINE SHAFT, ENGINE SHAFT AND INLET DUCT**
[54] **ENSEMBLE DE MOTEUR COMBINE DOTE D'UN ARBRE DE TURBINE, D'UN ARBRE MOTEUR ET D'UN CONDUIT D'ENTREE DECALES**
[72] LAMARRE, SYLVAIN, CA
[72] FONTAINE, MIKE, CA
[72] JULIEN, ANDRE, CA
[72] GAUL, MICHAEL, CA
[72] THOMASSIN, JEAN, CA
[72] MITROVIC, LAZAR, CA
[72] MEDVEDEV, ILYA, RU
[72] USIKOV, SERGEY, RU
[72] ZOLOTOV, ANDREY, RU
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2921382)
[87] (2921382)
[22] 2016-02-19
[30] US (62/118,914) 2015-02-20
[30] US (14/864,096) 2015-09-24

[11] **2,921,443**
[13] C
[51] **Int.Cl. E04F 21/16 (2006.01) E04F 21/165 (2006.01)**
[25] EN
[54] **SMOOTHING TOOL**
[54] **OUTIL DE LISSAGE**
[72] KRASKOV, LEONID, AU
[73] KRASKOV, LEONID, AU
[86] (2921443)
[87] (2921443)
[22] 2016-02-19
[30] AU (2015900640) 2015-02-19

[11] **2,922,084**
[13] C
[51] **Int.Cl. C12N 15/85 (2006.01) A61D 19/04 (2006.01)**
[25] EN
[54] **EFFICIENT NON-MEIOTIC ALLELE INTROGRESSION**
[54] **INTROGRESSION EFFICACE D'ALLELE NON-MEIOTIQUE**
[72] CARLSON, DANIEL F., US
[72] FAHRENKRUG, SCOTT C., US
[73] RECOMBINETICS, INC., US
[85] 2016-02-22
[86] 2014-04-29 (PCT/US2014/035854)
[87] (WO2015/030881)
[30] US (61/870,401) 2013-08-27

[11] **2,922,250**
[13] C
[51] **Int.Cl. C10L 1/02 (2006.01) C10L 5/00 (2006.01)**
[25] EN
[54] **REACTIVE CATALYTIC FAST PYROLYSIS PROCESS AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PYROLYSE REACTIVE CATALYTIQUE RAPIDE**
[72] HOLLE, MATTHEW VON, US
[72] CARPENTER, JOHN R., US
[72] DAYTON, DAVID C., US
[73] RESEARCH TRIANGLE INSTITUTE, US
[85] 2016-02-23
[86] 2014-09-11 (PCT/US2014/055166)
[87] (WO2015/038754)
[30] US (61/876,623) 2013-09-11

[11] **2,922,398**
[13] C
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR EVALUATING AND TREATING WALDENSTROM'S MACROGLOBULINEMIA**
[54] **NETHODES D'EVALUATION ET DE TRAITEMENT DE LA MACROGLOBULINEMIE DE WALDENSTROM**
[72] TREON, STEVEN P., US
[72] HUNTER, ZACHARY, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2016-02-24
[86] 2014-09-12 (PCT/US2014/055386)
[87] (WO2015/038887)
[30] US (61/877,009) 2013-09-12
[30] US (61/889,150) 2013-10-10

[11] **2,922,673**
[13] C
[51] **Int.Cl. B66D 1/26 (2006.01) B66D 1/30 (2006.01) E21B 19/02 (2006.01)**
[25] EN
[54] **DRAW-WORKS AND METHOD FOR OPERATING THE SAME**
[54] **TREUIL DE FORAGE ET METHODE D'UTILISATION DUDIT TREUIL DE FORAGE**
[72] SORENSEN, RUNE, NO
[72] WATSON, TIMOTHY, CA
[72] RAJIC, IVAN, NO
[73] GRANT PRIDECO, INC., US
[86] (2922673)
[87] (2922673)
[22] 2016-03-03
[30] EP (15161583.8) 2015-03-30

[11] **2,922,816**
[13] C
[51] **Int.Cl. A61M 35/00 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **SYRINGE AND SYRINGE SET**
[54] **SERINGUE ET ENSEMBLE DE SERINGUES**
[72] HORITA, TAIJI, JP
[72] MATSUMOTO, IPPEI, JP
[72] SONOYAMA, TOMOYUKI, JP
[72] NISHIOKA, FUKUMITSU, JP
[72] TANIOKA, SHOUJIROU, JP
[72] NOHARA, MASAHIRO, JP
[72] TAKANO, KIYOSHI, JP
[73] TAISEI KAKO CO., LTD., JP
[73] 3-D MATRIX, LTD., JP
[85] 2016-02-29
[86] 2014-08-27 (PCT/JP2014/072456)
[87] (WO2015/030063)
[30] JP (2013-181266) 2013-09-02

[11] **2,923,142**
[13] C
[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **RETRACTABLE TOP COVERING MECHANISM**
[54] **MECANISME DE REVETEMENT SUPERIEUR RETRACTABLE**
[72] DAMSI, EVEREST, US
[72] WESCHKE, KENNETH R., JR., US
[73] TARPSTOP, LLC, US
[86] (2923142)
[87] (2923142)
[22] 2016-03-09
[30] US (62/130,390) 2015-03-09

[11] **2,923,546**
[13] C
[51] **Int.Cl. B29C 45/17 (2006.01)**
[25] EN
[54] **INJECTION MOLDING APPARATUS, METHOD, AND SYSTEM**
[54] **APPAREIL DE MOULE D'INJECTION, METHODE ET SYSTEME**
[72] JEBELY, CYRUS, CA
[72] VASSILEV, VASKO D., CA
[73] CAP-THIN MOLDS INC., CA
[86] (2923546)
[87] (2923546)
[22] 2016-03-11
[30] US (62/132,312) 2015-03-12

[11] **2,923,897**
[13] C
[51] **Int.Cl. H01L 31/0256 (2006.01) B82Y 20/00 (2011.01) C01B 32/15 (2017.01) C01B 3/02 (2006.01) H01L 31/0328 (2006.01) H01L 31/06 (2012.01)**
[25] EN
[54] **PHOTOCATHODES AND DUAL PHOTOELECTRODES FOR NANOWIRE PHOTONIC DEVICES**
[54] **PHOTOCATHODES ET PHOTOELECTRODES DOUBLES DESTINEES AUX DISPOSITIFS PHOTONIQUES NANOFILAIRES**
[72] MI, ZETIAN, CA
[72] FAN, SHIZHAO, CA
[72] ALOTAIBI, BANDAR, CA
[73] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[86] (2923897)
[87] (2923897)
[22] 2016-03-16
[30] US (62/133,588) 2015-03-16

[11] **2,923,908**
[13] C
[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/901 (2019.01) G06F 16/906 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SEARCHING LOGICAL PATTERNS**
[54] **METHODES ET SYSTEMES DE RECHERCHE DE MOTIFS LOGIQUES**
[72] HASSAN, EHTESHAM, IN
[72] YADAV, MOHIT, IN
[72] AGARWAL, PUNEET, IN
[72] SHROFF, GAUTAM, IN
[72] SRINIVASAN, ASHWIN, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[86] (2923908)
[87] (2923908)
[22] 2016-03-16
[30] IN (2351/MUM/2015) 2015-06-19

[11] **2,923,952**
[13] C
[51] **Int.Cl. H02J 1/00 (2006.01) B60L 50/60 (2019.01) B60R 16/02 (2006.01) H02J 15/00 (2006.01) H02M 3/28 (2006.01)**
[25] EN
[54] **POWER SUPPLY SYSTEM AND ENERGY STORAGE SYSTEM**
[54] **SYSTEME D'ALIMENTATION ET DE STOCKAGE D'ENERGIE**
[72] LI, FEI, CN
[73] GENERAL ELECTRIC COMPANY, US
[86] (2923952)
[87] (2923952)
[22] 2016-03-17
[30] CN (201510149774.5) 2015-03-31

[11] **2,924,905**
[13] C
[51] **Int.Cl. F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16C 33/66 (2006.01)**
[25] EN
[54] **BEARING SYSTEM WITH BEARING DAMPER**
[54] **MECANISME DE ROULEMENT DOTE D'UN ATTENUATEUR DE ROULEMENT**
[72] SAADI, ABDELKHALEK, CA
[72] HUPPE, ROGER, CA
[72] BLAIS, DANIEL, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2924905)
[87] (2924905)
[22] 2016-03-23
[30] US (14/670,661) 2015-03-27

[11] **2,925,076**
[13] C
[51] **Int.Cl. G01N 27/447 (2006.01) G03F 7/20 (2006.01) C08F 2/46 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRODUCING A SEPARATION MEDIUM USING A GRAYSCALE MASK**
[54] **METHODES ET SYSTEMES DE PRODUCTION D'UN MILIEU DE SEPARATION A L'AIDE D'UN MASQUE A ECHELLE DE GRIS**
[72] KANG, CHI-CHIH, US
[72] HERR, AMY E., US
[72] DUNCOMBE, TODD A., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2016-03-22
[86] 2014-09-24 (PCT/US2014/057274)
[87] (WO2015/048168)
[30] US (61/881,879) 2013-09-24

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[13] C
[51] **Int.Cl. B02C 23/08 (2006.01) B02C 25/00 (2006.01) B03B 1/00 (2006.01)**
[25] EN
[54] **MATERIAL PROCESSING PLANT**
[54] **USINE DE TRAITEMENT DE MATERIAUX**
[72] STEMPER, MICHAEL P., US
[72] MUMM, RYAN, US
[72] ROSS, ALEX, US
[72] SAUSER, EDWIN J., US
[73] TEREX USA, LLC, US
[86] (2925311)
[87] (2925311)
[22] 2016-03-29
[30] US (15/080,112) 2016-03-24

[11] **2,925,341**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ADAPTIVE AND CONTEXTUAL COLLABORATION IN A NETWORK**
[54] **METHODES ET SYSTEMES DE COLLABORATION ADAPTATIVE ET CONTEXTUELLE DANS UN RESEAU**
[72] SHARIF ASKARY, JAMSHID, US
[72] SELLHORN, AUGUSTO RAMON, US
[72] WANG, XIAOFENG, US
[72] MOSER, JAY TOD, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2925341)
[87] (2925341)
[22] 2016-03-30
[30] US (14/687,472) 2015-04-15

[11] **2,925,421**
[13] C
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/55 (2006.01) C07K 14/82 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **INTERLEUKIN-2 FUSION PROTEINS AND USES THEREOF**
[54] **PROTEINES HYBRIDES DE L'INTERLEUKINE-2 ET LEURS UTILISATIONS**
[72] MERCHANT, FAHAR, CA
[73] MEDICENNA THERAPEUTICS, INC., CA
[85] 2016-03-24
[86] 2014-09-24 (PCT/CA2014/050917)
[87] (WO2015/042707)
[30] US (61/881,931) 2013-09-24

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[13] C
[51] **Int.Cl. C06B 23/00 (2006.01)**
[25] EN
[54] **STABILIZED NITROCELLULOSE-BASED PROPELLANT COMPOSITION**
[54] **COMPOSITION DE GAZ PROPULSEUR A BASE DE NITROCELLULOSE STABILISEE**
[72] DEJEAIFVE, ALAIN, BE
[72] BERTON, VINCENT, BE
[72] DOBSON, ROWAN, BE
[73] PB CLERMONT SA, BE
[85] 2016-03-31
[86] 2014-10-01 (PCT/EP2014/071041)
[87] (WO2015/049286)
[30] GB (1317423.0) 2013-10-02

[11] **2,926,290**
[13] C
[51] **Int.Cl. F25D 3/08 (2006.01) A45C 11/20 (2006.01) A45F 3/00 (2006.01)**
[25] EN
[54] **INSULATED CONTAINER ASSEMBLY WITH THERMAL STORAGE ACCOMMODATION**
[54] **ENSEMBLE DE CONTENANT ISOLE A COMPARTIMENT DE RANGEMENT THERMAL**
[72] MOGIL, MELVIN, CA
[72] MITCHELL, ELIZABETH, CA
[72] KEARNS, WILLIAM, CA
[72] EDWARDS, CHRISTOPHER, CA
[72] STEPHENS, RICK, US
[73] CALIFORNIA INNOVATIONS INC., CA
[86] (2926290)
[87] (2926290)
[22] 2016-04-06
[30] US (15/091,189) 2016-04-05

[11] **2,926,314**
[13] C
[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/26 (2006.01)**
[25] EN
[54] **ACYLATED GLUCAGON ANALOGUES**
[54] **ANALOGUES ACYLES DU GLUCAGON**
[72] RIBER, DITTE, DK
[72] TOLBORG, JAKOB LIND, DK
[72] HAMPRECHT, DIETER WOLFGANG, DE
[72] RIST, WOLFGANG, DE
[73] ZEALAND PHARMA A/S, DK
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2016-04-04
[86] 2014-10-17 (PCT/EP2014/072293)
[87] (WO2015/055801)
[30] US (61/892,256) 2013-10-17

[11] **2,926,428**
[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **MONOCLONAL OLFML-3 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS MONOCLONAUX ANTI-OLFML-3 ET LEURS UTILISATIONS**
[72] IMHOF, BEAT A., CH
[72] MILJKOVIC-LICINA, MARIJANA, CH
[72] HAMMEL, PHILIPPE, CH
[73] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2016-04-05
[86] 2014-10-09 (PCT/US2014/059801)
[87] (WO2015/054441)
[30] US (61/888,759) 2013-10-09
[30] US (62/018,906) 2014-06-30

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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/074 (2010.01) C12N 5/0775 (2010.01) A61K 35/12 (2015.01) A61K 35/44 (2015.01) A61P 27/02 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING RETINAL PIGMENT EPITHELIAL CELL**
[54] **PROCEDE DE PRODUCTION DE CELLULES EPITHELIALES DE PIGMENT RETINIEN**
[72] SAWADA, MASANORI, JP
[72] TAKAHASHI, MASAYO, JP
[72] SEKIGUCHI, KIYOTOSHI, JP
[73] RIKEN, JP
[73] OSAKA UNIVERSITY, JP
[73] HEALIOS K.K., JP
[85] 2016-04-06
[86] 2014-10-09 (PCT/JP2014/077111)
[87] (WO2015/053375)
[30] JP (2013-212345) 2013-10-09

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[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **WATER SOLUBLE PHARMACEUTICAL FILM WITH ENHANCED STABILITY**
[54] **PELLICULE PHARMACEUTIQUE SOLUBLE DANS L'EAU PRESENTANT UNE STABILITE AMELIOREE**
[72] DAUD, ANWAR SIRAJ, IN
[72] SAPKAL, NIDHI PRAKASH, IN
[72] BONDE, MINAL NANDKUMAR, IN
[73] ZIM LABORATORIES LIMITED, IN
[85] 2016-04-13
[86] 2014-10-13 (PCT/IN2014/000652)
[87] (WO2015/083181)
[30] IN (3221/MUM/2013) 2013-10-14

[11] **2,927,580**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DOCUMENT DATA EXTRACTION TEMPLATE MANAGEMENT**
[54] **PROCEDE ET SYSTEME DE GESTION DE MODELE D'EXTRACTION DE DONNEES DE DOCUMENT**
[72] MADHANI, SUNIL, US
[72] SREEPATHY, ANU, IN
[72] SHENOY, MITHUN U., IN
[73] INTUIT INC., US
[85] 2016-04-14
[86] 2014-02-04 (PCT/US2014/014562)
[87] (WO2015/065511)
[30] US (14/069,795) 2013-11-01

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[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/14 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **LIMITED USE TOOL REMOVABLE ATTACHMENT COMPONENTS**
[54] **COMPOSANTES DE FIXATION AMOVIBLE D'OUTIL A USAGE LIMITE**
[72] AMAN, PETER M., US
[72] ACEVEDO, RICHARD, US
[73] AMAN, PETER M., US
[73] ACEVEDO, RICHARD, US
[86] (2927906)
[87] (2927906)
[22] 2016-04-25
[30] US (62/168,834) 2015-05-31
[30] US (15/090,612) 2016-04-04

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[13] C
[51] **Int.Cl. H01P 1/161 (2006.01) H01P 1/213 (2006.01) H01Q 13/02 (2006.01)**
[25] EN
[54] **STRUCTURAL ANTENNA MODULE INCORPORATING ELEMENTARY RADIATING FEEDS WITH INDIVIDUAL ORIENTATION, RADIATING PANEL, RADIATING ARRAY AND MULTIBEAM ANTENNA COMPRISING AT LEAST ONE SUCH MODULE**
[54] **MODULE D'ANTENNE STRUCTURALE INTEGRANT DES SOURCES RAYONNANTES ELEMENTAIRES A ORIENTATION INDIVIDUELLE, UN PANNEAU RAYONNANT, UN RESEAU RAYONNANT ET ANTENNE MULTIFAISCEAU COMPORTANT UN TEL MODULE**
[72] BOSSHARD, PIERRE, FR
[72] FERRANDO, NICOLAS, FR
[72] LAFOND, JEAN-CHRISTOPHE, FR
[73] THALES, FR
[86] (2928163)
[87] (2928163)
[22] 2016-04-20
[30] FR (1500870) 2015-04-24

[11] **2,928,847**
[13] C
[51] **Int.Cl. H02K 5/04 (2006.01) H02K 5/18 (2006.01) H02K 15/14 (2006.01)**
[25] EN
[54] **EXTRUDED HOUSING FOR ELECTRIC MOTOR**
[54] **LOGEMENT EXTRUDE DESTINE A UN MOTEUR ELECTRIQUE**
[72] HARRIS, PAUL CHARLES, GB
[72] POCOCK, EDWARD GRAHAM CHARLES, GB
[72] CLAYCOMB, CHRIS H. A., GB
[73] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[86] (2928847)
[87] (2928847)
[22] 2016-05-03
[30] EP (15178844.5) 2015-07-29

[11] **2,929,140**
[13] C
[51] **Int.Cl. H04W 4/12 (2009.01)**
[25] EN
[54] **ELECTRONIC DEVICE AND METHOD OF DETERMINING SUGGESTED RESPONSES TO TEXT-BASED COMMUNICATIONS**
[54] **APPAREIL ELECTRONIQUE ET METHODE DE DETERMINATION DE REPONSES SUGGEREES A DES COMMUNICATIONS FONDEES SUR UN TEXTE**
[72] KALKOUNIS, NICK, CA
[72] SIRCAR, SHILADITYA, CA
[73] BLACKBERRY LIMITED, CA
[86] (2929140)
[87] (2929140)
[22] 2016-05-04
[30] US (14/707,895) 2015-05-08

[11] **2,929,839**
[13] C
[51] **Int.Cl. B64C 25/26 (2006.01)**
[25] EN
[54] **LOCKING DEVICE OF AN AIRCRAFT LANDING GEAR**
[54] **DISPOSITIF DE VERROUILLAGE D'UN TRAIN D'ATTERRISSAGE D'AERONEF**
[72] HAUFLE, STEPHAN, DE
[72] BLOB, TORSTEN, DE
[72] JOCHAM, MARKUS, DE
[73] LIEBHERR-AEROSPACE LINDENBERG GMBH, DE
[86] (2929839)
[87] (2929839)
[22] 2016-05-13
[30] DE (20 2015 003 619.8) 2015-05-19

[11] **2,930,144**
[13] C
[51] **Int.Cl. E02F 3/96 (2006.01) E02F 3/00 (2006.01)**
[25] EN
[54] **AUTOMATIC POSITION LOCKING MECHANISM FOR LOADER ASSEMBLY PARKING STANDS**
[54] **MECANISME DE VERROUILLAGE DE POSITION AUTOMATIQUE DESTINE A DES SUPPORTS DE STATIONNEMENT D'APPAREIL DE CHARGEMENT**
[72] MARTINEZ, IGNACIO ALONSO, MX
[72] LINAN, JOSE RENE, MX
[72] FAIVRE, DAMIEN, FR
[73] DEERE & COMPANY, US
[86] (2930144)
[87] (2930144)
[22] 2016-05-16
[30] US (14/724,766) 2015-05-28

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[51] **Int.Cl. C07D 471/14 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **7-BENZYL-4-(2,4-DIFLUOROBENZYL)-2,4,6,7,8,9-HEXAHYDROIMIDAZO[1,2-A]PYRIDO[3,4-E] PYRIMIDIN-5(1H)-ONE, SALTS THEREOF AND PHARMACEUTICAL COMPOSITIONS THEREOF**
[54] **7-BENZYL-4-(2,4-DIFLUOROBENZYL)-2,4,6,7,8,9-HEXAHYDROIMIDAZO[1,2-A]PYRIDO[3,4-E] PYRIMIDIN-5(1H)-ONE, SELS CONNEXES ET COMPOSITIONS PHARMACEUTIQUES CONNEXES**
[72] STOGNIEW, MARTIN, US
[72] ALLEN, JOSHUA E., US
[72] POTTORF, RICHARD S., US
[72] NALLAGANCHU, BHASKARA RAO, US
[72] OLSON, GARY L., US
[73] ONCOCEUTICS, INC., US
[85] 2016-05-12
[86] 2014-09-12 (PCT/US2014/055373)
[87] (WO2015/073109)
[30] US (61/904,718) 2013-11-15
[30] US (14/208,657) 2014-03-13
[30] US (14/341,392) 2014-07-25
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[51] **Int.Cl. B60P 1/48 (2006.01) B65G 67/02 (2006.01) B66C 13/44 (2006.01) B66F 9/04 (2006.01)**
[25] EN
[54] **VEHICLE AUTOMATIC HOIST SYSTEM**
[54] **SYSTEME DE TREUIL AUTOMATIQUE POUR VEHICULE**
[72] FRANIAK, NICHOLAS S., US
[72] DOWNING, JOHN J., US
[73] WASTEQUIP, LLC, US
[86] (2930557)
[87] (2930557)
[22] 2016-05-18
[30] US (62/168,154) 2015-05-29

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[13] C
[51] **Int.Cl. B60G 17/017 (2006.01) B60G 17/00 (2006.01)**
[25] FR
[54] **LOWERING DEVICE FOR THE BODY OF A VEHICLE INCLUDING THE MEANS TO DETECT A HIGH POSITION**
[54] **DISPOSITIF D'ABAISSEMENT DE LA CAISSE D'UN VEHICULE COMPORTANT UN MOYEN DE DETECTION DE LA POSITION HAUTE**
[72] POURCHON, XAVIER, FR
[73] SOCIETE INDUSTRIELLE DE PREFABRICATION ELECTRIQUE SIPREL, FR
[86] (2930721)
[87] (2930721)
[22] 2016-05-19
[30] FR (15/54628) 2015-05-22

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[13] C
[51] **Int.Cl. E03C 1/23 (2006.01) A47K 1/14 (2006.01) E03C 1/22 (2006.01)**
[25] EN
[54] **WASTEWATER DRAIN STOPPER SYSTEM**
[54] **MECANISME D'ARRET D'EVACUATION D'EAUX USEES**
[72] BALL, WILLIAM T., US
[72] PILARCZYK, ERIC, US
[73] WCM INDUSTRIES, INC., US
[86] (2931863)
[87] (2931863)
[22] 2016-06-03
[30] US (62/171,656) 2015-06-05

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[13] C
[51] **Int.Cl. C12H 1/22 (2006.01) A23L 2/00 (2006.01) B65D 6/12 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AGING LIQUIDS**
[54] **APPAREIL ET PROCEDE DE VIEILLISSEMENT DE LIQUIDES**
[72] KARASCH, RUSSELL D., US
[73] KARASCH, RUSSELL D., US
[86] (2932136)
[87] (2932136)
[22] 2016-06-03
[30] US (14/545,667) 2015-06-05

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[51] **Int.Cl. H04W 8/14 (2009.01)**
[25] EN
[54] **DISCOVERY SIGNAL (DS) TRANSMISSION SCHEME IN A DEVICE-TO-DEVICE (D2D) COMMUNICATION AMONG USER EQUIPMENT (UE)**
[54] **TECHNIQUE D'EMISSION DE SIGNAL DE DECOUVERTE (DS) DANS UNE COMMUNICATIONDE DISPOSITIF A DISPOSITIF (D2D) ENTRE L'EQUIPEMENT DES UTILISATEURS (UE)**
[72] SHI, FEI, CN
[73] SISVEL INTERNATIONAL S.A., LU
[85] 2016-06-01
[86] 2014-08-29 (PCT/CN2014/085496)
[87] (WO2015/043357)
[30] CN (201310446296.5) 2013-09-26

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[13] C
[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **PESTICIDAL FUSION PROTEIN IMPROVEMENTS**
[54] **AMELIORATIONS DE PROTEINES DE FUSION PESTICIDES**
[72] FITCHES, ELAINE CHARLOTTE, GB
[72] GATEHOUSE, JOHN ARTHUR, GB
[72] PYATI, PRASHANT SHIVASHARAN, GB
[72] YANG, SHENG, GB
[73] UNIVERSITY OF DURHAM, GB
[73] THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS, GB
[85] 2016-06-06
[86] 2014-12-11 (PCT/GB2014/053663)
[87] (WO2015/087073)
[30] GB (1321938.1) 2013-12-11

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[13] C
[51] **Int.Cl. D03C 3/00 (2006.01)**
[25] FR
[54] **DRIVER BLADE FOR HOOKS BELONGING TO A JACQUARD MECANISM AND JACQUARD MECANISM INCLUDING SUCH A BLADE**
[54] **LAME D'ENTRAINEMENT DE CROCHETS APPARTENANT A UNE MECANIQUE JACQUARD ET MECANIQUE JACQUARD COMPRENANT UNE TELLE LAME**
[72] PRZYTARSKI, PATRICE, FR
[72] DURAND-PEYRE, SYLVAIN, FR
[73] STAUBLI LYON, FR
[86] (2932963)
[87] (2932963)
[22] 2016-06-13
[30] FR (15 55 696) 2015-06-22

[11] **2,933,538**
[13] C
[51] **Int.Cl. G07F 7/08 (2006.01)**
[25] EN
[54] **FIXED TERMINAL TRANSFORMABLE INTO A FIXED/PORTABLE TERMINAL, AND ASSOCIATED METHOD OF TRANSFORMATION AND AUTONOMY MANAGEMENT SYSTEM**
[54] **TERMINAL FIXE TRANSFORMABLE EN TERMINAL FIXE/PORTATIF ET METHODE ASSOCIEE DE SYSTEME DE GESTION DE LA TRANSFORMATION ET L'AUTONOMIE**
[72] JANOT, CYRIL, FR
[72] GEORGES, DIDIER, FR
[72] WOLFF, CAROLINE, FR
[72] SOUBIRANE, ALAIN, FR
[72] NEVEU, LUDOVIC, FR
[72] LEBONNOIS, ETIENNE, FR
[72] ESTORGES, STEPHANE, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[86] (2933538)
[87] (2933538)
[22] 2016-06-16
[30] FR (1555639) 2015-06-19

[11] **2,934,265**
[13] C
[51] **Int.Cl. C02F 1/50 (2006.01) C02F 1/76 (2006.01)**
[25] EN
[54] **CHEMICAL INJECTION AND CONTROL SYSTEM AND METHOD FOR CONTROLLING CHLORAMINES**
[54] **SYSTEME DE CONTROLE ET D'INJECTION DE PRODUIT CHIMIQUE ET METHODE DE CONTROLE DES CHLORAMINES**
[72] SIMMONS, BRENT A., US
[73] PROCESS SOLUTIONS, INC., US
[86] (2934265)
[87] (2934265)
[22] 2016-06-10
[30] US (15/177967) 2016-06-09
[30] US (62/174803) 2015-06-12

[11] **2,934,397**
[13] C
[51] **Int.Cl. E06B 1/40 (2006.01) E06B 5/00 (2006.01) E06B 7/28 (2006.01) E06B 11/02 (2006.01)**
[25] FR
[54] **HOISTWAY DOOR WING FOR DOCK INCLUDING A PANE, ASSOCIATED INSTALLATION AND REMOVAL PROCESSES OF THE PANE FROM THE DOCK**
[54] **VANTAIL DE PORTE PALIERE DE QUAI COMPORTANT UNE VITRE ET PROCEDES DE POSE ET DE DEPOSE DEPUIS LE QUAI DE LA VITRE ASSOCIES**
[72] BOURBON, BRUNO, FR
[73] FAIVELEY TRANSPORT TOURS, FR
[86] (2934397)
[87] (2934397)
[22] 2016-06-27
[30] EP (15 306 096.7) 2015-07-03

[11] **2,934,438**
[13] C
[51] **Int.Cl. G06F 3/0338 (2013.01) G06F 3/0354 (2013.01) G05G 9/04 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **A USER INTERFACE DEVICE FOR AN INTERACTIVE DEVICE**
[54] **UN DISPOSITIF D'INTERFACE UTILISATEUR DESTINE A UN DISPOSITIF INTERACTIF**
[72] WILD, JENNIFER ALISON, GB
[72] WILD, ANDREW MICHAEL, GB
[72] WILD, CLAIRE CATHARINE, GB
[72] WILD, HARRIET VICTORIA, GB
[72] WILD, TERESA KATHLEEN, GB
[73] WILD, JENNIFER ALISON, GB
[73] WILD, ANDREW MICHAEL, GB
[73] WILD, CLAIRE CATHARINE, GB
[73] WILD, HARRIET VICTORIA, GB
[73] WILD, TERESA KATHLEEN, GB
[85] 2016-06-17
[86] 2014-12-05 (PCT/GB2014/053623)
[87] (WO2015/092361)
[30] GB (1322623.8) 2013-12-19

[11] **2,935,199**
[13] C
[51] **Int.Cl. H04W 76/14 (2018.01) H04W 12/02 (2009.01) H04W 12/033 (2021.01) H04W 12/069 (2021.01) H04B 5/00 (2006.01)**
[25] EN
[54] **COMMUNICATION DEVICE, METHOD AND SYSTEM FOR ESTABLISHING COMMUNICATIONS USING THE SUBSCRIBER IDENTITY DATA OF ANOTHER COMMUNICATION DEVICE**
[54] **DISPOSITIF DE COMMUNICATION, METHODE ET SYSTEME D'ETABLISSEMENT DE COMMUNICATION AU MOYEN DE DONNEES D'IDENTITE D'ABONNE D'UN AUTRE DISPOSITIF DE COMMUNICATION**
[72] LOMBARDI, ROBERT JOSEPH, CA
[72] MULAOSMANOVIC, JASMIN, CA
[73] BLACKBERRY LIMITED, CA
[86] (2935199)
[87] (2935199)
[22] 2016-06-30
[30] US (14/845,523) 2015-09-04

[11] **2,935,777**
[13] C
[51] **Int.Cl. G16B 40/10 (2019.01) G16B 50/00 (2019.01) G16C 20/70 (2019.01)**
[25] FR
[54] **METHOD FOR PROCESSING MOLECULAR IMAGING DATA AND CORRESPONDING DATA SERVER**
[54] **PROCEDE DE TRAITEMENT DE DONNEES D'IMAGERIE MOLECULAIRE ET SERVEUR DE DONNEES CORRESPONDANT**
[72] PAMELARD, FABIEN, FR
[72] STAUBER, JONATHAN M., FR
[73] IMABIOTECH, FR
[85] 2016-07-04
[86] 2015-01-09 (PCT/FR2015/050051)
[87] (WO2015/104512)
[30] FR (1450176) 2014-01-10

[11] **2,935,842**
[13] C
[51] **Int.Cl. H02B 1/015 (2006.01) H02B 1/056 (2006.01) H02B 1/20 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **DOORLESS MODULAR PANELBOARD**
[54] **PANNEAU MODULAIRE SANS PORTE**
[72] MITTELSTADT, CHAD R., US
[73] SCHNEIDER ELECTRIC USA, INC., US
[86] (2935842)
[87] (2935842)
[22] 2016-07-11
[30] US (14/802.700) 2015-07-17

[11] **2,936,344**
[13] C
[51] **Int.Cl. B65B 11/00 (2006.01) B65B 11/58 (2006.01) B65D 5/56 (2006.01)**
[25] EN
[54] **SUSTAINABLE PACKAGING SYSTEM AND METHOD THEREOF**
[54] **SYSTEME D'EMBALLAGE DURABLE ET METHODE ASSOCIEE**
[72] FRANCO, DAVID LOUIS, US
[72] RUIZ, ANDRES, US
[73] FRANCO MANUFACTURING CO. INC., US
[86] (2936344)
[87] (2936344)
[22] 2016-07-15
[30] US (15/146,181) 2016-05-04

[11] **2,936,544**
[13] C
[51] **Int.Cl. B60W 40/00 (2006.01) B60W 40/02 (2006.01) B60W 40/10 (2012.01)**
[25] EN
[54] **SPEED CONTROL DISPLAY SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'AFFICHAGE DE CONTROLE DE LA VITESSE**
[72] SCOTT, DAVID J., US
[73] KOMATSU AMERICA CORP., US
[86] (2936544)
[87] (2936544)
[22] 2016-07-19
[30] US (14/815,468) 2015-07-31

[11] **2,936,599**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE CONTAINMENT ENVELOPE**
[54] **ENVELOPPE DE CONFINEMENT AJUSTABLE**
[72] HOLTBY, QUINN A. J., CA
[73] KATCH KAN HOLDINGS LTD., CA
[86] (2936599)
[87] (2936599)
[22] 2016-07-20
[30] US (62194549) 2015-07-20

[11] **2,936,620**
[13] C
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 37/46 (2006.01) A01N 47/28 (2006.01) A01N 47/30 (2006.01) A01N 59/06 (2006.01) A01N 59/16 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **AGROCHEMICAL COMPOSITION COMPRISING A N,N'-DISUBSTITUTED (THIO)UREA FOR THE IMPROVEMENT OF CROP PRODUCTIVITY**
[54] **COMPOSITION AGROCHIMIQUE A BASE DE (THIO)UREE N,N'-DISUBSTITUEE POUR AMELIORER LA PRODUCTIVITE DE CULTURES**
[72] PAPADOPOULOS, APOSTOLOS, GB
[73] INTRACROP LIMITED, GB
[85] 2016-07-12
[86] 2015-01-14 (PCT/GB2015/050059)
[87] (WO2015/107336)
[30] GB (1400557.3) 2014-01-14

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[13] C
[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/10 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) C07K 14/705 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **VISTA ANTAGONIST AND METHODS OF USE**
[54] **ANTAGONISTE DE VISTA ET PROCEDES D'UTILISATION**
[72] SPALLER, MARK, US
[72] CEERAZ, SABRINA, US
[72] LEMERCIER, ISABELLE, US
[72] NOWAK, ELIZABETH, US
[72] WANG, LI, US
[72] NOELLE, RANDOLPH J., US
[72] LINES, JANET, US
[73] KINGS COLLEGE LONDON, GB
[73] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2016-07-14
[86] 2015-01-23 (PCT/US2015/012752)
[87] (WO2015/109340)
[30] US (61/927,061) 2014-01-14
[30] US (14/534,793) 2014-11-06

[11] **2,937,521**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 31/4439 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION OF A PD-1 ANTAGONIST AND A VEGFR INHIBITOR FOR TREATING CANCER**
[54] **ASSOCIATION D'UN ANTAGONISTE DU PD-1 ET D'UN INHIBITEUR DU VEGFR POUR TRAITER LE CANCER**
[72] MARTINI, JEAN-FRANCOIS ANDRE, US
[72] TARAZI, JAMAL CHRISTO, US
[72] PERINI, RODOLFO FLEURY, US
[72] MAURO, DAVID J., US
[73] PFIZER, INC., US
[73] MERCK SHARP & DOHME LLC, US
[85] 2016-07-20
[86] 2015-02-03 (PCT/US2015/014212)
[87] (WO2015/119930)
[30] US (61/935,809) 2014-02-04

[11] **2,938,324**
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[72] FLENKER, KATIE R., US
[72] KIM, HYEON, US
[72] HORSWILL, ALEXANDER R., US
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[54] **PROCEDES ET COMPOSITIONS UTILISANT DU CINNAMALDEHYDE ET DU ZINC POUR LA GESTION DU POIDS**
[72] MICHLIG GONZALEZ, STEPHANIE, CH
[72] MEYLAN MERLINI, JENNY, CH
[72] BURBIDGE, ADAM, CH
[72] LE COUTRE, JOHANNES, CH
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[54] **SYSTEMES ET PROCEDES DE MISE A DISPOSITION DE RESSOURCES**
[72] DAGEVILLE, BENOIT, US
[72] CRUANES, THIERRY, US
[72] ZUKOWSKI, MARCIN, US
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[54] **GENERATION D'ELECTRICITE DESTINEE A DES SYSTEMES D'ANDAINEUSE A PARTIR DE L'ARBRE ARRIERE D'UNE MOISSONNEUSE ANDAINEUSE**
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[73] DEERE & COMPANY, US
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[72] DELEERS, MICHEL, BE
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[73] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **METHODES ET APPAREIL D'ANALYSE ET AGGREGATION ADAPTATIVES MULTICAPTEUR**
[72] DEGNAN, JOHN JAMES, US
[72] SIROTA, JACOBO MARCOS, US
[72] FITZSIMMONS, KATHLEEN MARIE, US
[72] FIELD, CHRISTOPHER TREADWELL, US
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[54] **SYSTEME ET PROCEDE D'AFFICHAGE DE LISTES DE MESSAGES OU D'UTILISATEURS**
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[54] **UTILISATION D'UN ADDITIF DE TYPE ESTER ET D'UN ASPHALTE DE QUALITE PAVAGE DANS LA PREPARATION D'UNE COMPOSITION D'ETANCHEITE MULTICOUCHE PAR FEUTRE BITUME**
[72] LEWANDOWSKI, LAURAND H., US
[72] QUINN, ROBERT EDWIN, US
[72] FRANZEN, MICHAEL R., US
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[54] **SYSTEME ET PROCEDE PERMETTANT L'IDENTIFICATION DE SOURCE FOCALE**
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[72] GIZURARSON, SIGFUS, IS
[72] DALVI, RUPIN HAILY, CA
[73] UNIVERSITY HEALTH NETWORK, CA
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[54] **DERIVES D'ACRYLAMIDE SUBSTITUE ET D'ETHENESULFONAMIDE SUBSTITUE ET COMPOSITIONS PHARMACEUTIQUES CONNEXES UTILES COMME AGENTS DE CIBLAGE AMYLOIDE**
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[72] SARRAF, STELLA, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **BOITIER ELECTRIQUE DOTE D'UNE STRUCTURE DE VENTILATION**
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[72] ENSLEY, JEFF B., US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[72] BURTON, DOUGLAS, US
[72] SMITH, BARRY, US
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[54] **SYSTEMES ET PROCEDES DE DETECTION ET D'IDENTIFICATION D'UNE FORMATION D'ARC D'APRES UNE ANALYSE NUMERIQUE**
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[72] STOYER, DOUGLAS EARL, US
[72] HANSEN, TERRY LEE, US
[73] SKYLINE PRODUCTS, INC., US
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[72] ANDERSON, KAARE JOSEF, US
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[72] HONGERHOLT, DERRICK D., US
[72] KUNIK, WILLIAM, US
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[54] **OLIGOMERES POLYNUCLEOTIDIQUES DE CYTOSINE MODIFIEE ET PROCEDES CORRESPONDANTS**
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[72] LOKHOV, SERGEY G., US
[72] PODYMINOGIN, MIKHAIL A., US
[72] VIAZOVKINA, EKATERINA V., US
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[72] LOMAX, FRANKLIN D., US
[72] LEMOS, RAFAEL S., US
[72] HOUNG, DAVID, US
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[54] **DETECTION DE MUTATIONS ET DE LA PLOIDIE DANS DES SEGMENTS CHROMOSOMIQUES**
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[72] CONSTANTIN, TUDOR POMPILIU, US
[72] EUBANK, LANE A., US
[72] GEMELOS, GEORGE, US
[72] HILL, MATTHEW MICAH, US
[72] KIRKIZLAR, HUSEYIN ESER, US
[72] RABINOWITZ, MATTHEW, US
[72] SAKARYA, ONUR, US
[72] SIGURJONSSON, STYRMIR, US
[72] ZIMMERMANN, BERNHARD, US
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[54] **LUNETTES DE COMPENSATION VISUELLE ET PROCEDE DE REFRACTION SUBJECTIVE D'UN INDIVIDU PORTANT CES LUNETTES**
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[72] TEJEDOR DEL RIO, VINCENT, FR
[72] NAUCHE, MICHEL, FR
[73] ESSILOR INTERNATIONAL, FR
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[54] **SYSTEME DE DIAGNOSTIC D'INTERRUPTEUR DE CIRCUIT**
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[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **TANK INCORPORATING A FRAME STRUCTURE MADE OF THERMAL INSULATION MATERIAL**
[54] **RESERVOIR INTEGRANT UNE STRUCTURE DE CHARPENTE FAITE D'UN MATERIAU D'ISOLATION THERMIQUE**
[72] BEHRUZI, KEI-PHILIPP, DE
[72] DE ROSE, FRANCESCO, DE
[73] AIRBUS DS GMBH, DE
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[54] **PRECHAUFFAGE A DISTANCE ET GENERATION DE VAPEUR DE PUITS SUR PLATEFORME**
[72] ZHANG, JINGWEI, US
[72] MACADAM, SCOTT, US
[73] CONOCOPHILLIPS COMPANY, US
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[54] **ANALYTE LEVEL CALIBRATION USING BASELINE ANALYTE LEVEL**
[54] **ETALONNAGE DE NIVEAU DE SUBSTANCE A ANALYSER A L'AIDE D'UN NIVEAU DE SUBSTANCE A ANALYSER DE LIGNE DE BASE**
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[54] **SYSTEMS AND METHODS FOR FLEXIBLY SECURING CARD DATA**
[54] **SYSTEMES ET METHODES DE SECURISATION FLEXIBLE DES DONNEES DE CARTE**
[72] HULL, RALPH GRAYSON, IV, US
[72] MANNING, DANIEL DAVID, US
[72] TODD, JASON, US
[72] WEBB, TIMOTHY WAYNE, US
[72] JOHNSON, AARON MARCUS, US
[73] WALMART APOLLO, LLC, US
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[54] **AGONISTES DU RECEPTEUR DE L'APELINE (APJ) ET LEURS UTILISATIONS**
[72] RUNYON, SCOTT P., US
[72] MAITRA, RANGAN, US
[72] NARAYANAN, SANJU, US
[72] THOMAS, JAMES BARNWELL, US
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[54] **DETERMINING QUANTIZATION PARAMETER (QP) VALUES AND DELTA QP VALUES FOR PALETTE CODED BLOCKS IN VIDEO CODING**
[54] **DETERMINATION DE VALEURS DE PARAMETRES DE QUANTIFICATION (QP) ET DE VALEURS QP DELTA POUR DES BLOCS DE PALETTE CODES DANS UN CODAGE VIDEO**
[72] PU, WEI, US
[72] SOLE ROJALS, JOEL, US
[72] JOSHI, RAJAN LAXMAN, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
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[54] **APPARATUS AND METHOD OF IDENTIFYING AN OVERSTATED PERPETUAL INVENTORY IN A RETAIL SPACE**
[54] **APPAREIL ET PROCEDE D'IDENTIFICATION D'UN INVENTAIRE PERMANENT SUREVALUE DANS UN ESPACE DE DETAIL**
[72] JONES, MATTHEW A., US
[72] TAYLOR, ROBERT J., US
[72] SNELGROVE, ROGER, US
[72] TRIPATHI, RAHUL, US
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[54] **GANT DE PROTECTION PRESENTANT DES SECTIONS EXTERIEURES RENFORCEES**
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[72] CORNELISON, PAUL W., US
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[54] **ACTIVE DAMPING OF SYNCHRONOUS GRID OSCILLATIONS USING PARTIAL POWER CONVERTER**
[54] **ATTENUATION ACTIVE D'OSCILLATIONS DE RESEAU SYNCHRONE AU MOYEN D'UN CONVERTISSEUR DE SECTEUR PARTIEL**
[72] BLACKWELDER, MARK JON, US
[72] RANCURET, PAUL M, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
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[54] **DETERMINATION DE L'APPLICATION D'UN FILTRE DE DEGROUPAGE SUR DES BLOCS CODES PAR PALETTE, DANS UN CODAGE VIDEO**
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[72] SOLE ROJALS, JOEL, US
[72] JOSHI, RAJAN LAXMAN, US
[72] KARCZEWICZ, MARTA, US
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[54] **ANTAGONISTES DE CYP2J2 POUR LE TRAITEMENT DE LA DOULEUR**
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[72] BRENNEIS, CHRISTIAN, DE
[72] SCHOLICH, KLAUS, DE
[72] GEISSLINGER, GERD, DE
[72] ZINN, SEBASTIAN, DE
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[72] ROBERTS, EDGAR E., US
[73] YALE SECURITY, INC., US
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[25] EN
[54] **MOLECULAR SIEVE CATALYST COMPOSITIONS, CATALYTIC COMPOSITES, SYSTEMS, AND METHODS**
[54] **COMPOSITIONS CATALYTIQUES A TAMIS MOLECULAIRE, COMPOSITES CATALYTIQUES, SYSTEMES ET PROCEDES**
[72] YANG, XIAOFAN, US
[72] HOCHMUTH, JOHN K., US
[72] XUE, WEN-MEI, US
[72] WANG, XIAOMING, US
[72] CAUDLE, MATTHEW TYLER, US
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[54] **UNIVERSAL CHIMERIC ANTIGEN RECEPTOR EXPRESSING IMMUNE CELLS FOR TARGETING OF DIVERSE MULTIPLE ANTIGENS AND METHOD OF MANUFACTURING THE SAME AND USE OF THE SAME FOR TREATMENT OF CANCER, INFECTIONS AND AUTOIMMUNE DISORDERS**
[54] **RECEPTEUR D'ANTIGENE CHIMERIQUE UNIVERSEL EXPRIMANT DES CELLULES IMMUNO-COMPETENTES POUR LE CIBLAGE DE DIVERS ANTIGENES MULTIPLES ET SON PROCEDE DE FABRICATION ET SON UTILISATION POUR LE TRAITEMENT DU CANCER, DES INFECTIONS ET DES TROUBLES AUTO-IMMUNS**
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[54] **ANTICORPS ANTI-PD-L1 ET LEURS UTILISATIONS**
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[72] KOWANETZ, MARCIN, US
[72] BOYD, ZACHARY, US
[72] KOEPPEN, HARTMUT, US
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[54] **COLLIER DE BIJOUTERIE PERSONNALISABLE**
[72] PERULLO, DAVID, US
[72] RAUCH, SCOTT H., US
[73] RAUCH, SCOTT H., US
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[54] **ASSOCIATION DE VIRUS ONCOLYTIQUES AYANT DES MODULATEURS DE POINTS DE CONTROLE IMMUNITAIRES**
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[72] PREVILLE, XAVIER, FR
[72] FEND, LAETITIA, FR
[73] TRANSGENE SA, FR
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[54] **DISPOSITIF ET METHODE DE POSE D'IMPLANT OCULAIRE**
[72] BIANCHI, KEITH, US
[72] HARTSIG, BILL, US
[72] NUNN, SCOTT, US
[72] PATEL, MUKUND, US
[72] SPONSEL, MARK, US
[72] VEDRINE, LIONEL, US
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[72] DOLAN, WILLIAM, US
[73] BASF CORPORATION, US
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[54] **COMPOSITIONS CONTENANT DE L'ETHER A UTILISER DANS LE CONTROLE DES DEPOTS DE CARBONE LOURD DANS LES EXPLOITATIONS EN FOND DE TROU**
[72] AKAIGHE, NELSON, US
[72] FERNANDEZ, JORGE, US
[72] JONES, CHRISTIAN, US
[72] FILLER, PAUL, US
[73] SASOL CHEMICALS GMBH, DE
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[54] **REVETEMENT POUR CATHETER EXPANSIBLE INTRALUMINAL PERMETTANT UN TRANSFERT PAR CONTACT DE MICRORESERVOIRS DE MEDICAMENT**
[72] ELICKER, ROBERT JOHN, US
[72] AHLERING, MICHAEL THOMAS, CH
[72] YAMAMOTO, RONALD KENICHI, CH
[72] NGUYEN, TIEN THUY, CH
[72] SHULZE, JOHN EDWIN, CH
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[73] M.A. MED ALLIANCE SA, CH
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[25] FR
[54] **METHOD FOR EXTRACTING MOLECULES PRODUCED BY ANAEROBIC FERMENTATION FROM FERMENTABLE BIOMASS**
[54] **PROCEDE D'EXTRACTION DE MOLECULES PRODUITES PAR FERMENTATION ANAEROBIE A PARTIR DE BIOMASSE FERMENTESCIBLE**
[72] NOUAILLE, REGIS, FR
[72] PESSIOT, JEREMY, FR
[73] AFYREN, FR
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[25] FR
[54] **METHOD FOR PRODUCING ORGANIC MOLECULES FROM FERMENTABLE BIOMASS**
[54] **PROCEDE DE PRODUCTION DE MOLECULES ORGANIQUES A PARTIR DE BIOMASSE FERMENTESCIBLE**
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[72] PESSIOT, JEREMY, FR
[73] AFYREN, FR
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[54] **ABLATION CHIMIQUE DE PRECISION ET TRAITEMENT DE TISSUS**
[72] TOTH, LANDY, US
[72] SCHWARTZ, ROBERT, US
[73] TOTH, LANDY, US
[73] SCHWARTZ, ROBERT, US
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[25] EN
[54] **BIDIRECTIONAL LOW VOLTAGE POWER SUPPLY (LVPS) WITH SINGLE PULSE WIDTH MODULATOR (PWM), CRYOGENIC COOLER SYSTEM, AND METHOD**
[54] **ALIMENTATION BASSE TENSION (LVPS) BIDIRECTIONNELLE A MODULATEUR D'IMPULSIONS EN DUREE (PWM) UNIQUE, SYSTEME DE REFROIDISSEMENT CRYOGENIQUE, ET PROCEDE**
[72] ORTIZ, JOE ANTHONY, US
[73] RAYTHEON COMPANY, US
[85] 2017-01-24
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[54] **INDUSTRIAL GEAR LUBRICANT ADDITIVE PACKAGE WITH BIODEGRADABLE SULFUR COMPONENT**
[54] **ENSEMBLE D'ADDITIFS POUR UN LUBRIFIANT POUR ENGRENAGES INDUSTRIELS COMPRENANT UN COMPOSANT SOUFRE BIODEGRADABLE**
[72] BASU, SHUBHAMITA, US
[72] VINCI, JAMES N., US
[72] WRAGG, MICHAEL S., GB
[73] THE LUBRIZOL CORPORATION, US
[85] 2017-02-03
[86] 2015-08-06 (PCT/US2015/043970)
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[30] US (62/033,784) 2014-08-06

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[25] EN
[54] **OPTICALLY INTERFACED FLUID DENSITY SENSOR**
[54] **CAPTEUR DE DENSITE DE FLUIDE A INTERFACE OPTIQUE**
[72] BROWN, ROLLIN W., US
[72] AVERILL, JAMES C., US
[72] HALL, ROBBIE W., US
[73] SIMMONDS PRECISION PRODUCTS, INC., US
[86] (2957170)
[87] (2957170)
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[30] US (15/074,408) 2016-03-18

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[25] EN
[54] **STYLUS WITH COLOR CONTROL**
[54] **STYLET A COMMANDE DE COULEUR**
[72] BOULANGER, CATHERINE N., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-02-03
[86] 2015-08-11 (PCT/US2015/044548)
[87] (WO2016/025420)
[30] US (14/458,038) 2014-08-12

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[25] EN
[54] **SCALABLE ARCHITECTURE FOR DIGITAL SIGNAL PROCESSING**
[54] **ARCHITECTURE A ECHELLE VARIABLE POUR LE TRAITEMENT DE SIGNAUX NUMERIQUES**
[72] HUGHES, ROBERT, GB
[72] BROWN, STEPHEN, GB
[73] AIRBUS DEFENCE AND SPACE LIMITED, GB
[85] 2017-02-07
[86] 2015-09-03 (PCT/GB2015/052547)
[87] (WO2016/034883)
[30] GB (1415684.8) 2014-09-04

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[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **NATURAL ORIFICE SURGERY SYSTEM**
[54] **SYSTEME DE CHIRURGIE D'ORIFICE NATUREL**
[72] WACHLI, SERENE, US
[72] BRESLIN, TRACY, US
[72] SHEEHAN, ALEXANDER, US
[72] POULSEN, NIKOLAI, US
[73] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2017-02-10
[86] 2015-08-14 (PCT/US2015/045201)
[87] (WO2016/025791)
[30] US (62/038,082) 2014-08-15

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[13] C
[51] **Int.Cl. C02F 1/469 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING INLETS AND OUTLETS TO CELL PAIRS IN AN ELECTROCHEMICAL SEPARATION DEVICE**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE FOURNIR DES ENTREES ET DES SORTIES A DES PAIRES DE CELLULES DANS UN DISPOSITIF DE SEPARATION ELECTROCHIMIQUE**
[72] LIANG, LI-SHIANG, US
[72] MUSE, MICHAEL J., US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2017-02-10
[86] 2015-11-23 (PCT/US2015/062143)
[87] (WO2016/085854)
[30] US (62/084,660) 2014-11-26

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[13] C
[51] **Int.Cl. H04B 10/118 (2013.01)**
[25] EN
[54] **ELECTRO-OPTICAL PAYLOAD FOR HIGH-BANDWIDTH FREE SPACE OPTICAL COMMUNICATIONS**
[54] **CHARGE UTILE ELECTRO-OPTIQUE POUR DES COMMUNICATIONS OPTIQUES D'ESPACE LIBRE A BANDE PASSANTE ELEVEE**
[72] COLEMAN, GARY D., US
[72] MINISCALCO, WILLIAM J., US
[72] MATTHEWS, EVAN J., US
[73] RAYTHEON COMPANY, US
[85] 2017-02-10
[86] 2015-06-30 (PCT/US2015/038689)
[87] (WO2016/032622)
[30] US (14/469,538) 2014-08-26

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[13] C
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **INJECTABLE SLURRIES AND METHODS OF MANUFACTURING AND USING THE SAME**
[54] **SUSPENSIONS INJECTABLES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] GARIBYAN, LILIT, US
[72] ANDERSON, RICHARD ROX, US
[72] FARINELLI, WILLIAM A., US
[72] JAVORSKY, EMILIA, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-02-15
[86] 2015-08-27 (PCT/US2015/047301)
[87] (WO2016/033384)
[30] US (62/042,979) 2014-08-28
[30] US (62/121,329) 2015-02-26
[30] US (62/121,472) 2015-02-26

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[13] C
[51] **Int.Cl. B65D 25/40 (2006.01)**
[25] EN
[54] **TAP ASSEMBLY FOR SOLVENT CONTAINER**
[54] **ENSEMBLE DE ROBINET DESTINE A UN CONTENANT DE SOLVANT**
[72] SPECK, JAMES H., CA
[73] PRO FORM PRODUCTS LIMITED, CA
[86] (2959422)
[87] (2959422)
[22] 2017-03-01
[30] US (62/330470) 2016-05-02
[30] US (62/337661) 2016-05-17

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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **GLOBIN GENE THERAPY FOR TREATING HEMOGLOBINOPATHIES**
[54] **THERAPIE GENIQUE GLOBALE DESTINEE A TRAITER LES HEMOGLOBINOPATHIES**
[72] SADELAIN, MICHEL, US
[72] RIVIERE, ISABELLE, US
[72] MANSILLA-SOTO, JORGE, US
[72] WANG, XIUYAN, US
[72] STAMATOYANNOPOULOS, GEORGE, US
[72] STAMATOYANNOPOULOS, JOHN, US
[72] LIU, MINGDONG, US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[73] UNIVERSITY OF WASHINGTON, US
[85] 2017-03-03
[86] 2015-09-04 (PCT/US2015/048698)
[87] (WO2016/037138)
[30] US (62/045,997) 2014-09-04

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[13] C
[51] **Int.Cl. G01M 3/28 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FLUID LEAKAGE DETECTION IN PRESSURIZED PIPES**
[54] **DISPOSITIF ET PROCEDE POUR LA DETECTION DE FUITE DE FLUIDE DANS DES TUYAUX SOUS PRESSION**
[72] MONTOYA RAMIREZ, RUBEN DARIO, CO
[72] MONTOYA JARAMILLO, LUIS JAVIER, CO
[73] UNIVERSIDAD DE MEDELLIN, CO
[85] 2017-03-08
[86] 2015-09-07 (PCT/IB2015/056840)
[87] (WO2016/038527)
[30] CO (14-198145) 2014-09-08

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[25] EN
[54] **CYTOTOXICITY-INDUCING THERAPEUTIC AGENT**
[54] **AGENT THERAPEUTIQUE INDUISANT UNE CYTOTOXICITE**
[72] NEZU, JUNICHI, JP
[72] NARITA, ATSUSHI, JP
[72] ISHIGURO, TAKAHIRO, JP
[72] SAKURAI, MIKA, JP
[72] SHIRAIWA, HIROTAKE, JP
[72] HIRONIWA, NAOKA, JP
[72] IGAWA, TOMOYUKI, JP
[72] KAWAI, YUMIKO, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2017-03-08
[86] 2015-09-25 (PCT/JP2015/077024)
[87] (WO2016/047722)
[30] JP (2014-197315) 2014-09-26

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[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/451 (2018.01) G06F 3/14 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **PRESENTATION OF COMPUTING ENVIRONMENT ON MULTIPLE DEVICES**
[54] **PRESENTATION D'UN ENVIRONNEMENT INFORMATIQUE SUR PLUSIEURS DISPOSITIFS**
[72] THRELKELD, ELIZABETH FAY, US
[72] STAUBER, WILLIAM SCOTT, US
[72] MIKKOLA, PETTERI, US
[72] MORAN, KERI KRUSE, US
[72] KHOURY, ISSA Y., US
[72] DAVIS, DARREN RAY, US
[72] SEGA, GIORGIO FRANCESCO, US
[72] SHIPLEY, KENTON ALLEN, US
[72] BALASUBRAMANIAN, RAMRAJPRABU, US
[72] DERKS, PATRICK, US
[72] RAHMAN, MOHAMMED KALEEMUR, US
[72] PENDLAY, RYAN CHANDLER, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-03-13
[86] 2015-09-18 (PCT/US2015/050846)
[87] (WO2016/048809)
[30] US (14/495,420) 2014-09-24

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[51] **Int.Cl. A61L 2/14 (2006.01) A61B 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR DRYING A MEDICAL DEVICE**
[54] **PROCEDE DE SECHAGE DE DISPOSITIF MEDICAL**
[72] VINTELER, DANIEL, FR
[73] PLASMABIOTICS, FR
[85] 2017-03-22
[86] 2015-09-25 (PCT/FR2015/052557)
[87] (WO2016/046503)
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[25] EN
[54] **BEARING SYSTEM FOR DYNAMICALLY VARYING LOADS**
[54] **SYSTEME DE PALIER POUR VARIATION DYNAMIQUE DES CHARGES**
[72] ADAMS, MONTANA ZANE, US
[72] TONEY, DAVID W., US
[73] LUFKIN GEARS LLC, US
[85] 2017-03-23
[86] 2015-09-14 (PCT/US2015/049889)
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[30] US (14/503,283) 2014-09-30

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[51] **Int.Cl. G07C 9/00 (2020.01) G07C 9/20 (2020.01)**
[25] EN
[54] **AUTO ENROLLMENT FOR CONFIGURING ACCESS CONTROL SYSTEMS**
[54] **AUTO-INSCRIPTION POUR LA CONFIGURATION DE SYSTEMES DE COMMANDE D'ACCES**
[72] FRENETTE, STEPHAN, CA
[72] LABRECQUE, GABRIEL, CA
[73] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[85] 2017-03-24
[86] 2015-09-24 (PCT/IB2015/057370)
[87] (WO2016/046791)
[30] US (14/497,415) 2014-09-26

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[13] C
[51] **Int.Cl. A61L 27/44 (2006.01) A61L 27/56 (2006.01)**
[25] FR
[54] **HYBRID MATERIAL IMPLANT HAVING VARIABLE POROSITY**
[54] **IMPLANT A POROSITE VARIABLE EN UN MATERIAU HYBRIDE**
[72] LAO, JONATHAN CLAUDE ALEXANDRE, FR
[72] JALLOT, EDOUARD DANIEL ALBERT, FR
[72] DIEUDONNE, XAVIER, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE CLERMONT AUVERGNE, FR
[85] 2017-03-24
[86] 2015-09-28 (PCT/IB2015/057420)
[87] (WO2016/051326)
[30] FR (1459209) 2014-09-29

[11] **2,962,716**
[13] C
[51] **Int.Cl. G08B 13/04 (2006.01)**
[25] EN
[54] **WIRELESS ACOUSTIC GLASS BREAKAGE DETECTORS**
[54] **DETECTEURS ACOUSTIQUES SANS FIL DE BRIS DE VITRES**
[72] ZHEVELEV, BORIS, IL
[73] TYCO FIRE & SECURITY GMBH, CH
[85] 2017-03-27
[86] 2015-06-29 (PCT/IL2015/050668)
[87] (WO2016/051399)
[30] US (62/057,316) 2014-09-30
[30] US (14/645,525) 2015-03-12

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRIMIDINE DERIVATIVES USEFUL IN THE TREATMENT OF AUTOIMMUNE DISEASES**
[54] **DERIVES DE PYRIMIDINE SUBSTITUES UTILES DANS LE TRAITEMENT DE MALADIES AUTO-IMMUNES**
[72] SOUTHERN, JOHN MICHAEL, IE
[72] CONNON, STEPHEN J., IE
[73] THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH, NEAR DUBLIN, IE
[85] 2017-03-28
[86] 2015-09-29 (PCT/EP2015/072486)
[87] (WO2016/050804)
[30] GB (1417163.1) 2014-09-29

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[51] **Int.Cl. F28F 27/00 (2006.01) F24F 11/56 (2018.01) F28B 11/00 (2006.01) F28D 1/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A HEAT EXCHANGER USING A COMMUNICATION MODULE AND A CONTROL UNIT**
[54] **METHODE D'EXPLOITATION D'UN ECHANGEUR DE CHALEUR AU MOYEN D'UN MODULE DE COMMUNICATION ET D'UNE UNITE DE COMMANDE**
[72] KOCHER, JORG, DE
[72] ZIEGLTRUM, ULRICH, DE
[73] GUNTNER GMBH & CO. KG, DE
[85] 2017-03-29
[86] 2015-09-23 (PCT/EP2015/071813)
[87] (WO2016/058795)
[30] EP (14188678.8) 2014-10-13

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[13] C
[51] **Int.Cl. B01J 37/02 (2006.01) H01M 8/1004 (2016.01) B01J 37/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PREPARING A CATALYST COATED MEMBRANE**
[54] **METHODE ET DISPOSITIF DE PREPARATION D'UNE MEMBRANE REVETUE D'UN CATALYSEUR**
[72] LEERATANAPHANIT, SARAYUT, DE
[72] NOLLMANN, BERND, DE
[73] GREENERITY GMBH, DE
[86] (2963106)
[87] (2963106)
[22] 2017-04-03
[30] EP (16163977.8) 2016-04-06

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[13] C
[51] **Int.Cl. A61K 31/50 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **LEVOSIMENDAN FOR USE IN THE TREATMENT OF MOTOR NEURON DISEASES (ALS)**
[54] **LEVOSIMENDAN DESTINE A L'UTILISATION DANS LE TRAITEMENT DES MALADIES DES MOTONEURONES (SCLEROSE LATERALE AMYOTROPHIQUE)**
[72] LINDSTEDT, KEN, FI
[73] ORION CORPORATION, FI
[85] 2017-03-30
[86] 2015-10-14 (PCT/FI2015/000039)
[87] (WO2016/059287)
[30] FI (20140278) 2014-10-15

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[13] C
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/08 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ASSESSING RESPIRATORY DATA IN A MONITORED SUBJECT**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'EVALUER DES DONNEES RESPIRATOIRES CHEZ UN SUJET SURVEILLE**
[72] VAN DONGEN, JEROEN WILLEM FRANS, NL
[72] OOSTERHEERT, JOHAN, NL
[73] MEDWEAR B.V., NL
[85] 2017-04-03
[86] 2015-10-01 (PCT/NL2015/050688)
[87] (WO2016/053103)
[30] NL (2013551) 2014-10-01

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[51] **Int.Cl. G01N 5/02 (2006.01) B64D 15/20 (2006.01) B64D 43/00 (2006.01) B64D 45/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF DETECTING LIQUID WATER IN A CLOUD**
[54] **METHODE ET APPAREIL DE DETECTION D'EAU LIQUIDE DANS UN NUAGE**
[72] JACKSON, DARREN G., US
[73] ROSEMOUNT AEROSPACE INC., US
[86] (2964259)
[87] (2964259)
[22] 2017-04-11
[30] US (62/328,984) 2016-04-28
[30] US (15/423,296) 2017-02-02

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[13] C
[51] **Int.Cl. H04N 21/472 (2011.01) H04H 60/72 (2009.01) H04N 21/278 (2011.01) H04N 21/431 (2011.01) H04N 21/4627 (2011.01)**
[25] EN
[54] **ACCESSING BROADCAST MEDIA**
[54] **ACCES A DES MEDIAS DE DIFFUSION**
[72] AGEH, TONY, GB
[72] LAVENDER, BENJAMIN, GB
[72] LEE, JAE, GB
[72] PRAKASH, PRIYA, GB
[73] BRITISH BROADCASTING CORPORATION, GB
[86] (2964397)
[87] (2964397)
[22] 2005-06-21
[62] 2,571,659
[30] GB (0413848.3) 2004-06-21

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[51] **Int.Cl. A61M 39/08 (2006.01) A61B 17/34 (2006.01) A61M 1/00 (2006.01) A61M 13/00 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **BRANCHING MULTI-LUMEN TUBE SET FOR LAPAROSCOPIC SURGICAL PROCEDURES INVOLVING SMOKE EVACUATION**
[54] **ENSEMBLE DE TUBULURE MULTI-LUMIERES A BRANCHEMENT POUR PROCEDURES CHIRURGICALES LAPAROSCOPIQUES METTANT EN OEUVRE UNE EVACUATION DE FUMEE**
[72] MASTRI, DOMINICK, US
[72] BLIER, KENNETH, US
[73] SURGIQUEST, INC., US
[85] 2017-04-12
[86] 2015-10-14 (PCT/US2015/055481)
[87] (WO2016/061191)
[30] US (14/514,857) 2014-10-15

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[13] C
[51] **Int.Cl. G01D 18/00 (2006.01) G01D 5/22 (2006.01)**
[25] EN
[54] **POSITION SENSOR ASSEMBLY WITH MOVING ELEMENT, SIGNAL CONDITIONING ELECTRONICS, INTEGRATED CIRCUIT EXCITATION, DEMODULATION, AND CALIBRATION**
[54] **ASSEMBLAGE DE CAPTEUR DE POSITION COMPRENANT UN ELEMENT MOBILE, PIECES ELECTRONIQUES DE CONDITIONNEMENT DE SIGNAUX, EXCITATION DE CIRCUIT INTEGRE, DEMODULATION ET ETALONNAGE**
[72] KEOHANE, EUGENE F., US
[72] DIAZ, JOSEPH, US
[73] MOOG INC., US
[85] 2017-04-24
[86] 2015-10-23 (PCT/US2015/057141)
[87] (WO2016/065275)
[30] US (62/068,516) 2014-10-24

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[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) H01G 2/08 (2006.01) H01L 23/36 (2006.01) H01L 23/46 (2006.01)**
[25] EN
[54] **A MOUNTING APPARATUS, FOR MOUNTING AT LEAST ONE HEAT DISSIPATING ELECTRICAL DEVICE, OPTIONALLY INCLUDING A HEAT SINK BODY FOR SOLID, GAS AND FLUID HEAT EXCHANGE, AND CIRCUIT BOARD ASSEMBLY PROVIDING INTERFACE BETWEEN CIRCUITS**
[54] **APPAREIL DE MONTAGE, POUR LE MONTAGE D'AU MOINS UN DISPOSITIF ELECTRIQUE DISSIPATEUR DE CHALEUR, COMPRENANT FACULTATIVEMENT UN CORPS PUITS DE CHALEUR POUR UN ECHANGE DE CHALEUR DE SOLIDE, DE GAZ ET DE LIQUIDE, ET ENSEMBLE CARTE DE CIRCUIT FOURNISSANT UNE INTERFACE ENTRE DES CIRCUITS**
[72] RICHARDS, MICHAEL JOHN, CA
[73] ALGOZEN CORPORATION, CA
[85] 2017-04-25
[86] 2015-10-30 (PCT/CA2015/051114)
[87] (WO2016/065485)
[30] US (62/073,074) 2014-10-31

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[13] C
[51] **Int.Cl. B81B 1/00 (2006.01) C12N 5/078 (2010.01) C12N 5/0787 (2010.01) C12M 1/12 (2006.01) G01N 1/28 (2006.01) G01N 1/40 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **COMBINED SORTING AND CONCENTRATING PARTICLES IN A MICROFLUIDIC DEVICE**
[54] **COMBINAISON DE TRI ET DE CONCENTRATION DE PARTICULES DANS UN DISPOSITIF MICROFLUIDIQUE**
[72] KAPUR, RAVI, US
[72] SMITH, KYLE C., US
[72] TONER, MEMHET, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-05-02
[86] 2015-11-03 (PCT/US2015/058785)
[87] (WO2016/073448)
[30] US (62/074,213) 2014-11-03
[30] US (62/074,315) 2014-11-03

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[13] C
[51] **Int.Cl. A61K 31/7004 (2006.01) A23L 33/125 (2016.01) A23L 2/38 (2021.01) A23L 2/52 (2006.01)**
[25] EN
[54] **USE OF D-RIBOSE TO ENHANCE ADAPTATION TO PHYSICAL STRESS**
[54] **UTILISATION DE D-RIBOSE POUR AMELIORER L'ADAPTATION AU STRESS PHYSIQUE**
[72] XUE, YONGQUAN, US
[73] BIOENERGY LIFE SCIENCE, INC., US
[85] 2017-05-02
[86] 2015-11-03 (PCT/US2015/058902)
[87] (WO2016/073532)
[30] US (62/074,611) 2014-11-03

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[13] C
[51] **Int.Cl. G02B 5/00 (2006.01) B42D 25/324 (2014.01) G02B 5/18 (2006.01) G03H 1/02 (2006.01) G07D 7/12 (2016.01) G09F 19/12 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENT FOR FORGERY PROOF**
[54] **ELEMENT OPTIQUE ANTI-CONTREFACON**
[72] YASHIKI, KAZUHIRO, JP
[72] NAGANO, AKIRA, JP
[72] SUGIHARA, KEITARO, JP
[72] TASHIRO, TOMOKO, JP
[73] TOPPAN PRINTING CO., LTD., JP
[85] 2017-05-03
[86] 2015-11-10 (PCT/JP2015/005608)
[87] (WO2016/075928)
[30] JP (2014-227819) 2014-11-10

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[54] **NUCLEIC ACID COMPOUNDS FOR BINDING GROWTH DIFFERENTIATION FACTOR 11**
[54] **COMPOSES D'ACIDE NUCLEIQUE POUR LA LIAISON DU FACTEUR 11 DE CROISSANCE ET DE DIFFERENCIATION**
[72] OCHSNER, URS, US
[72] GREEN, LOUIS, US
[72] ZICHI, DOM, US
[72] JANJIC, NEBOJSA, US
[73] SOMALOGIC OPERATING CO., INC., US
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[54] **INTEGRATED USER INTERFACE FOR STATUS AND CONTROL OF A SUBMERSIBLE MULTI-PARAMETER SONDE**
[54] **INTERFACE UTILISATEUR INTEGREE POUR ETAT ET COMMANDE D'UNE SONDE A PARAMETRES MULTIPLES SUBMERSIBLE**
[72] MCKEE, DUANE B., US
[73] IN-SITU, INC., US
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[54] **ORAL REHYDRATION COMPOSITION AND METHODS THEREOF**
[54] **COMPOSITION DE REHYDRATATION PAR VOIE ORALE ET PROCEDES ASSOCIES**
[72] ROSENBERG, ALON, IL
[72] MILSTEIN, ABRAHAM, IL
[72] MACKLE, ANTHONY, IE
[72] FIRTH, AVA MARIE, GB
[72] SCHWARTZ MONIQUE, MICHELE, US
[72] VAN DALSEM, SIMON, NL
[72] HALPERN, ARIE, CH
[73] KALMARNA LIMITED, VG
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[54] **METHOD FOR RECOVERING SUCCINIC ACID CRYSTALS USING SURFACTANTS DURING CRYSTALLISATION, AND RESULTING CRYSTALS**
[54] **PROCEDE DE RECUPERATION DE CRISTAUX D'ACIDE SUCCINIQUE AVEC MISE EN OEUVRE DE TENSIOACTIFS AU COURS DE LA CRISTALLISATION ET CRISTAUX OBTENUS**
[72] DUFLOT, PIERRICK, FR
[72] LANOS, PIERRE, FR
[72] BOIT, BAPTISTE, FR
[72] DEHAY, FREDERICK, FR
[72] ROSSI, LAURENT, FR
[73] ROQUETTE FRERES, FR
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[54] **COMPOUNDS DERIVED FROM POLYMYXIN**
[54] **COMPOSES DERIVES DE LA POLYMYXINE**
[72] BROWN, PAMELA, GB
[72] DAWSON, MICHAEL, GB
[72] SIMONOVIC, MONA, GB
[72] BOAKES, STEVEN, GB
[72] DUPERCHY, ESTHER, GB
[72] STANWAY, STEVEN JAMES, GB
[72] WILSON, ANTOINETTE, GB
[72] MOSS, STEPHEN FREDERICK, GB
[73] SPERO THERAPEUTICS, INC., US
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[54] **COATED SUBSTRATE**
[54] **SUBSTRAT REVETU**
[72] BIZA, PETER, FR
[72] REED, GREGG A., US
[73] IMERTECH SAS, FR
[85] 2017-06-02
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[54] **SAC A CORDON PARFUME**
[72] COBLER, BRAD A., US
[73] POLY-AMERICA, L.P., US
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[54] **DERIVES DE PIPERIDINE EN TANT QU'INHIBITEURS DE HDAC 1/2**
[72] VAN DUZER, JOHN H., US
[72] MAZITSCHEK, RALPH, US
[73] REGENACY PHARMACEUTICALS, LLC, US
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[54] **MACROCYCLIC COMPOUNDS AS IRAK1/4 INHIBITORS AND USES THEREOF**
[54] **COMPOSES MACROCYCLIQUES COMME INHIBITEURS D'IRAK1/4 ET LEURS UTILISATIONS**
[72] CHEN, XIAOLING, US
[72] YU, HENRY, US
[72] LAN, RUOXI, US
[72] JORAND-LEBRUN, CATHERINE, US
[72] JOHNSON, THERESA L., US
[72] GOUTOPOULOS, ANDREAS, US
[73] MERCK PATENT GMBH, DE
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[54] **MINERAL WINNING PICK, HOLDER, AND COMBINATION**
[54] **PIC D'ABATTAGE DE MINERAUX, SUPPORT ET COMBINAISON**
[72] CHEYNE, MARK A., US
[72] RICKEY, JACK C., US
[73] ESCO GROUP LLC, US
[85] 2017-06-13
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[54] **PROTECTIVE GRAFT COATING FOR APPLICATION ONTO POLYURETHANE FOR CHEMICAL RESISTANCE, STAIN RESISTANCE, ABRASION RESISTANCE AND U.V. RESISTANCE**
[54] **REVETEMENT DE GREFFE PROTECTEUR DESTINE A UNE APPLICATION SUR LE POLYURETHANE EN VUE DE LA RESISTANCE AUX PRODUITS CHIMIQUES, LA RESISTANCE AUX TACHES, LA RESISTANCE A L'ABRASION ET LA RESISTANCE AUX UV**
[72] CASSADAY, TERRY, CA
[72] RYAN, JOHN, US
[72] THOTTATHIL, PAUL, US
[72] KESAVAN, PURUSHOTHAMAN, US
[72] MUKHERJEE, SATYABRATA, US
[73] ERGOCENTRIC INC., CA
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[54] **ACOUSTIC EMISSION SENSOR HOLDER**
[54] **SUPPORT DE CAPTEUR D'EMISSION ACOUSTIQUE**
[72] TAT, HONG H., US
[72] MITTLEIDER, JOHN A., US
[72] SCHAEFER, JOSEPH D., US
[72] GARDNER, SCOTT H., US
[72] EDWARDS, JAMES W., US
[72] HOLMES, TYLER M., US
[73] THE BOEING COMPANY, US
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[54] **REMOTE MONITORING OF CRITICAL REACTOR PARAMETERS**
[54] **TELESURVEILLANCE DE PARAMETRES CRITIQUES DE REACTEUR**
[72] POTTORF, JASON, US
[72] HOUGH, TED, US
[73] NUSCALE POWER, LLC, US
[85] 2017-06-16
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[25] EN
[54] **STEEL PLATE HAVING EXCELLENT RESISTANCE TO FATIGUE CRACK GROWTH AND ITS MANUFACTURING METHOD**
[54] **TOLE D'ACIER PRESENTANT UNE BONNE RESISTANCE A LA FATIGUE ET A LA CROISSANCE DE FISSURES ET SON PROCEDE DE FABRICATION**
[72] LIU, ZICHENG, CN
[72] SHI, QING, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2017-06-19
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[54] **IMPROVED BINDER**
[54] **LIANT AMELIORE**
[72] HJELMGAARD, THOMAS, DK
[72] NISSEN, POVL, DK
[72] NAERUM, LARS, DK
[72] HANSEN, ERLING LENNART, DK
[73] ROCKWOOL A/S, DK
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[54] **SYSTEMS AND METHODS FOR DUAL VITREOUS AND RETINA IMAGING**
[54] **SYSTEMES ET PROCEDES POUR IMAGER A LA FOIS LE CORPS VITRE ET LA RETINE**
[72] YU, LINGFENG, US
[72] REN, HUGANG, US
[73] ALCON INC., US
[85] 2017-06-20
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[54] **FIRE PROTECTION SLEEVE**
[54] **COLLIER COUPE-FEU**
[72] MUNZENBERGER, HERBERT, DE
[72] ARTMANN, HANS HENNING, DE
[72] KOGLER, MARKUS, DE
[72] BERGHOFER, EGON, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
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[54] **COMPOSITIONS FONGICIDES**
[72] HOPKINS, DEREK J., NZ
[72] CATHIE, CHERYL ANN, NZ
[72] MATHIESON, TODD, US
[72] FOSTER, NEIL, FR
[73] CORTEVA AGRISCIENCE LLC, US
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[25] EN
[54] **(R)-2-METHYL-PIPERAZINE DERIVATIVES AS CXCR3 RECEPTOR MODULATORS**
[54] **DERIVES DE LA (R)-2-METHYL PIPERAZINE UTILISES COMME MODULATEURS DU RECEPTEUR CXCR3**
[72] CAROFF, EVA, CH
[72] MEYER, EMMANUEL, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2017-07-04
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[54] **DISPOSITIF ET PROCEDE DE FIXATION DE LIGAMENT**
[72] HOOVER, TIMOTHY R., US
[72] HENENBOLT, KENNETH T., US
[72] BORDEN, PETER S., US
[72] ISHIBASHI, YASUYUKI, JP
[73] ARTHREX, INC., US
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[54] **DISPOSITIF DE CONFINEMENT D'EFFLUENTS DE FLUIDE DE DECAPAGE**
[72] EARP, DANNY, US
[73] EARP, DANNY, US
[85] 2017-07-07
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[54] **CARBON SORBENTS FOR THE REMOVAL OF NITROGEN OXIDES AND METHODS FOR MAKING THE SAME**
[54] **SORBANTS DE CARBONE PERMETTANT L'ELIMINATION D'OXYDES D'AZOTE ET PROCEDES DE FABRICATION DE CES DERNIERS**
[72] DOUGHTY, DAVID T., US
[72] MCNAMARA, GINA L., US
[73] CALGON CARBON CORPORATION, US
[85] 2017-07-07
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[54] **SOD HANDLING APPARATUS**
[54] **APPAREIL DE MANIPULATION DE GAZON**
[72] BROUWER, GERARDUS J., CA
[72] RATSEP, RALPH, CA
[72] MILWAIN, ROBERT, CA
[72] HENDRIKS, MATHIAS MARIE GERARDUS, NL
[73] 1045929 ONTARIO LIMITED, CA
[85] 2017-07-11
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[51] **Int.Cl. G01M 13/00 (2019.01) G01M 1/28 (2006.01) G01P 15/00 (2006.01)**
[25] EN
[54] **EROSION DETECTION OF ROTATING EQUIPMENT WITH HARMONIC FREQUENCIES**
[54] **DETECTION DE L'EROSION D'UN EQUIPEMENT ROTATIF A L'AIDE DE FREQUENCES HARMONIQUES**
[72] MOAKLER, DEAN, US
[72] LUHARUKA, RAJESH, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[25] EN
[54] **METHODS AND APPARATUS FOR BALANCE SUPPORT SYSTEMS**
[54] **PROCEDES ET APPAREIL POUR DES SYSTEMES DE SUPPORT EN EQUILIBRE**
[72] MCBRIDE, KEITH, US
[73] BIONESS INC., US
[85] 2017-07-19
[86] 2016-02-02 (PCT/US2016/016129)
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[30] US (62/111,433) 2015-02-03

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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF 2-[4-(CYCLOPROPANECARBONYL)PHENYL]-2-METHYL-PROPANENITRILE**
[54] **PROCEDE POUR LA PRODUCTION DE 2-[4-(CYCLOPROPANECARBONYL)PHENYL]-2-METHYL-PROPANENITRILE**
[72] WEHLAN, HERMUT, DE
[72] ROSSEN, KAI, DE
[72] SCHAEFER, ALEXANDER, DE
[73] EUROAPI GERMANY, DE
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[54] **INTERVENTIONAL DEVICE HAVING AN INTEGRATED EMBOLIC FILTER AND ASSOCIATED METHODS**
[54] **DISPOSITIF D'INTERVENTION AYANT UN FILTRE EMBOLIQUE INTEGRE ET PROCEDES ASSOCIES**
[72] SACHAR, RAVISH, US
[72] PATEL, UDAYAN G., US
[73] CONTEGO MEDICAL, INC., US
[85] 2017-07-20
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[30] US (62/107,216) 2015-01-23
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[25] EN
[54] **TWO-LAYERED INJECTION MOLDED FIELD JOINT FOR PIPELINE APPLICATIONS**
[54] **RACCORD BICOUCHE DE CHAMP MOULE PAR INJECTION POUR PIPELINE**
[72] WRIGHT, ADAM ROBERT, GB
[72] USTAD, OLE THOMAS, NO
[72] CHOUDHARY, SURESH, SG
[73] SHAWCOR LTD., CA
[85] 2017-07-21
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[51] **Int.Cl. E01H 5/06 (2006.01) E02F 3/815 (2006.01)**
[25] EN
[54] **ELASTOMERIC PLOW EDGE**
[54] **BORD DE CHARRUE ELASTOMERIQUE**
[72] WINTER, KENT, US
[72] SULESKY, WILLIAM A., US
[73] WINTER EQUIPMENT COMPANY, INC., US
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[22] 2017-08-01
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[54] **MICROPROJECTION ARRAY APPLICATOR AND METHOD**
[54] **APPLICATEUR A RESEAU DE MICROPROJECTIONS ET PROCEDE**
[72] JUNGER, MICHAEL CARL, AU
[72] LEMAIRE, PIERRE ARMAND VINCENT, AU
[73] VAXXAS PTY LIMITED, AU
[85] 2017-07-28
[86] 2016-02-02 (PCT/AU2016/050056)
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[54] **SYSTEMS, APPARATUS AND METHODS FOR TESTING AND PREDICTING THE PERFORMANCE OF CONCRETE MIXTURES**
[54] **SYSTEMES, APPAREIL ET PROCEDES DE TEST ET DE PREDICTION DE PERFORMANCE DE MELANGES DE BETON**
[72] RADJY, FARROKH F., US
[73] QUIPIP, LLC, US
[85] 2017-07-27
[86] 2016-01-27 (PCT/US2016/015143)
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[25] EN
[54] **ELECTRICAL SAFETY SYSTEM**
[54] **SYSTEME DE SECURITE ELECTRIQUE**
[72] LLOYD, MICHAEL SHANE, US
[72] LANGBERG, JONATHAN JASON, US
[73] LLOYD, MICHAEL SHANE, US
[73] LANGBERG, JONATHAN JASON, US
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[54] **ELEMENTS DE FIXATION POUR SYSTEMES A REACTEURS NUCLEAIRES**
[72] CADELL, SETH, US
[72] LISZKAI, TAMAS R., US
[73] NUSCALE POWER, LLC, US
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[54] **DRIVE BELT TENSIONING DEVICE**
[54] **MECANISME TENDEUR DE COURROIE D'ENTRAINEMENT**
[72] NEWMAN, JODY, CA
[72] NEWMAN, BILL, CA
[73] NEWMAN, JODY, CA
[73] NEWMAN, BILL, CA
[86] (2975457)
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[54] **QUERYING A DATA SOURCE ON A NETWORK FIELD**
[54] **INTERROGATION D'UNE SOURCE DE DONNEES SUR UN CHAMP RESEAU**
[72] SCHECHTER, IAN, US
[72] ALLIN, GLENN JOHN, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2017-07-31
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[51] **Int.Cl. G06Q 30/0251 (2023.01)**
[25] EN
[54] **SYSTEM, METHOD AND DEVICE FOR ORGANIZING AND PRESENTING DIGITAL FLYERS**
[54] **SYSTEME, PROCEDE ET DISPOSITIF POUR ORGANISER ET PRESENTER DES CIRCULAIRES NUMERIQUES**
[72] CHEUNG, MATTHEW, CA
[72] FRANCIS, JEFF, CA
[72] TAN, WEHUNS, CA
[72] MEYERS, DAVID, CA
[72] AU-YEUNG, DAVID, CA
[73] FLIPP OPERATIONS INC., CA
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[25] EN
[54] **CYSTEINE PROTEASE**
[54] **PROTEASE A CYSTEINE**
[72] KJELLMAN, CHRISTIAN, SE
[72] JARNUM, SOFIA, SE
[72] NORDAHL, EMMA, SE
[73] HANSA BIOPHARMA AB, SE
[85] 2017-08-07
[86] 2016-02-12 (PCT/EP2016/053054)
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[51] **Int.Cl. A61N 1/20 (2006.01) A61B 5/0538 (2021.01) A61N 1/04 (2006.01)**
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[54] **DEVICE FOR DIAGNOSIS AND INDUCED REGENERATION IN TISSUES BY MEANS OF THERAPEUTIC PERCUTANEOUS ELECTROLYSIS AND ELECTRO-STIMULATION TARGETED VIA BIPOLAR NEEDLE**
[54] **APPAREIL DE DIAGNOSTIC ET REGENERATION INDUITE DANS LES TISSUS AU MOYEN D'ELECTROLYSE PERCUTANEE THERAPEUTIQUE ET ELECTROSTIMULATION CIBLEE PAR AIGUILLE BIPOLAIRE**
[72] OLIVER GARCIA, JOSEP, ES
[72] ALLEPUZ MONER, VICENT, ES
[73] IONCLINICS AND DEIONIC, S.L., ES
[85] 2017-08-09
[86] 2016-02-03 (PCT/ES2016/070061)
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[25] EN
[54] **METHOD FOR PRODUCTION OF SOFT CHEESE COMPRISING SIMULTANEOUS ADDITION OF ACIDIFYING BACTERIA AND COAGULANT**
[54] **PROCEDE POUR LA PRODUCTION DE FROMAGE A PATE MOLLE COMPRENANT L'AJOUT SIMULTANE DE BACTERIES ACIDOGENES ET DE COAGULANT**
[72] BROCHERET, SYLVAIN, FR
[72] FAIVELEY, MARC, FR
[72] POIGNAND, JEAN-PAUL, FR
[72] ROUSTEL, SEBASTIEN, FR
[73] CHR. HANSEN A/S, DK
[85] 2017-08-10
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[54] **PALEOGEOGRAPHIC RECONSTRUCTION OF AN AREA OF THE EARTH CRUST**
[54] **RECONSTRUCTION PALEOGEOGRAPHIQUE D'UNE ZONE DE LA CROUTE TERRESTRE**
[72] KUHN, PHILIPP, NL
[72] ROSS, MALCOLM, US
[72] VAN OOSTERHOUT, CORNELIS WILHELMUS MARIA, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-08-14
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[25] EN
[54] **DOWNSAMPLING PROCESS FOR LINEAR MODEL PREDICTION MODE**
[54] **PROCEDE DE SOUS-ECHANTILLONNAGE POUR MODE DE PREDICTION DE MODELE LINEAIRE**
[72] ZHANG, LI, US
[72] CHEN, JIANLE, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-08-15
[86] 2016-03-18 (PCT/US2016/023157)
[87] (WO2016/154008)
[30] US (62/136,344) 2015-03-20
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[25] EN
[54] **MOTION VECTOR DERIVATION IN VIDEO CODING**
[54] **DERIVATION DE VECTEUR DE MOUVEMENT DANS UN CODAGE VIDEO**
[72] LI, XIANG, US
[72] CHEN, YING, US
[72] ZHANG, LI, US
[72] LIU, HONGBIN, CN
[72] CHEN, JIANLE, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-08-15
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[54] **METHODS FOR CEMENTING A SUBTERRANEAN WELLBORE**
[54] **METHODES DE CIMENTATION DE TROU DE FORAGE SOUTERRAIN**
[72] MULLEN, JAMES C., II, US
[73] EOG RESOURCES, INC., US
[86] (2977231)
[87] (2977231)
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[30] US (62/378,781) 2016-08-24

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PARTICLES OF N-(5-CYANO-4-((2-METHOXYETHYL)AMINO)PYRIDIN-2-YL)-7-FORMYL-6-((4-METHYL-2-OXOPIPERAZIN-1-YL)METHYL)-3,4-DIHYDRO-1,8-NAPHTHYRIDINE-1(2H)-CARBOXAMIDE**
[54] **PARTICULES DE N-(5-CYANO-4-((2-METHOXYETHYL)AMINO)PYRIDIN-2-YL)-7-FORMYL-6-((4-METHYL-2-OXOPIPERAZIN-1-YL)METHYL)-3,4-DIHYDRO-1,8-NAPHTHYRIDINE-1(2H)-CARBOXAMIDE**
[72] BUSCHMANN, NICOLE, CH
[72] FAIRHURST, ROBIN ALEC, CH
[72] FURET, PASCAL, CH
[72] KNOEPFEL, THOMAS, CH
[72] LEBLANC, CATHERINE, CH
[72] MAH, ROBERT, CH
[72] MALLET, FRANCK, CH
[72] MARTZ, JULIE, CH
[72] LIAO, LV, CN
[72] XIONG, JING, CN
[72] HAN, BO, CN
[72] WANG, CAN, CN
[72] ZHAO, XIANGLIN, CN
[73] NOVARTIS AG, CH
[85] 2017-08-21
[86] 2016-03-23 (PCT/IB2016/051633)
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[30] CN (PCT/CN2015/000202) 2015-03-25

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[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01) B62D 33/00 (2006.01)**
[25] EN
[54] **CARGO-BED COVER SYSTEM AND METHOD**
[54] **SYSTEME DE COUVRE PLATEFORME DE CHARGEMENT ET METHODE**
[72] TRINIER, BRENT, CA
[73] TRINIER, BRENT, CA
[86] (2977604)
[87] (2977604)
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[54] **CHARACTERIZATION OF REFRACTORY LINING OF METALLURGICAL VESSELS USING AUTONOMOUS SCANNERS**
[54] **CARACTERISATION DE GARNISSAGE REFRACTAIRE D'ENCEINTES METALLURGIQUES A L'AIDE DE SCANNERS AUTONOME**
[72] BONIN, MICHEL PIERRE, US
[72] HOOG, JARED HUBERT, US
[73] PROCESS METRIX, LLC, US
[85] 2017-08-23
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[25] EN
[54] **ELECTROMECHANICAL SYSTEM SUBSTRATE ATTACHMENT FOR REDUCED THERMAL DEFORMATION**
[54] **FIXATION DE SUBSTRAT DE SYSTEME ELECTROMECANIQUE POUR PERMETTRE UNE DEFORMATION THERMIQUE REDUITE**
[72] AIMI, MARCO FRANCESCO, US
[72] LIN, YIZHEN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **LINERS FOR COOKING VESSELS**
[54] **REVETEMENTS POUR RECIPIENTS DE CUISSON**
[72] RADOSTA, JOSEPH A., US
[72] SCHMAL, MICHAEL D., US
[72] JACOBE, CONNIE M., US
[73] M & Q IP LEASING, LLC, US
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[51] **Int.Cl. G06F 30/00 (2020.01) G06Q 50/04 (2012.01) G06F 3/14 (2006.01)**
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[54] **DESIGN ASSISTANCE METHOD**
[54] **PROCEDE D'AIDE A LA CONCEPTION**
[72] NAKAGAWA, RIE, JP
[72] KUDO, TAKETO, JP
[72] TSUKAMOTO, MASATSUGU, JP
[73] MISUMI CORPORATION, JP
[85] 2017-08-28
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[25] EN
[54] **TELEVISION BROADCAST SIGNAL TRANSMITTING APPARATUS AND TRANSMITTING METHOD THEREOF**
[54] **APPAREIL DE TRANSMISSION DE SIGNAL D'EMISSION DE TELEVISION ET METHODE DE TRANSMISSION**
[72] MYUNG, SE-HO, KR
[72] KIM, KYUNG-JOONG, KR
[72] JEONG, HONG-SIL, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-08-29
[86] 2016-03-02 (PCT/KR2016/002090)
[87] (WO2016/140512)
[30] US (62/126,872) 2015-03-02
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[54] **TRANSMITTING APPARATUS AND TRANSMITTING METHOD THEREOF**
[54] **APPAREIL DE TRANSMISSION ET METHODE DE TRANSMISSION CONNEXE**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-08-29
[86] 2016-03-02 (PCT/KR2016/002092)
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[30] US (62/139,193) 2015-03-27
[30] US (62/185,927) 2015-06-29
[30] KR (10-2015-0137189) 2015-09-27

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[25] EN
[54] **COMPOSITION FOR IMPROVING OR PREVENTING NONALCOHOLIC FATTY LIVER**
[54] **COMPOSITION POUR L'AMELIORATION OU LA PREVENTION DE LA STEATOSE HEPATIQUE NON ALCOOLIQUE**
[72] KESSOKU, TAKAOMI, JP
[72] NAKAJIMA, ATSUSHI, JP
[72] SUMIDA, YOSHIO, JP
[72] EGUCHI, YUICHIRO, JP
[72] SAITO, SUSUMU, JP
[72] SAUCHI, YUSUKE, JP
[73] KOHJIN LIFE SCIENCES CO., LTD., JP
[85] 2017-08-30
[86] 2016-03-02 (PCT/JP2016/056341)
[87] (WO2016/140237)
[30] JP (2015-041317) 2015-03-03

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[54] **OCULAR FORMULATIONS COMPRISING A GLYCOSAMINOGLYCAN AND AN ANESTHETIC**
[54] **FORMULATIONS OCULAIRES COMPRENANT UN GLYCOSAMINOGLYCANE ET UN ANESTHESIQUE**
[72] ROWE, THOMAS, US
[72] COULON, RICHARD, US
[73] ENCOMPASS DEVELOPMENT, INC., US
[85] 2017-09-06
[86] 2015-03-17 (PCT/US2015/020973)
[87] (WO2015/142853)
[30] US (61/954,103) 2014-03-17

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[51] **Int.Cl. F24H 1/10 (2022.01) F24H 15/212 (2022.01) F24H 15/335 (2022.01)**
[25] EN
[54] **SYSTEM CONTROL FOR TANK RECOVERY**
[54] **SYSTEME DE COMMANDE POUR RECUPERATION A PARTIR D'UN RESERVOIR**
[72] HUMPHREY, SCOTT GILMAN, US
[72] SILER, JASON WILLIAM, US
[73] RINNAI AMERICA CORPORATION, US
[85] 2017-09-06
[86] 2016-03-10 (PCT/US2016/021708)
[87] (WO2016/145154)
[30] US (62/131,567) 2015-03-11
[30] US (15/064,116) 2016-03-08

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[13] C
[51] **Int.Cl. G16B 45/00 (2019.01) G16H 10/60 (2018.01) G16H 50/80 (2018.01) G16H 40/63 (2018.01)**
[25] EN
[54] **INFECTION MANAGEMENT AND CONTROL**
[54] **GESTION DES INFECTIONS ET LUTTE CONTRE LES INFECTIONS**
[72] KAMALAKARAN, SITHARTHAN, NL
[72] MAYIGOWDA, PRAMOD, NL
[72] LIN, HENRY, NL
[72] CHOTHANI, SONIA, NL
[73] KONINKLIJKE PHILIPS N.V., NL
[85] 2017-09-07
[86] 2016-03-10 (PCT/EP2016/055195)
[87] (WO2016/142493)
[30] US (62/132,168) 2015-03-12

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[25] EN
[54] **FIRE PROTECTION SLEEVE**
[54] **COLLIER COUPE-FEU**
[72] MUNZENBERGER, HERBERT, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2017-09-07
[86] 2016-04-27 (PCT/EP2016/059344)
[87] (WO2016/174055)
[30] EP (15165180.9) 2015-04-27

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[51] **Int.Cl. A63B 71/06 (2006.01) G06F 16/90 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILIZING ATHLETE DATA TO INCREASE ATHLETE PERFORMANCE**
[54] **SYSTEMES ET METHODES D'UTILISATION DES DONNEES D'UN ATHLETE EN VUE D'AUGMENTER LA PERFORMANCE DE L'ATHLETE**
[72] IRUKULLA, SUNIL, US
[72] BORODIAK, IVAN, US
[73] ON THE HOP NATION, US
[86] (2979136)
[87] (2979136)
[22] 2017-09-14
[30] US (62/394,450) 2016-09-14
[30] US (15/704,487) 2017-09-14

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[51] **Int.Cl. H02K 16/02 (2006.01) B62D 5/00 (2006.01) F16D 27/00 (2006.01) F16D 63/00 (2006.01)**
[25] EN
[54] **DUAL ROTOR TORQUE GENERATING DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES DE GENERATION DE COUPLE A DOUBLE ROTOR**
[72] JARZOMSKI, MICHAEL S., US
[72] DI DECO, LUCA, IT
[73] LORD CORPORATION, US
[85] 2017-09-08
[86] 2016-03-11 (PCT/US2016/022016)
[87] (WO2016/145316)
[30] US (62/132,155) 2015-03-12

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[51] **Int.Cl. A61K 33/42 (2006.01) A61K 8/19 (2006.01) A61K 8/25 (2006.01) A61K 8/27 (2006.01) A61K 9/00 (2006.01) A61K 33/00 (2006.01) A61K 33/06 (2006.01) A61K 33/30 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS AND METHODS OF USING THE COMPOSITIONS**
[54] **COMPOSITIONS POUR SOINS BUCCAUX ET METHODES D'UTILISATION DESDITES COMPOSITIONS**
[72] REGE, AARTI, US
[72] SURIANO, DAVID, US
[72] SULLIVAN, RICHARD, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-09-11
[86] 2015-10-08 (PCT/US2015/054792)
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[51] **Int.Cl. A61B 17/00 (2006.01) A61F 9/007 (2006.01) A61M 39/22 (2006.01) F16K 5/04 (2006.01) F16K 11/085 (2006.01)**
[25] EN
[54] **HIGH SPEED PNEUMATIC VALVE**
[54] **SOUPAPE PNEUMATIQUE HAUTE VITESSE**
[72] FARLEY, MARK, US
[73] ALCON INC., US
[85] 2017-09-11
[86] 2016-04-06 (PCT/US2016/026135)
[87] (WO2016/168016)
[30] US (62/146,595) 2015-04-13

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[13] C
[51] **Int.Cl. G01N 25/66 (2006.01) G01N 25/56 (2006.01) G01N 25/60 (2006.01)**
[25] EN
[54] **DEW POINT AND CARRY-OVER MONITORING**
[54] **SURVEILLANCE DE POINT DE ROSEE ET DE VAPOENTRAINEMENT**
[72] DUPUY, PABLO MATIAS, NO
[72] FAANES, AUDUN, NO
[72] NILSSEN, ODDBJORN REKAA, NO
[72] LOKKEN, TORBJORN VEGARD, NO
[73] EQUINOR ENERGY AS, NO
[85] 2017-09-12
[86] 2016-03-16 (PCT/NO2016/050049)
[87] (WO2016/148578)
[30] GB (PCT/GB2015/050774) 2015-03-17

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[25] EN
[54] **PIPERAZINE CARBAMATES AND METHODS OF MAKING AND USING SAME**
[54] **CARBAMATES DE PIPERAZINE ET PROCEDES DE PREPARATION ET D'UTILISATION DE CEUX-CI**
[72] CISAR, JUSTIN S., US
[72] GRICE, CHERYL A., US
[72] JONES, TODD K., US
[72] WEBER, OLIVIA D., US
[72] WANG, DONG-HUI, US
[73] H. LUNDBECK A/S, DK
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[87] (WO2016/149401)
[30] US (62/135,072) 2015-03-18

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[25] EN
[54] **SYSTEMS AND METHODS FOR READING MACHINE-READABLE LABELS ON SAMPLE RECEPTACLES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE LIRE DES ETIQUETTES LISIBLES PAR MACHINE SUR DES RECIPIENTS D'ECHANTILLONS**
[72] HAGEN, NORBERT, US
[72] OPALSKY, DAVID, US
[72] SILBERT, ROLF, US
[73] GEN-PROBE INCORPORATED, US
[85] 2017-09-12
[86] 2016-04-06 (PCT/US2016/026237)
[87] (WO2016/164473)
[30] US (62/143,963) 2015-04-07

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[25] FR
[54] **DEVICE FOR CONTROLLING A ZIP-CLOSURE SYSTEM OF AN ARTICLE AND CORRESPONDING ARTICLE**
[54] **DISPOSITIF DE CONTROLE D'UN SYSTEME DE FERMETURE A GLISSIERE D'UN ARTICLE ET ARTICLE CORRESPONDANT**
[72] TOURRETTE, PHILIPPE, FR
[72] FAUCHER, ALEXANDRE, FR
[73] GENIUS OBJECTS, FR
[85] 2017-09-14
[86] 2016-03-17 (PCT/FR2016/050594)
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[25] EN
[54] **COMPOUND CONTOUR VACUUM TRACK FOR AUTOMATION OF FINAL ASSEMBLY FROM THE INTERIOR OF A FUSELAGE**
[54] **RAIL D'ASPIRATION DE CONTOUR COMPOSE DESTINE A L'AUTOMATISATION DE L'ASSEMBLAGE FINAL A PARTIR DE L'INTERIEUR D'UN FUSELAGE**
[72] CHAN, KWOK TUNG, JR., US
[72] SISCO, TANNI, US
[72] HARTMANN, JOHN, US
[72] TOMCHICK, SCOTT CHARLES, US
[72] MESTEMACHER, FRANK CHARLES, US
[72] HANSONSMITH, RILEY, US
[73] THE BOEING COMPANY, US
[86] (2979790)
[87] (2979790)
[22] 2017-09-20
[30] US (15/365426) 2016-11-30

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[13] C
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[25] EN
[54] **ISOLATED PEPTIDES AND FRAGMENTS THEREOF FROM FIBRINOGEN FOR USE AS DRUGS, PARTICULARLY IN SKIN INFLAMMATORY DISEASES**
[54] **PEPTIDES ET FRAGMENTS DE CEUX-CI ISOLES A PARTIR DE FIBRINOGENE POUR UTILISATION EN TANT QUE MEDICAMENTS, EN PARTICULIER DANS DES MALADIES INFLAMMATOIRES CUTANEES**
[72] DUPIN, NICOLAS, FR
[72] GRANGE, PHILIPPE, FR
[72] CALVEZ, VINCENT, FR
[72] RAINGEAUD, JOEL, FR
[73] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] INSTITUT GUSTAVE-ROUSSY, FR
[73] SORBONNE UNIVERSITE, FR
[73] UNIVERSITE PARIS-SACLAY, FR
[73] UNIVERSITE PARIS CITE, FR
[85] 2017-09-14
[86] 2016-03-21 (PCT/EP2016/056179)
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[30] EP (15305414.3) 2015-03-20

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[51] **Int.Cl. C07D 211/94 (2006.01) C07C 7/20 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C08F 2/40 (2006.01)**
[25] EN
[54] **THE USE OF STABLE LIPOPHILIC HYDROXYLAMINE COMPOUNDS FOR INHIBITING POLYMERIZATION OF VINYL MONOMERS**
[54] **UTILISATION DE COMPOSES D'HYDROXYLAMINE LIPOPHILE STABLE POUR L'INHIBITION DE LA POLYMERISATION DE MONOMERES DE VINYLE**
[72] MASERE, JONATHAN, US
[72] NEILSON, ANDREW, US
[72] WATSON, RUSSELL, US
[73] ECOLAB USA INC., US
[85] 2017-09-14
[86] 2016-03-17 (PCT/US2016/022731)
[87] (WO2016/149433)
[30] US (62/134,811) 2015-03-18

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[13] C
[51] **Int.Cl. G01S 17/894 (2020.01)**
[25] EN
[54] **DEPTH FIELD IMAGING APPARATUS, METHODS, AND APPLICATIONS**
[54] **APPAREIL D'IMAGERIE A PROFONDEUR DE CHAMP, PROCEDES ET APPLICATIONS**
[72] MOLNAR, ALYOSHA, US
[72] JAYASURIYA, SUREN, US
[72] SIVARAMAKRISHNAN, SRIRAM, US
[73] CORNELL UNIVERSITY, US
[85] 2017-09-14
[86] 2016-03-17 (PCT/US2016/022741)
[87] (WO2016/149438)
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[51] **Int.Cl. B02C 23/20 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING A TREATMENT FLUID**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'UN FLUIDE DE TRAITEMENT**
[72] RAMESH, AVINASH, US
[72] HODGSON, KIM, US
[72] SRIDHAR, GARUD BINDIGANAVALE, US
[72] PHAM, HAU NGUYEN-PHUC, US
[72] HUEY, WILLIAM TROY, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-09-15
[86] 2016-02-26 (PCT/US2016/019707)
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[30] US (14/661,709) 2015-03-18

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[51] **Int.Cl. A61K 41/00 (2020.01) A61K 31/409 (2006.01) A61P 35/00 (2006.01) C07D 487/22 (2006.01)**
[25] EN
[54] **ATROPISOMERS OF HALOGENATED TETRAPHENYLBACTERIOCHLORINS AND CHLORINS AND THEIR USE IN PHOTODYNAMIC THERAPY**
[54] **ATROPISOMERES DE TETRAPHENYLBACTERIOCHLORINES ET CHLORINES HALOGENEES ET LEUR UTILISATION EN THERAPIE PHOTODYNAMIQUE**
[72] FERREIRA GONCALVES, NUNO PAULO, PT
[72] CERCA MARTINS DOS SANTOS, TANIA PATRICIA, PT
[72] PEREIRA NASCIMENTO COSTA, GONCALO, PT
[72] PEREIRA MONTEIRO, CARLOS JORGE, PT
[72] SCHABERLE, FABIO ANTONIO, PT
[72] CORREIA ALFAR, SONIA, PT
[72] REIS DE ABREU, ARTUR CARLOS, PT
[72] MIGUENS PEREIRA, MARIA, PT
[72] DA SILVA ARNAUT MOREIRA, LUIS GUILHERME, PT
[73] LUZITIN, S.A., PT
[73] UNIVERSIDADE DE COIMBRA, PT
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[25] EN
[54] **MICROCARRIERS, MATRICES AND SCAFFOLDS FOR CULTURING MAMMALIAN CELLS AND METHODS OF MANUFACTURE**
[54] **MICRO-SUPPORTS, MATRICES ET ECHAFAUDAGES POUR LA CULTURE DE CELLULES DE MAMMIFERE ET PROCEDES DE FABRICATION**
[72] MITCHELL, JAMES W., US
[72] YANG, DAZHI, US
[73] HOWARD UNIVERSITY, US
[85] 2017-09-20
[86] 2016-03-18 (PCT/US2016/023248)
[87] (WO2016/154048)
[30] US (62/136,241) 2015-03-20

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[51] **Int.Cl. H04W 74/00 (2009.01)**
[25] EN
[54] **METHOD FOR SENDING UPLINK MULTI-USER TRANSMISSION TRIGGER FRAME, ACCESS POINT, AND STATION**
[54] **PROCEDE PERMETTANT D'ENVOYER UNE TRAME DE DECLENCHEMENT DE TRANSMISSION MULTI-UTILISATEUR EN LIAISON MONTANTE, POINT D'ACCES ET STATION**
[72] GUO, YUCHEN, CN
[72] LIN, MEILU, CN
[72] YANG, XUN, CN
[72] YU, JIAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-09-22
[86] 2015-04-17 (PCT/CN2015/076889)
[87] (WO2016/149970)
[30] CN (PCT/CN2015/074951) 2015-03-24

[11] **2,980,624**
[13] C
[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6848 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6865 (2018.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOLID PHASE NUCLEIC ACID TARGET CAPTURE AND REPLICATION USING STRAND DISPLACING POLYMERASES**
[54] **CAPTURE ET REPLICATION DE CIBLE D'ACIDE NUCLEIQUE EN PHASE SOLIDE A L'AIDE DE POLYMERASES DEPLACANT LES BRINS**
[72] ENGLERT, DAVID FREDERICK, US
[72] SETO, KELLY KAI YIN, CA
[73] ANGLE EUROPE LIMITED, GB
[85] 2017-09-22
[86] 2016-03-29 (PCT/CA2016/050367)
[87] (WO2016/149837)
[30] US (62/138,191) 2015-03-25

[11] **2,980,633**
[13] C
[51] **Int.Cl. A47J 47/00 (2006.01) B26D 7/20 (2006.01)**
[25] EN
[54] **CUTTING BOARD SYSTEMS**
[54] **SYSTEMES DE PLANCHE A DECOUPER**
[72] ECKHOLM, SHERRY, US
[72] POSTER, MATTHEW J., US
[72] HARRIS, CHRISTOPHER A., US
[72] BABCOCK, KATIE, US
[72] MUENSTERMANN, MIKE, US
[72] YOUNG, MICHAEL, US
[72] ALBRECHT, BRIAN, US
[73] SAN JAMAR, INC., US
[86] (2980633)
[87] (2980633)
[22] 2017-09-28
[30] US (62/400,664) 2016-09-28
[30] US (15/717,385) 2017-09-27

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[25] EN
[54] **CONTINUOUS PRODUCTION OF PARTICLES**
[54] **PRODUCTION CONTINUE DE PARTICULES**
[72] FONSECA, TIAGO, PT
[72] DUARTE, IRIS, PT
[72] TEMTEM, MARCIO, PT
[72] VICENTE, JOAO, PT
[73] HOVIONE SCIENTIA LIMITED, IE
[85] 2017-09-27
[86] 2016-03-30 (PCT/GB2016/050894)
[87] (WO2016/156841)
[30] PT (108368) 2015-03-31

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[13] C
[51] **Int.Cl. G01S 13/44 (2006.01) F42B 15/01 (2006.01) G01S 7/292 (2006.01)**
[25] EN
[54] **IMPROVEMENTS RELATING TO MONOPULSE RADAR APPARATUS**
[54] **AMELIORATIONS APPORTEES A UN APPAREIL RADAR MONO-IMPULSION**
[72] SHERET, TAMARA LOUISE, GB
[73] MBDA UK LIMITED, GB
[85] 2017-09-27
[86] 2016-03-31 (PCT/GB2016/050901)
[87] (WO2016/156847)
[30] GB (1505562.7) 2015-03-31
[30] EP (15275107.9) 2015-03-31

[11] **2,981,345**
[13] C
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 21/12 (2006.01)**
[25] EN
[54] **BOOM COASTER**
[54] **MONTAGNES RUSSES A BRAS**
[72] VANCE, ERIC A., US
[72] PARR, ERIC, US
[72] COUP, THIERRY, US
[72] MCVEEN, KEITH MICHAEL, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-09-28
[86] 2016-03-31 (PCT/US2016/025280)
[87] (WO2016/161122)
[30] US (62/141,044) 2015-03-31
[30] US (62/171,682) 2015-06-05
[30] US (15/085,898) 2016-03-30

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[13] C
[51] **Int.Cl. E21B 29/00 (2006.01) E21B 29/08 (2006.01) E21B 29/10 (2006.01) E21B 33/12 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **WELLBORE PLUG AND ABANDONMENT**
[54] **BOUCHAGE ET ABANDON PUITS DE FORAGE**
[72] PIPCHUK, DOUGLAS, CA
[72] COOPER, IAIN MICHAEL, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-10-02
[86] 2016-04-01 (PCT/US2016/025551)
[87] (WO2016/161283)
[30] US (62/142,326) 2015-04-02

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[13] C
[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/4196 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **ANTIFUNGAL 4-(4-(4-(4-(((3R,5R)-5-((1 H-1,2,4-TRIAZOL-1-YL)METHYL)-5-(2,4-DIFLUOROPHENYL)TETRAHYDROFURAN-3-YL)METHOXY)-3-METHYLPHENYL)PIPERAZIN-1-YL)-N-(2-HYDROXYCYCLOHEXYL) BENZAMIDE, OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF**
[54] **BENZAMIDE 4-(4-(4-(4-(((3R,5R)-5-((1H-1,2,4-TRIAZOL-1-YL)METHYL)-5-(2,4-DIFLUOROPHENYL)TETRAHYDROFURAN-3-YL)METHOXY)-3-METHYLPHENYL)PIPERAZIN-1-YL)-N-(2-HYDROXYCYCLOHEXYL) ANTIFONGIQ UE, OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI**
[72] COLLEY, THOMAS CHRISTOPHER, GB
[72] ITO, KAZUHIRO, GB
[72] STRONG, PETER, GB
[72] SUNOSE, MIHIRO, GB
[72] MCCONVILLE, MATTHEW, GB
[73] PULMOCIDE LIMITED, GB
[85] 2017-10-05
[86] 2016-05-20 (PCT/GB2016/051467)
[87] (WO2016/185225)
[30] EP (15168637.5) 2015-05-21

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[51] **Int.Cl. B29C 71/02 (2006.01) A61M 39/08 (2006.01) C08J 3/28 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **IRRADIATION AND POST-CURE PROCESSING OF ELASTOMERIC TUBING**
[54] **IRRADIATION ET TRAITEMENT POSTDURCISSEMENT D'UNE TUBULURE ELASTOMERE**
[72] BAVARO, VINCENT, US
[73] CAREFUSION 303, INC., US
[85] 2017-10-06
[86] 2016-04-11 (PCT/US2016/026969)
[87] (WO2016/168121)
[30] US (14/688,972) 2015-04-16

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[13] C
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/42 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **ANTIBODY-MEDIATED NEUTRALIZATION OF CHIKUNGUNYA VIRUS**
[54] **NEUTRALISATION DU VIRUS DU CHIKUNGUNYA A MEDIATION PAR DES ANTICORPS**
[72] CROWE, JAMES E., JR., US
[72] SMITH, SCOTT A., US
[72] DERMODY, TERENCE, US
[72] SILVA, LAURIE, US
[73] VANDERBILT UNIVERSITY, US
[85] 2017-10-11
[86] 2016-04-14 (PCT/US2016/027466)
[87] (WO2016/168417)
[30] US (62/147,354) 2015-04-14

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[13] C
[51] **Int.Cl. B64D 37/00 (2006.01) B64C 1/14 (2006.01) B64D 37/06 (2006.01) F02C 7/22 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **AN AIRCRAFT, AN AIRCRAFT FUEL SYSTEM, AN AIRCRAFT FUEL PUMP ASSEMBLY, AND A MANHOLE COVER FOR AN AIRCRAFT**
[54] **AERONEF, SYSTEME DE CARBURANT D'AERONEF, ASSEMBLAGE DE POMPE A CARBURANT D'AERONEF ET TAMPON POUR AERONEF**
[72] EGNER, JOHN, GB
[72] BRADSHAW, NIGEL, GB
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-10-12
[86] 2016-04-22 (PCT/EP2016/059000)
[87] (WO2016/170108)
[30] GB (1506838.0) 2015-04-22

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[13] C
[51] **Int.Cl. C08F 4/6592 (2006.01) C08F 210/02 (2006.01)**
[25] EN
[54] **CATALYSTS FOR CONTROL OF LONG CHAIN BRANCHING**
[54] **CATALYSEURS POUR COMMANDER LA RAMIFICATION DE CHAINES LONGUES**
[72] CROWTHER, DONNA J., US
[72] HARLAN, C. JEFF, US
[72] LOVELL, JACKIE, US
[72] PENG, HAIQING, US
[73] UNIVATION TECHNOLOGIES, LLC, US
[85] 2017-10-12
[86] 2016-04-14 (PCT/US2016/027563)
[87] (WO2016/168479)
[30] US (62/148,922) 2015-04-17

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[13] C
[51] **Int.Cl. B01F 21/00 (2022.01) B01F 23/23 (2022.01) B01F 35/222 (2022.01) B01F 35/71 (2022.01) B01F 35/75 (2022.01) A61H 33/14 (2006.01)**
[25] EN
[54] **NITRIC OXIDE (NO) ACCUMULATION APPARATUS**
[54] **APPAREIL POUR L'ACCUMULATION D'OXYDE NITRIQUE (NO)**
[72] ERMATOV, ARTHUR, DE
[72] HEMMRICH, KARSTEN, DE
[72] ARSHI, ANNAHIT, DE
[72] SCHULZE, CHRISTIAN, DE
[73] BSN MEDICAL GMBH, DE
[85] 2017-10-13
[86] 2016-04-15 (PCT/EP2016/058454)
[87] (WO2016/166347)
[30] EP (15163881.4) 2015-04-16

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[13] C
[51] **Int.Cl. F25D 3/00 (2006.01) B65D 81/18 (2006.01) F25D 3/08 (2006.01)**
[25] EN
[54] **VESSEL ASSEMBLIES FOR TEMPERATURE CONTROL**
[54] **ENSEMBLES RECIPIENTS POUR REGULATION DE LA TEMPERATURE**
[72] KILMER, DEREK S., US
[72] SULLIVAN, JEFFREY R., US
[72] WYRSTA, MICHAEL, US
[72] KOMON, ZACHARY, US
[73] AMERICAN AEROGEL CORPORATION, US
[85] 2017-10-13
[86] 2016-04-14 (PCT/US2016/027638)
[87] (WO2016/168523)
[30] US (62/147,631) 2015-04-15

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[13] C
[51] **Int.Cl. G07D 7/12 (2016.01) G07D 7/20 (2016.01)**
[25] FR
[54] **METHOD FOR VERIFYING A SECURITY DEVICE COMPRISING A SIGNATURE**
[54] **PROCEDE DE VERIFICATION D'UN DISPOSITIF DE SECURITE COMPORTANT UNE SIGNATURE**
[72] BERTHE, BENOIT, FR
[72] VANDROUX, CORALIE, FR
[72] MOREL, YVONNIC, FR
[73] OBERTHUR TECHNOLOGIES, FR
[85] 2017-10-16
[86] 2016-04-15 (PCT/FR2016/050880)
[87] (WO2016/166490)
[30] FR (1553437) 2015-04-17

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[13] C
[51] **Int.Cl. A61K 31/445 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **COMBINATION OF DOPAMINE STABILIZING AGENT AND AN ANTI-DEPRESSIVE AGENT TO TREAT A DISORDER CHARACTERIZED BY DEBILITATING FATIGUE**
[54] **COMBINAISON D'UN AGENT DE STABILISATION DE LA DOPAMINE ET D'UN AGENT ANTIDEPRESSEUR POUR TRAITER UN TROUBLE CARACTERISE PAR LA FATIGUE CHRONIQUE**
[72] CARLSSON, ARVID, SE
[72] GOTTFRIES, CARL-GERHARD, SE
[73] ARVID CARLSSON RESEARCH AB, SE
[85] 2017-10-16
[86] 2016-05-11 (PCT/EP2016/060562)
[87] (WO2016/180879)
[30] SE (1550618-1) 2015-05-13

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[13] C
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 6/46 (2018.01) A01H 5/00 (2018.01) C07K 14/825 (2006.01)**
[25] EN
[54] **PLANT PROMOTER FOR TRANSGENE EXPRESSION**
[54] **PROMOTEUR VEGETAL POUR L'EXPRESSION D'UN TRANSGENE**
[72] KUMAR, SANDEEP, US
[72] HEMINGWAY, DAREN, US
[72] AUSMUS, CARLA, US
[72] WORDEN, ANDREW F., US
[72] ASBERRY, ANDREW, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2017-10-06
[86] 2016-04-13 (PCT/US2016/027188)
[87] (WO2016/168230)
[30] US (62/147,844) 2015-04-15

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[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/74 (2006.01) A61K 31/765 (2006.01) A61L 27/44 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **TRIGGERABLE SHAPE MEMORY INDUCTION DEVICES**
[54] **DISPOSITIFS D'INDUCTION A MEMOIRE DE FORME POUVANT ETRE DECLENCHES**
[72] ZHANG, SHIYI, US
[72] ZHAO, YIDA, US
[72] TRAVERSO, CARLO GIOVANNI, CA
[72] LANGER, ROBERT S., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2017-10-17
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[87] (WO2016/178971)
[30] US (62/156,000) 2015-05-01

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[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/22 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **USE OF STRUCTURALLY ENHANCED FATTY ACIDS CONTAINING SULPHUR FOR PREVENTING AND/OR TREATING NON-ALCOHOLIC STEATOHEPATITIS**
[54] **UTILISATION D'ACIDES GRAS STRUCTURELLEMENT AMELIORES CONTENANT DU SOUFRE POUR PREVENIR ET/OU TRAITER LA STEATOSE HEPATIQUE NON ALCOOLIQUE**
[72] STEINEGER, HILDE, NO
[73] PRONOVA BIOPHARMA NORGE AS, NO
[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058909)
[87] (WO2016/173923)
[30] NO (20150514) 2015-04-28

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[51] **Int.Cl. B60R 25/102 (2013.01) B60P 1/64 (2006.01)**
[25] EN
[54] **INTERMODAL ASSET IDENTIFICATION AND ASSOCIATION SYSTEM**
[54] **SYSTEME INTERMODAL D'IDENTIFICATION ET D'ASSOCIATION DE MATERIELS**
[72] MANSURI, PARVEZ, US
[72] HECK, MARK, US
[72] MAGUIRE, SEAN, AU
[73] REFRIDGERATED TRANSPORT TECHNOLOGIES LLC, US
[73] ADVENT INTERMODAL SOLUTIONS, US
[85] 2017-10-19
[86] 2016-04-20 (PCT/US2016/028471)
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[30] US (62/149,832) 2015-04-20

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[25] EN
[54] **MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM**
[54] **SYSTEME DE LAMPE MULTI-CANAL ET PROCEDE A SPECTRE MIXTE**
[72] VICK, KEVIN JAMES, US
[72] ALLEN, GARY ROBERT, US
[72] BOYLE, THOMAS JOHN, US
[72] CHOWDHURY, ASHFAQUL ISLAM, US
[72] DUDIK, DAVID C., US
[73] SAVANT TECHNOLOGIES LLC, US
[85] 2017-10-19
[86] 2016-04-11 (PCT/US2016/026871)
[87] (WO2016/171932)
[30] US (62/150,800) 2015-04-21
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[25] EN
[54] **DEVICE AND PROCESS FOR AUTOMATED EXTRACTION OF NUCLEIC ACIDS**
[54] **DISPOSITIF ET PROCEDE PERMETTANT L'EXTRACTION AUTOMATISEE D'ACIDES NUCLEIQUES**
[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE
[73] IST INNUSCREEN GMBH, DE
[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054180)
[87] (WO2016/169679)
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[30] DE (10 2015 211 393.0) 2015-06-19
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[51] **Int.Cl. B65H 19/30 (2006.01) B65H 18/26 (2006.01) B65H 19/22 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR PRODUCING BOBBINS OF STRETCH FILM**
[54] **MACHINE ET PROCEDE POUR PRODUIRE DES BOBINES DE FILM ETIRABLE**
[72] PROVERA, VANDER, IT
[73] AMUT S.P.A., IT
[85] 2017-10-23
[86] 2016-05-05 (PCT/EP2016/060129)
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[30] EP (15166350.7) 2015-05-05

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[51] **Int.Cl. E04D 1/00 (2006.01) E04G 23/02 (2006.01)**
[25] EN
[54] **REROOFING SHINGLE**
[54] **BARDEAU DE REMPLACEMENT DE TOITURE**
[72] KASPRZAK, CHRISTOPHER P., US
[72] PANELLI, ANDREW, US
[72] ELLIOTT, BERT W., US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[86] (2983847)
[87] (2983847)
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[25] EN
[54] **PORTABLE SYSTEM AND METHODOLOGY THAT FACILITATES DUST COLLECTION WITHIN A SILO APPARATUS**
[54] **METHODOLOGIE DE SYSTEME PORTATIF QUI FACILITE LA COLLECTE DE POUSSIERE DANS UN APPAREIL A SILO**
[72] GUTH, JOEL, US
[72] GUTH, PAUL W., US
[73] JPL GLOBAL, LLC, US
[85] 2017-10-25
[86] 2016-05-06 (PCT/US2016/031333)
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[30] US (62/158,525) 2015-05-07
[30] US (14/836,934) 2015-08-26

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[25] EN
[54] **GYRO-BASED SURVEYING TOOL AND METHOD FOR SURVEYING**
[54] **OUTIL D'ARPENTAGE GYROSCOPIQUE ET PROCEDE D'ARPENTAGE**
[72] PECO, THIMAQ TIM, SE
[72] HULDEN, JARL, SE
[73] LKAB WASSARA AB, SE
[85] 2017-10-25
[86] 2016-05-03 (PCT/SE2016/050392)
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[30] SE (1550553-0) 2015-05-04

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[51] **Int.Cl. F25J 3/02 (2006.01) F25J 3/08 (2006.01)**
[25] EN
[54] **PREPARING HYDROCARBON STREAMS FOR STORAGE**
[54] **PREPARATION DE COURANTS D'HYDROCARBURES A DES FINS DE STOCKAGE**
[72] KENNEDY, DAVID ALLEN, US
[72] SALAMON, MARK MULHERIN, US
[72] YOUNT, CHRISTOPHER SCOTT, US
[73] BAKER HUGHES ENERGY SERVICES LLC, US
[85] 2017-10-26
[86] 2016-04-08 (PCT/US2016/026616)
[87] (WO2016/178792)
[30] US (62/156,664) 2015-05-04
[30] US (14/974,602) 2015-12-18

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[51] **Int.Cl. F17D 5/06 (2006.01) H04W 4/38 (2018.01) E03B 7/07 (2006.01) F16L 55/00 (2006.01) G01M 3/00 (2006.01) G01M 7/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR THE DETECTION AND MONITORING OF THE CONDITION OF PIPELINE COMPONENTS**
[54] **APPAREIL ET PROCEDE DE DETECTION ET DE SURVEILLANCE DE L'ETAT DE COMPOSANTS DE PIPELINE**
[72] WAYMAN, MALCOLM, GB
[73] ADVANCED ENGINEERING SOLUTIONS LIMITED, GB
[85] 2017-10-31
[86] 2016-03-29 (PCT/GB2016/050875)
[87] (WO2016/156829)
[30] GB (1505282.2) 2015-03-27
[30] GB (1506443.9) 2015-04-16

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[13] C
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[25] EN
[54] **ETHYNYL DERIVATIVES AS METABOTROPIC GLUTAMATE RECEPTOR MODULATORS**
[54] **DERIVES D'ETHYNYLE A TITRE DE MODULATEURS DU RECEPTEUR METABOTROPIQUE DU GLUTAMATE**
[72] BIEMANS, BARBARA, CH
[72] GUBA, WOLFGANG, CH
[72] JAESCHKE, GEORG, CH
[72] LINDEMANN, LOTHAR, CH
[72] O`HARA, FIONN, CH
[72] RICCI, ANTONIO, CH
[72] RUEHER, DANIEL, CH
[72] VIEIRA, ERIC, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-11-01
[86] 2016-07-11 (PCT/EP2016/066393)
[87] (WO2017/009275)
[30] EP (15176854.6) 2015-07-15

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[13] C
[51] **Int.Cl. G01V 1/52 (2006.01) B06B 1/18 (2006.01) E21B 41/00 (2006.01) E21B 47/00 (2012.01) G01V 1/133 (2006.01)**
[25] EN
[54] **DOWNHOLE INERTIAL MASS SYSTEM**
[54] **SYSTEME A MASSE D'INERTIE DE FOND DE TROU**
[72] EICK, PETER, US
[72] BREWER, JOEL, US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2017-11-01
[86] 2016-04-27 (PCT/US2016/029521)
[87] (WO2016/176303)
[30] US (62/154,438) 2015-04-29
[30] US (15/139,823) 2016-04-27

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[13] C
[51] **Int.Cl. F16L 5/08 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **WEDGE OF A LEAD-THROUGH SYSTEM**
[54] **CALE D'UN SYSTEME DE TRAVERSEE**
[72] MILTON, STEFAN, SE
[73] ROXTEC AB, SE
[85] 2017-11-02
[86] 2016-05-03 (PCT/SE2016/050400)
[87] (WO2016/178624)
[30] SE (1550565-4) 2015-05-04

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[13] C
[51] **Int.Cl. G06F 15/00 (2006.01) H04N 5/76 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **IDENTIFYING AND TRACKING VEHICLES IN MOTION**
[54] **IDENTIFICATION ET SUIVI DE VEHICULES EN MOUVEMENT**
[72] KRISHNAMOORTHY, LOKESH BABU, US
[72] DE LEON, FRANCISCO, US
[72] VUDUMULA, MADHAVI, US
[72] HACKETT, AILEEN MARGARET, US
[73] UBICQUIA IQ LLC, US
[85] 2017-11-02
[86] 2016-04-17 (PCT/US2016/028021)
[87] (WO2016/168790)
[30] US (62/149,341) 2015-04-17
[30] US (62/149,345) 2015-04-17
[30] US (62/149,350) 2015-04-17
[30] US (62/149,354) 2015-04-17
[30] US (62/149,359) 2015-04-17
[30] US (15/099,357) 2016-04-14

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[13] C
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4178 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/4439 (2006.01) A61P 25/00 (2006.01) C07D 405/14 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **2-(1-HETEROARYLPIPERAZIN-4-YL)METHYL-1,4-BENZODIOXANE DERIVATIVES AS ALPHA2C ANTAGONISTS**
[54] **DERIVES DE 2-(1-HETEROARYLPIPERAZIN-4-YL)METHYL-1,4-BENZODIOXANE A UTILISER N EN TANT QU'ANTAGONISTES D'ALPHA2C**
[72] WANG, SHOUMING, FI
[72] KUMPULAINEN, ESA, FI
[72] PYSTYNEN, JARMO, FI
[72] POHJAKALLIO, ANTTI, FI
[72] HAIKARAINEN, ANSSI, FI
[73] ORION CORPORATION, FI
[85] 2017-11-08
[86] 2016-06-03 (PCT/FI2016/050400)
[87] (WO2016/193551)
[30] FI (20150169) 2015-06-05

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[13] C
[51] **Int.Cl. E04G 11/42 (2006.01) E02D 27/01 (2006.01) E02D 27/32 (2006.01) E04B 5/16 (2006.01) E04G 9/00 (2006.01) E04G 11/36 (2006.01)**
[25] EN
[54] **A MODULE FOR A STRUCTURE**
[54] **MODULE POUR STRUCTURE**
[72] MULLANEY, NICHOLAS BRUCE, AU
[72] HOWELL, JAMES RICHARD, AU
[73] LIFTING POINT PRE-FORM PTY LIMITED, AU
[85] 2017-11-09
[86] 2016-05-20 (PCT/AU2016/050390)
[87] (WO2016/183639)
[30] AU (2015901870) 2015-05-21

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[13] C
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **BIG DRILLING DATA ANALYTICS ENGINE**
[54] **GRAND MOTEUR D'ANALYSE DE DONNEES DE FORAGE**
[72] ANNO, PHIL D., US
[72] PHAM, SON, US
[72] RAMSAY, STACEY C., US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2017-11-09
[86] 2016-05-12 (PCT/US2016/032019)
[87] (WO2016/183286)
[30] US (62/160,998) 2015-05-13
[30] US (15/152,808) 2016-05-12

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[51] **Int.Cl. H03F 1/26 (2006.01) B25J 9/06 (2006.01) B25J 17/02 (2006.01) H03F 3/45 (2006.01)**
[25] EN
[54] **COMPACT RESOLVER PRE-AMPLIFICATION ASSEMBLY (RPA) MODULE**
[54] **MODULE D'ENSEMBLE DE PREAMPLIFICATION DE RESOLVEUR (RPA) COMPACT**
[72] ROSSLAND, ERIC, US
[72] FRATTA, MARK, US
[72] LEVANAS, GREG, US
[73] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE NAVY, US
[85] 2017-11-10
[86] 2016-05-12 (PCT/US2016/032145)
[87] (WO2016/183343)
[30] US (62/160,179) 2015-05-12

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[13] C
[51] **Int.Cl. A61L 9/12 (2006.01) B60H 3/00 (2006.01)**
[25] EN
[54] **AIR FRESHENER FOR VEHICLES**
[54] **DESODORISANT POUR VEHICULES**
[72] GOBBER, CEDRIC, ES
[72] GUIU PONT, JORDI, ES
[73] ZOBELE HOLDING S.P.A., IT
[85] 2017-11-14
[86] 2016-05-13 (PCT/EP2016/060836)
[87] (WO2016/180965)
[30] ES (P201530656) 2015-05-14

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[13] C
[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/24 (2006.01) A47J 31/34 (2006.01)**
[25] EN
[54] **A CAPSULE, A SYSTEM FOR PREPARING A POTABLE BEVERAGE FROM SUCH A CAPSULE AND USE OF SUCH A CAPSULE IN A BEVERAGE PREPARATION DEVICE**
[54] **CAPSULE, SYSTEME DE PREPARATION D'UNE BOISSON POTABLE A PARTIR D'UNE TELLE CAPSULE ET UTILISATION D'UNE TELLE CAPSULE DANS UN DISPOSITIF DE PREPARATION DE BOISSON**
[72] DIJKSTRA, HIELKE, NL
[72] GROOTHORNTE, AREND HENDRIK, NL
[72] VAN GAASBEEK, ERIK PIETER, NL
[72] OTTENSCHOT, MARC HENRIKUS JOSEPH, NL
[72] KAMERBEEK, RALF, NL
[72] EIJSACKERS, ARMIN SJOERD, NL
[72] FLAMAND, JOHN HENRI, NL
[72] HALLIDAY, ANDREW MICHAEL, NL
[72] HANSEN, NICHOLAS ANDREW, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-11-14
[86] 2016-05-13 (PCT/NL2016/050350)
[87] (WO2016/186496)
[30] NL (PCT/NL2015/050352) 2015-05-15
[30] NL (PCT/NL2015/000018) 2015-05-15
[30] NL (PCT/NL2015/050349) 2015-05-15
[30] NL (PCT/NL2015/050611) 2015-09-03

[11] **2,986,062**
[13] C
[51] **Int.Cl. E21F 15/00 (2006.01)**
[25] EN
[54] **FULLY MECHANIZED MINING-FILLING MIXED MINING WORKING FACE FILLING SECTION LENGTH DETERMINATION METHOD**
[54] **METHODE DE DETERMINATION DE LA LONGUEUR D'UNE SECTION DE REMPLISSAGE DANS UN FRONT DE TAILLE MINIER MIXTE A EXTRACTION-REMPLISSAGE ENTIEREMENT MECANISE**
[72] ZHANG, JIXIONG, CN
[72] SUN, QIANG, CN
[72] ZHANG, QIANG, CN
[72] YAN, HAO, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2017-11-15
[86] 2016-11-18 (PCT/CN2016/106335)
[87] (WO2017/101634)
[30] CN (201510925707.8) 2015-12-14

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[51] **Int.Cl. F02B 19/12 (2006.01) F02D 19/02 (2006.01) F02D 19/06 (2006.01) F02D 41/00 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE**
[72] FUCHS, JOCHEN, AT
[73] INNIO JENBACHER GMBH & CO OG, AT
[85] 2017-11-16
[86] 2016-05-04 (PCT/AT2016/050124)
[87] (WO2016/187628)
[30] AT (A 328/2015) 2015-05-26

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[13] C
[51] **Int.Cl. E04C 2/30 (2006.01) E04B 1/343 (2006.01) E04C 2/22 (2006.01)**
[25] EN
[54] **PLASTIC WALL PANEL WITH EDGE REINFORCEMENT**
[54] **PANNEAU DE PAROI DE PLASTIQUE A BORDURE RENFORCEE**
[72] VOGLER, MICHAEL R., US
[72] REYBURN, JUSTIN C., US
[73] SUNCAST TECHNOLOGIES, LLC, US
[86] (2986288)
[87] (2986288)
[22] 2017-11-21
[30] US (62/425,452) 2016-11-22
[30] US (15/814,985) 2017-11-16

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[51] **Int.Cl. G06T 17/05 (2011.01) G06T 19/00 (2011.01) B29C 67/00 (2017.01) G06T 7/60 (2017.01) G06T 17/20 (2006.01)**
[25] EN
[54] **BASE MEMBER AND AN RFID MEMBER FOR 3D IMAGE CREATION**
[54] **COMPOSANT DE BASE ET UN COMPOSANT RFID POUR CREATION D'IMAGES 3D**
[72] BERGQVIST, GORAN L., SE
[73] ADVANCED TECHNICAL SOLUTIONS IN SCANDINAVIA AB, SE
[85] 2017-11-17
[86] 2016-05-18 (PCT/SE2016/050448)
[87] (WO2016/186557)
[30] SE (1530070-0) 2015-05-19

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[13] C
[51] **Int.Cl. H04W 4/18 (2009.01) H04W 4/12 (2009.01) H04W 72/02 (2009.01)**
[25] EN
[54] **CAPTURING DATA FROM A MOBILE DEVICE IN AN OFF-NETWORK ENVIRONMENT**
[54] **CAPTURE DE DONNEES A PARTIR D'UN DISPOSITIF MOBILE DANS UN ENVIRONNEMENT HORS RESEAU**
[72] ARZELIER, CLAUDE JEAN-FREDERIC, FR
[72] BUCKLEY, ADRIAN, US
[72] VUTUKURI, ESWAR, GB
[72] ALFANO, NICHOLAS PATRICK, CA
[73] BLACKBERRY LIMITED, CA
[85] 2017-11-21
[86] 2016-06-02 (PCT/CA2016/050627)
[87] (WO2016/191877)
[30] EP (15305855.7) 2015-06-04

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[13] C
[51] **Int.Cl. A61K 35/20 (2006.01) A61P 1/16 (2006.01) A61P 7/06 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 31/10 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) A61P 39/06 (2006.01)**
[25] EN
[54] **BETA-CASEIN A2 AND ANTIOXIDANT CAPACITY**
[54] **BETA-CASEINE A2 ET CAPACITE ANTIOXYDANTE**
[72] CLARKE, ANDREW JOHN, NZ
[73] THE A2 MILK COMPANY LIMITED, NZ
[85] 2017-11-22
[86] 2016-05-20 (PCT/NZ2016/050081)
[87] (WO2016/190750)
[30] US (62/165,854) 2015-05-22

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[13] C
[51] **Int.Cl. C04B 28/04 (2006.01) C04B 24/02 (2006.01) C04B 24/32 (2006.01)**
[25] EN
[54] **CONCRETE COMPOSITION WITH REDUCED DRYING TIME ONCE HARDENED**
[54] **COMPOSITION DE BETON PRESENTANT UN TEMPS DE SECHAGE REDUIT UNE FOIS DURCI**
[72] BABAYAN, DAVID, CH
[72] BAALBAKI, MOUSSA, CH
[72] GONG, BILL (CHUNMING), CA
[73] HOLCIM TECHNOLOGY LTD, CH
[85] 2017-11-23
[86] 2016-05-18 (PCT/IB2016/000665)
[87] (WO2016/189373)
[30] AT (A 329/2015) 2015-05-26

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[13] C
[51] **Int.Cl. F16B 12/20 (2006.01) A47B 96/00 (2006.01) F16B 12/10 (2006.01) F16B 12/24 (2006.01) F16B 13/10 (2006.01)**
[25] EN
[54] **JOINING DEVICE WITH MINIMUM VISIBILITY FOR PARTS OF FURNITURE AND FURNISHING ITEMS**
[54] **DISPOSITIF D'ASSEMBLAGE AVEC VISIBILITE MINIMALE POUR DES PIECES DE MEUBLE ET DES ARTICLES D'AMEUBLEMENT**
[72] CATTANEO, CARLO, IT
[73] LEONARDO S.R.L., IT
[85] 2017-11-28
[86] 2016-07-01 (PCT/EP2016/065527)
[87] (WO2017/005632)
[30] IT (102015000031402) 2015-07-07

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[13] C
[51] **Int.Cl. C12N 1/19 (2006.01) C12P 19/00 (2006.01)**
[25] EN
[54] **FERMENTATION METHODS FOR PRODUCING STEVIOL GLYCOSIDES USING HIGH PH AND COMPOSITIONS OBTAINED THEREFROM**
[54] **PROCEDES DE FERMENTATION PERMETTANT DE PRODUIRE DES GLYCOSIDES DE STEVIOL A L'AIDE D'UN PH ELEVE ET COMPOSITIONS OBTENUES A PARTIR DE CEUX-CI**
[72] ANDERSON, JAMES C., US
[72] ASENSIO, MANUEL QUIROS, DK
[72] CARLSEN, SIMON, DK
[72] CARLSON, TING LIU, US
[72] DOUCHIN, VERONIQUE, DK
[72] FOSMER, ARIENE M., US
[72] SMITS, HANS PETER, DK
[73] CARGILL, INCORPORATED, US
[73] EVOLVA, DK
[85] 2017-11-28
[86] 2016-05-27 (PCT/US2016/034728)
[87] (WO2016/196321)
[30] US (62/168,345) 2015-05-29

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[72] LAWSON, ALASTAIR, GB
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[72] PISKORSKI, WALTER, US
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[72] YANG, YONGLAI, US
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[54] **COMPOSITION ET PROCEDE DE LUTTE CONTRE LES MALADIES DU SOJA**
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[54] **PROCEDE DE CRYOCONSERVATION DE CELLULES A VISEE THERAPEUTIQUE**
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[73] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR
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[72] SATTA, ALESSANDRO, IT
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[54] **ENSEMBLE FILTRE MULTIVOIES AVEC JOINT GAZEUX INTEGRE POUR SYSTEME DE DELIVRANCE DE GAZ CHIRURGICAL MULTIMODAL**
[72] MASTRI, DOMINICK, US
[72] ZERGIEBEL, EARL M., US
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[54] **PROCEDE DE DEMONTAGE D'EQUIPEMENTS A PARTIR D'UNE SECTION D'UN PUITS DE FORAGE ET APPAREIL ASSOCIE**
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[54] **COMPOSITIONS D'ADJUVANT AGRICOLE D'EMULSIONS D'HUILE/TENSIOACTIF/SEL ET PROCEDES D'UTILISATION**
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[72] GOYAL, RAJESH, IN
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[73] KEENE BUILDING PRODUCTS CO., INC., US
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[54] **CAPSULE DE NETTOYAGE D'UNE MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE NETTOYAGE D'UNE CHAMBRE A INFUSION**
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[72] PAHNKE, JAN, DE
[73] MELITTA SINGLE PORTIONS GMBH & CO. KG, DE
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[54] **FORECARRIAGE OF TILTING MOTOR VEHICLE AND MOTOR VEHICLE THEREOF**
[54] **SUSPENSION AVANT DE VEHICULE A MOTEUR**
[72] RAFFAELLI, ANDREA, IT
[73] PIAGGIO & C. S.P.A., IT
[85] 2018-01-25
[86] 2016-07-28 (PCT/IB2016/054524)
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[25] EN
[54] **VIBRATION-DAMPING FERRITIC STAINLESS STEEL MATERIAL, AND PRODUCTION METHOD**
[54] **MATERIAU D'ACIER INOXYDABLE A BASE DE FERRITE DOTE DE PROPRIETES D'AMORTISSEMENT, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] HORI, YOSHIAKI, JP
[72] IMAKAWA, KAZUNARI, JP
[72] SUZUKI, SATOSHI, JP
[73] NIPPON STEEL STAINLESS STEEL CORPORATION, JP
[85] 2018-01-25
[86] 2016-08-10 (PCT/JP2016/073545)
[87] (WO2017/030063)
[30] JP (2015-160305) 2015-08-17

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[54] **METHOD FOR FABRICATION OF FULLY CERAMIC MICROENCAPSULATED NUCLEAR FUEL**
[54] **PROCEDE DE FABRICATION DE COMBUSTIBLE NUCLEAIRE ENTIEREMENT MICRO-ENCAPSULE EN CERAMIQUE**
[72] SNEAD, LANCE LEWIS, US
[73] ULTRA SAFE NUCLEAR CORPORATION, US
[85] 2018-01-25
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[30] US (62/196,975) 2015-07-25

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[25] EN
[54] **SUB-ATMOSPHERIC WOUND THERAPY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE THERAPIE DE PLAIE SOUS-ATMOSPHERIQUE**
[72] SHULER, MICHAEL SIMMS, US
[72] RUNQUIST, LARS, US
[72] CARLSON, ALAN, US
[72] LEINGANG, EVAN, US
[73] J&M SHULER MEDICAL, INC., US
[85] 2018-01-26
[86] 2016-07-26 (PCT/US2016/044014)
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[54] **COOLING PLATE ASSEMBLY FOR AN INJECTION MOLDING MACHINE**
[54] **ENSEMBLE PLAQUE DE REFROIDISSEMENT POUR UNE MACHINE DE MOULAGE PAR INJECTION**
[72] SCHAD, ROBERT D., CA
[72] SICILIA, ROBERTO, CA
[73] MILACRON LLC, US
[85] 2018-02-02
[86] 2016-08-25 (PCT/CA2016/051002)
[87] (WO2017/031589)
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[54] **SELECTED AMIDE OF Y - HYDROXYBUTYRIC ACID AND USES THEREOF IN THE TREATMENT OF ALCOHOL MISUSE**
[54] **AMIDE SELECTIONNE D'ACIDE G-HYDROXYBUTYRIQUE ET SES UTILISATIONS DANS LE TRAITEMENT D'ABUS DE L'ALCOOL**
[72] CACCIAGLIA, ROBERTO, IT
[72] LOCHE, ANTONELLA, IT
[73] LABORATORIO FARMACEUTICO C.T. S.R.L., IT
[85] 2018-02-02
[86] 2016-08-03 (PCT/EP2016/068517)
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[54] **TUMOR THERAPEUTIC AGENT**
[54] **AGENT THERAPEUTIQUE POUR TUMEUR**
[72] OKAMOTO, KIYOSHI, JP
[72] MATSUI,JUNJI, JP
[72] DUTCUS, CORINA, US
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-02-06
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[25] EN
[54] **PHARMACEUTICAL AND OTHER PACKAGING WITH LOW OXYGEN TRANSMISSION RATE**
[54] **CONDITIONNEMENT PHARMACEUTIQUE ET AUTRE PRESENTANT UN FAIBLE TAUX DE TRANSMISSION D'OXYGENE**
[72] WILLS, MATTHEW, US
[72] TAHA, AHMAD, US
[72] WEIKART, CHRISTOPHER, US
[73] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2018-02-08
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[25] EN
[54] **AIRCRAFT COMMUNICATIONS SYSTEM FOR TRANSMITTING DATA**
[54] **SYSTEME DE COMMUNICATION D'AERONEF SERVANT A TRANSMETTRE LES DONNEES**
[72] MATYAS, MICHAEL EDWARD, US
[72] LEE, STEPHEN Y., US
[72] SANDELL, GORDON ROBERT ANDREW, US
[73] THE BOEING COMPANY, US
[86] (2996125)
[87] (2996125)
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[25] EN
[54] **MILKING ROBOT WITH CYLINDER SYSTEM**
[54] **ROBOT DE TRAITE AVEC DISPOSITIF DE CYLINDRE**
[72] KRAAIJ, DIRK, NL
[72] MOSTERT, GERARD, NL
[72] BREVET, MICHIEL, NL
[73] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-08-02 (PCT/NL2016/050566)
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[25] EN
[54] **MOLDABLE COMPOSITIONS AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS MOULABLES ET PROCEDES D'UTILISATION ASSOCIES**
[72] NGUYEN, CINDY, US
[72] MOSKAL, MICHAEL G., US
[72] ROWAN, DAVID, US
[72] SPERA, MICHAEL L., US
[72] FITZPATRICK, JAMES BROE, US
[73] CRAYOLA LLC, US
[85] 2018-02-23
[86] 2016-08-26 (PCT/US2016/048923)
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[25] EN
[54] **A CENTRALIZING AND PROTECTIVE ADAPTER FOR DOWNHOLE TORCH AND METHOD OF USE**
[54] **ADAPTATEUR DE PROTECTION ET DE CENTRALISATION DESTINE A UNE TORCHE DE FOND DE TROU ET PROCEDE D'UTILISATION**
[72] ROBERTSON, MICHAEL C., US
[72] GRATTAN, ANTONY F., US
[72] STREIBICH, DOUGLAS J., US
[72] STEPHENS, AMY, US
[72] BOELTE, WILLIAM F., US
[72] HUGGINS, CORY, US
[73] ROBERTSON INTELLECTUAL PROPERTIES, LLC, US
[85] 2018-02-23
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[30] US (15/250,771) 2016-08-29

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[25] EN
[54] **PASSIVE SYSTEM AND METHOD FOR VENTING AND REDUCING MOISTURE WITHIN A WINDOW CAVITY**
[54] **SYSTEME ET PROCEDE PASSIFS D'AERATION ET DE REDUCTION DE L'HUMIDITE DANS UNE CAVITE DE FENETRE**
[72] MONFETTE, STEPHANE, CA
[73] BOMBARDIER INC., CA
[85] 2018-02-28
[86] 2016-09-20 (PCT/IB2016/055607)
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[25] EN
[54] **A METHOD FOR MANUFACTURING A MEMBRANE ASSEMBLY**
[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE MEMBRANE**
[72] HOUWELING, ZOMER SILVESTER, NL
[72] CASIMIRI, ERIC WILLEM FELIX, NL
[72] DRUZHININA, TAMARA, NL
[72] JANSSEN, PAUL, NL
[72] KUIJKEN, MICHAEL ALFRED JOSEPHUS, NL
[72] LEENDERS, MARTINUS HENDRIKUS ANTONIUS, NL
[72] OOSTERHOFF, SICCO, NL
[72] PETER, MARIA, NL
[72] VAN DER ZANDE, WILLEM JOAN, NL
[72] VAN ZWOL, PIETER-JAN, NL
[72] VERBRUGGE, BEATRIJS LOUISE MARIE-JOSEPH KATRIEN, NL
[72] VERMEULEN, JOHANNES PETRUS MARTINUS BERNARDUS, NL
[72] VLES, DAVID FERDINAND, NL
[72] VOORTHUIJZEN, WILLEM-PIETER, NL
[73] ASML NETHERLANDS B.V., NL
[85] 2018-02-28
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[51] **Int.Cl. F23D 14/64 (2006.01) F23D 14/02 (2006.01)**
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[54] **GAS-AIR MIXER ASSEMBLY**
[54] **ENSEMBLE MELANGEUR GAZ-AIR**
[72] KOWALD, GLENN W., US
[72] POST, CHARLES, US
[72] BURMANIA, IAN, US
[73] LENNOX INDUSTRIES INC., US
[86] (2997767)
[87] (2997767)
[22] 2018-03-08
[30] US (15/456,058) 2017-03-10

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[51] **Int.Cl. A61K 31/505 (2006.01) C07D 239/48 (2006.01)**
[25] EN
[54] **DIAMINOPYRIMIDINE P2X3 AND P2X2/3 RECEPTOR MODULATORS FOR USE IN THE TREATMENT OF COUGH**
[54] **MODULATEURS DES RECEPTEURS P2X3 ET P2X2/3 DE DIAMINOPYRIMIDINE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA TOUX**
[72] FORD, ANTHONY P., US
[72] GLAUB, KATHLEEN SEREDA, US
[72] KITT, MICHAEL M., US
[72] SMITH, STEVEN, US
[73] AFFERENT PHARMACEUTICALS, INC., US
[85] 2018-03-14
[86] 2016-09-23 (PCT/US2016/053223)
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[54] **DISPENSING CAPSULE**
[54] **CAPSULE DE DISTRIBUTION**
[72] TURNER, JEREMY, NZ
[73] TRISTEL PLC, GB
[85] 2018-03-15
[86] 2016-09-28 (PCT/GB2016/053021)
[87] (WO2017/060677)
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[25] EN
[54] **CARBORANE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES CARBORANE ET LEURS PROCEDES D'UTILISATION**
[72] TJARKS, WERNER, US
[72] BARTUNEK, PETR, CZ
[72] SEDLAK, DAVID, CZ
[73] OHIO STATE INNOVATION FOUNDATION, US
[73] INSTITUTE OF MOLECULAR GENETICS AS CR, V.V.I., CZ
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[25] EN
[54] **METHOD FOR PREPARING MICROCAPSULES BY DOUBLE EMULSION**
[54] **PROCEDE DE PREPARATION DE MICROCAPSULES PAR EMULSION DOUBLE**
[72] WALTERS, JAMIE, FR
[72] DEMOULIN, DAMIEN, FR
[72] BIBETTE, JEROME, FR
[73] CALYXIA, FR
[85] 2018-03-16
[86] 2016-09-16 (PCT/EP2016/072028)
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[25] EN
[54] **SILICA-BASED ANTIMICROBIAL ORAL COMPOSITIONS**
[54] **COMPOSITIONS ANTIMICROBIENNES ORALES A BASE DE SILICE**
[72] NASSIVERA, TERRY, US
[72] GALLIS, KARL, US
[72] LUNDQUIST, ERIC, US
[72] MAULLER, LINDA, US
[73] EVONIK OPERATIONS GMBH, DE
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[54] **KNEE PAD DEVICE**
[54] **DISPOSITIF GENOUILLERE**
[72] RICHARDS, LEE E., US
[73] RICHARDS, LEE E., US
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[51] **Int.Cl. B67D 7/06 (2010.01) B67D 7/04 (2010.01) B67D 7/54 (2010.01)**
[25] EN
[54] **LOADING SYSTEM AND METHOD OF USE THEREOF**
[54] **SYSTEME DE CHARGEMENT ET METHODE D'UTILISATION ASSOCIEE**
[72] ROSKA, CLAYTON, CA
[72] WEISER, DUANE E., CA
[72] KOWALYK, RONALD M., CA
[72] NESOM, GREGORY T., CA
[72] QUACKENBUSH, TERRY W., CA
[72] ROWLAND, CLINTON K., CA
[72] EIDT, THOMAS D., CA
[72] GITZEL, KELLY M., CA
[72] MARTIN, CONNOR J., CA
[72] MOORE, CURTIS A., CA
[72] LAFOND, STEPHEN M., CA
[73] ROSKA DBO INC., CA
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[87] (2999424)
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[51] **Int.Cl. G06F 9/44 (2018.01)**
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[54] **SYSTEM FOR ACCESSING A KERNEL SPACE OF AN OPERATING SYSTEM WITH ACCESS CONTROL FUNCTIONALITY**
[54] **SYSTEME D'ACCES A UN ESPACE DE NOYAU D'UN SYSTEME FONCTIONNEL DOTE D'UNE FONCTIONNALITE DE CONTROLE D'ACCES**
[72] NORRIS, JEREMY, US
[73] SERVICENOW, INC., US
[86] (2999694)
[87] (2999694)
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[51] **Int.Cl. C07F 9/6574 (2006.01)**
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[54] **PROCESSES FOR PRODUCING ORGANOPHOSPHOROUS COMPOUNDS**
[54] **PROCEDES DE PRODUCTION DE COMPOSES ORGANOPHOSPHORES**
[72] BIGI, MARINUS A., US
[72] BRAMMER, MICHAEL A., US
[72] MILLER, GLENN A., US
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2018-03-27
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[51] **Int.Cl. G06Q 20/38 (2012.01) H04W 12/02 (2009.01) H04W 4/021 (2018.01)**
[25] EN
[54] **REAL-TIME AUTHORIZATION OF INITIATED DATA EXCHANGES BASED ON DYNAMICALLY GENERATED TOKENIZED DATA**
[54] **AUTORISATION EN TEMPS REEL D'ECHANGES DE DONNEES AMORCES FONDEE SUR DES DONNEES A JETONS GENEREES DYNAMIQUEMENT**
[72] D'AGOSTINO, DINO PAUL, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] TSERETOPOULOS, DEAN C.N., CA
[72] ECKER, JEFFREY AARON, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] DUNJIC, MILOS, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (3000493)
[87] (3000493)
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[51] **Int.Cl. C25D 5/00 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR THE ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE**
[54] **MATERIAUX ET PROCEDES POUR LA REDUCTION ELECTROCHIMIQUE DU DIOXYDE DE CARBONE**
[72] CO, ANNE, US
[72] BILLY, JOSHUA, US
[72] COLEMAN, ERIC, US
[72] WALZ, KENDAHL, US
[73] OHIO STATE INNOVATION FOUNDATION, US
[85] 2018-03-29
[86] 2015-10-01 (PCT/US2015/053532)
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[51] **Int.Cl. C22B 3/20 (2006.01) B01D 11/04 (2006.01) C22B 3/02 (2006.01)**
[25] EN
[54] **EXTRACTION ARRANGEMENT FOR SOLVENT EXTRACTION**
[54] **DISPOSITIF D'EXTRACTION POUR EXTRACTION PAR SOLVANT**
[72] FREDRIKSSON, HENRI, FI
[72] SAARIO, RAMI, FI
[72] MATINHEIKKI, JURI, FO
[72] VESANEN, MANU, FI
[72] VUORTENVALI, HANNA, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2018-04-03
[86] 2016-10-06 (PCT/FI2016/050694)
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[54] **DIFFERENTIAL FLOTATION OF SULFIDE ORES FOR RECOVERING REFRACTORY GOLD**
[54] **FLOTTATION DIFFERENTIELLE DE MINERAIS DE SULFURE POUR RECUPERER DE L'OR REFRACTAIRE**
[72] MOILANEN, JARI, FI
[72] LEPPINEN, JAAKKO, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2018-04-05
[86] 2016-10-12 (PCT/FI2016/050713)
[87] (WO2017/064369)
[30] FI (20155726) 2015-10-13

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[25] EN
[54] **AMINOTHIOLESTER COMPOUNDS OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF, FOR USE IN THE TREATMENT OF CANCER**
[54] **COMPOSES D'AMINOTHIOLESTERS OU SELS DE QUALITE PHARMACEUTIQUE DE CEUX-CI POUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] CEYLAN, ISMAIL, FR
[72] QUASH, GERRY, FR
[72] PEREZ-ALEA, MILEIDYS, FR
[72] MARTIN, GUILLAUME, FR
[73] ADVANCED BIODESIGN, FR
[85] 2018-04-06
[86] 2016-10-14 (PCT/EP2016/074697)
[87] (WO2017/064247)
[30] EP (15306649.3) 2015-10-15

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[13] C
[51] **Int.Cl. A23F 5/04 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING GASEOUS EFFLUENTS DEVELOPED IN COFFEE ROASTING INSTALLATION**
[54] **PROCEDE POUR LE TRAITEMENT D'EFFLUENTS GAZEUX DEVELOPPES DANS UNE INSTALLATION POUR LA TORREFACTION DU CAFE**
[72] FURFORI, STEFANIA, IT
[72] ZATTARIN, LUCIANO, IT
[72] DEORSOLA, FABIO ALESSANDRO, IT
[72] BENSAID, SAMIR, IT
[72] RUSSO, NUNZIO, IT
[72] FINO, DEBORA, IT
[72] PIRONE, RAFFAELE, IT
[72] PIUMETTI, MARCO, IT
[73] LUIGI LAVAZZA S.P.A., IT
[85] 2018-04-11
[86] 2016-10-14 (PCT/IB2016/056154)
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[54] **METHOD FOR OPERATING A PACKAGING APPARATUS, AND PACKAGING APPARATUS**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF D'EMBALLAGE ET DISPOSITIF D'EMBALLAGE**
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[73] BECTON DICKINSON ROWA GERMANY GMBH, DE
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[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVING COMBUSTION PRODUCTS FROM A POWER GENERATION CYCLE**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE PRODUITS DE COMBUSTION A PARTIR D'UN CYCLE DE PRODUCTION D'ENERGIE**
[72] ALLAM, RODNEY JOHN, GB
[72] LU, XIJIA, US
[72] MARTIN, SCOTT THOMAS, US
[73] 8 RIVERS CAPITAL, LLC, US
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[54] **BATTERY BANK SUPPLY AND REPLACEMENT SYSTEM IN AN ELECTRIC VEHICLE FOR COMMERCIAL USE**
[54] **SYSTEME D'APPROVISIONNEMENT ET D'ECHANGE DE BANC DE BATTERIES DANS UN VEHICULE UTILITAIRE ELECTRIQUE**
[72] HERNANDEZ LOPEZ, LUIS ANGEL, MX
[72] PICHARDO ANAYA, HUGO, MX
[72] HERNANDEZ JIMENEZ, JOSE DE JESUS, MX
[72] ORTEGA NOLASCO, LEONARDO DANIEL, MX
[72] MARTINEZ DORANTES, ARTURO, MX
[72] GARCIA MENDEZ, JORGE ALEJANDRO, MX
[72] NAVA ORTIZ, CARLOS, MX
[73] GRUPO BIMBO, S.A.B. DE C.V., MX
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[54] **TRADUCTION ET LOCALISATION EN LANGAGE NATUREL**
[72] SITTEL, CORNELIA, US
[72] LIPKA, HENDRIK, US
[73] SALESFORCE.COM, INC., US
[86] (3002052)
[87] (3002052)
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[54] **SYSTEM FOR CLEANING AN OBJECT SUCH AS A HEAT EXCHANGER**
[54] **SYSTEME DE NETTOYAGE D'UN OBJET TEL QU'UN ECHANGEUR DE CHALEUR**
[72] BRUMFIELD, MICHAEL KENNETH, US
[73] PEINEMANN EQUIPMENT B.V., NL
[85] 2018-04-16
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[54] **PROTECTEUR D'ENCASTREMENT LATERAL**
[72] EHRLICH, RODNEY P., US
[72] WYLEZINSKI, ANDRZEJ, US
[73] WABASH NATIONAL, L.P., US
[86] (3002195)
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[54] **PYRIMIDINE DERIVATIVE**
[54] **DERIVE PYRIMIDINE**
[72] OKADA, MAKOTO, JP
[72] NAKANO, YOUICHI, JP
[72] NOSE, TAKASHI, JP
[72] NISHIMOTO, TAKAHIRO, JP
[72] MAEDA, SATOSHI, JP
[73] ASKA PHARMACEUTICAL CO., LTD., JP
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[54] **BUSETTE DE COULEE COMPRENANT DES DEFLECTEURS DE FLUX**
[72] RICHAUD, JOHAN, FR
[72] KREIERHOFF, MARTIN, DE
[72] WARMERS, CHRISTIAN, DE
[73] VESUVIUS USA CORPORATION, US
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[25] FR
[54] **METHOD FOR MANUFACTURING A BLADE PREFORM, A BLADE AND A NOZZLE SEGMENT BY SELECTIVE POWDER-BED FUSION**
[54] **PROCEDE DE FABRICATION D'UNE PREFORME D'AUBE, D'UNE AUBE ET D'UN SECTEUR DE DISTRIBUTEUR PAR FUSION SELECTIVE SUR LIT DE POUDRE**
[72] DREANO, SEBASTIEN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-04-25
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[54] **SHEET OF SMOKEABLE MATERIAL FOR USE WITH APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **FEUILLE COMPRENANT UNE SUBSTANCE A FUMER POUR UTILISATION AVEC UN APPAREIL PERMETTANT DE CHAUFFER UNE SUBSTANCE A FUMER**
[72] BLANDINO, THOMAS P, US
[72] WILKE, ANDREW P, US
[72] FRATER, JAMES J, US
[72] PAPROCKI, BENJAMIN J, US
[72] KAUFMAN, DUANE A, US
[72] ROBEY, RAYMOND J, US
[72] MILLER, JOHN A, US
[73] NICOVENTURES TRADING LIMITED, GB
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[54] **PYRROPYRIMIDINE COMPOUNDS AS MNKS INHIBITORS**
[54] **COMPOSES DE PYRROPYRIMIDINE EN TANT QU'INHIBITEURS DE MNKS**
[72] WINTER-HOLT, JON JAMES, GB
[72] MCIVER, EDWARD GILES, GB
[72] LEWIS, STEPHEN, GB
[72] OSBORNE, JOANNE, GB
[73] LIFEARC, GB
[85] 2018-04-27
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[25] EN
[54] **A TRANSGENIC PLANT AND THE METHOD FOR PRODUCING THE SAME**
[54] **UN PLANT TRANSGENIQUE ET METHODE DE PRODUCTION DUDIT PLANT**
[72] JIA, GUIFANG, CN
[72] HE, CHUAN, CN
[73] EPIPLANTA BIOTECH LTD., CN
[86] (3003867)
[87] (3003867)
[22] 2018-05-03
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[54] **APPARATUS AND METHOD FOR COLD SPRAYING AND COATING PROCESSING**
[54] **APPAREIL ET PROCEDE POUR LA PULVERISATION A FROID ET LE TRAITEMENT DE REVETEMENT**
[72] MAEV, ROMAN GR., CA
[72] LESHCHYNSKY, VOLF, CA
[72] STRUMBAN, EMIL, US
[72] ZIGANSHIN, DAMIR, CA
[72] BELENKOV, RAYMOND, CA
[72] DZHURINSKIY, DMITRY, CA
[73] TESSONICS, INC., CA
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[54] **CLEANING BIN FOR CLEANING A STORAGE GRID OF A STORAGE SYSTEM**
[54] **BAC DE NETTOYAGE POUR NETTOYER UNE GRILLE DE STOCKAGE D'UN SYSTEME DE STOCKAGE**
[72] HOGNALAND, INGVAR, NO
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[73] AUTOSTORE TECHNOLOGY AS, NO
[85] 2018-05-07
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[54] **T-CELL REACTIVITY PLATFORM**
[54] **PLATE-FORME DE REACTIVITE DES LYMPHOCYTES T**
[72] GRONLUND, HANS, SE
[73] NEOGAP THERAPEUTICS AB, SE
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[54] **UTILIZING ENGINEERED MEDIA FOR RECOVERY OF MINERALS IN TAILINGS STREAM AT THE END OF A FLOTATION SEPARATION PROCESS**
[54] **UTILISATION DE MILIEU MODIFIE POUR LA RECUPERATION DE MINERAUX DANS UN FLUX DE RESIDUS A LA FIN D'UN PROCESSUS DE SEPARATION PAR FLOTTATION**
[72] ROTHMAN, PAUL J., US
[72] FERNALD, MARK R., US
[72] DOLAN, PAUL, US
[72] BAILEY, TIMOTHY, US
[72] RYAN, MICHAEL, US
[72] AMELUNXEN, PETER A., US
[73] CIDRA CORPORATE SERVICES LLC, US
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[54] **PREDICTION D'EVENEMENTS DE BROUILLAGE DE FREQUENCES RADIO**
[72] KANNER, LAURREN, US
[72] SCHEFFLER, CRAIG RAYDEAN, US
[73] PLANET LABS, INC., US
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[54] **SYSTEM FOR AND METHOD OF CONTROLLING FUNCTIONS IN A VEHICLE CABIN**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FONCTIONS DANS UNE CABINE DE VEHICULE**
[72] FAGAN, TIM, CA
[72] BARTENBACH, JEFF, US
[72] WALDMAN, ERICK, US
[72] CONNER, BRIAN, US
[72] NANCARROW, LINSEY, US
[72] HOBBS, TOM, US
[72] PIRIE, CHRIS, US
[72] MCBRIDE, HEIDI, US
[72] PETRY, SEBASTIAN, US
[72] LAVALLEE, LOUIS-XAVIER, CA
[72] MALEK, BRUCE, CA
[73] BOMBARDIER INC., CA
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[25] EN
[54] **BATTERY CONNECTOR DEVICE FOR A BATTERY JUMP STARTING DEVICE**
[54] **DISPOSITIF CONNECTEUR DE BATTERIE POUR UN DISPOSITIF DE BATTERIE DE DEMARRAGE DE SECOURS**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[73] THE NOCO COMPANY, US
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[54] **LEURRE DE PECHE JIG TRAILER**
[72] RICHARDSON, DOUGLAS, CA
[73] RICHARDSON, DOUGLAS, CA
[86] (3006107)
[87] (3006107)
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[54] **MODULATEURS DU RECEPTEUR DES ESTROGENES**
[72] PIETRAS, RICHARD J., US
[72] JUNG, MICHAEL E., US
[72] MARQUEZ-GARBAN, DIANA C., US
[72] DENG, GANG, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **SYSTEME DE TRAITE AVEC GESTION DE PIECES DETACHEES**
[72] THEELEN, ANTOON PETER ANDRE, NL
[73] LELY PATENT N.V., NL
[85] 2018-05-25
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[25] EN
[54] **FLIGHT MANAGEMENT SYSTEM HAVING PERFORMANCE TABLE DATALINK CAPABILITY**
[54] **SYSTEME DE GESTION DE VOL AYANT UNE CAPACITE DE LIAISON DE DONNEES DE TABLEAUX DE PERFORMANCES**
[72] KIM, GEUN IL, US
[72] ALCANTARA, ROY S., US
[72] MOSKALIK, STEVEN J., US
[72] ALCABIN, MONICA S., US
[72] KLEIN, CAROLINE, US
[72] GUAN, YIAN, US
[73] THE BOEING COMPANY, US
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[87] (3006525)
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[54] **ANTI-PD-L1 SINGLE DOMAIN ANTIBODY AND USE THEREOF**
[54] **NANOCORPS A DOMAINE SIMPLE ANTI-PD-L1 ET SON UTILISATION**
[72] SHEN, XIAONING, CN
[72] MIAO, XIAONIU, CN
[72] LIU, XIAOLIN, CN
[73] INNOVENT BIOLOGICS (SUZHOU) CO., LTD, CN
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[25] FR
[54] **METHOD FOR TREATING AQUEOUS EFFLUENT**
[54] **PROCEDE DE TRAITEMENT D'EFFLUENT AQUEUX**
[72] FAVERO, CEDRICK, FR
[72] TIZZOTTI, MORGAN, FR
[73] S.P.C.M. SA, FR
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[25] EN
[54] **SHEAROGRAPHY FOR SUB MICROCELLULAR SUBSTRATE NONDESTRUCTIVE INSPECTION**
[54] **IMAGERIE DE CISAILLEMENT DESTINEE A UNE INSPECTION NON DESTRUCTRICE DE SUBSTRAT SUBMICROCELLULAIRE**
[72] SAFAI, MORTEZA, US
[72] WANG, XIAOXI, US
[73] THE BOEING COMPANY, US
[86] (3007887)
[87] (3007887)
[22] 2018-06-11
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[51] **Int.Cl. F16L 21/06 (2006.01) F16L 21/02 (2006.01) F16L 21/08 (2006.01)**
[25] EN
[54] **AXIAL-RESTRAINT PIPE COUPLING WITH INDIVIDUAL GRIP ELEMENTS**
[54] **ACCOUPLEMENT DE TUYAU A MAINTIEN AXIAL AVEC ELEMENTS DE SAISIE INDIVIDUELS**
[72] CHIPROOT, AVI, IL
[73] KRAUSZ INDUSTRIES LTD., IL
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[54] **CONTROLLED-RELEASE CNP AGONISTS WITH LOW NPR-C BINDING**
[54] **AGONISTES DE CNP A LIBERATION CONTROLEE PRESENTANT UNE FAIBLE LIAISON A NPR-C**
[72] RAU, HARALD, DE
[72] HERSEL, ULRICH, DE
[72] SPROGOE, KENNETT, DK
[72] FALTINGER, FRANK, DE
[72] WEGGE, THOMAS, DE
[72] CLEEMANN, FELIX, DE
[73] ASCENDIS PHARMA GROWTH DISORDERS A/S, DK
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[25] FR
[54] **METHOD OF CONTROLLING A SUPERPLASTIC FORMING MACHINE AND CORRESPONDING MACHINE**
[54] **PROCEDE DE PILOTAGE D'UNE MACHINE DE FORMAGE SUPERPLASTIQUE ET MACHINE CORRESPONDANTE**
[72] NAZARET, FABIEN, FR
[72] LEBARD, ETIENNE, FR
[72] LE MAOULT, YANNICK, FR
[72] PENAZZI, LUC, FR
[72] VIDAL, VANESSA, FR
[72] VELAY, VINCENT, FR
[73] ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS (A.R.M.I.N.E.S.), FR
[73] AUROCK, FR
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[25] EN
[54] **SYSTEM AND METHOD FOR REMOTE FAX INTERCONNECT**
[54] **SYSTEME ET PROCEDE D' INTERCONNEXION DE TELECOPIE A DISTANCE**
[72] CICHIELO, ROBERT N., US
[72] BANCO, PAUL J., US
[72] STURNIOLO, EMIL, US
[73] ETHERFAX, LLC, US
[85] 2018-06-15
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[25] EN
[54] **A DECORATIVE PANEL**
[54] **PANNEAU DECORATIF**
[72] KJELLANDER, BIRGITTA KATARINA CHARLOTTE, NL
[72] HODGSON-STOKX, MARCELLE, NL
[73] TRESPA INTERNATIONAL B.V., NL
[85] 2018-06-20
[86] 2016-12-22 (PCT/NL2016/050907)
[87] (WO2017/111590)
[30] NL (2016003) 2015-12-22

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[25] EN
[54] **FUEL CELL SYSTEM WITH ANODE DEGRADATION REDUCTION CONTROL**
[54] **SYSTEME DE PILE A COMBUSTIBLE AVEC COMMANDE DE REDUCTION DE LA DETERIORATION D'ANODE**
[72] YAGUCHI, TATSUYA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-06-21
[86] 2016-11-14 (PCT/JP2016/083704)
[87] (WO2017/110303)
[30] JP (2015-254211) 2015-12-25

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 39/00 (2006.01)**
[25] EN
[54] **NOVEL GENERATION OF ANTIGEN-SPECIFIC TCRS**
[54] **NOUVELLE GENERATION DE TCR SPECIFIQUES A UN ANTIGENE**
[72] MILOSEVIC, SLAVOLJUB, DE
[72] ELLINGER, CHRISTIAN, DE
[72] WEHNER, CARINA, DE
[72] SCHENDEL, DOLORES, DE
[73] MEDIGENE IMMUNOTHERAPIES GMBH, DE
[73] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[85] 2018-06-22
[86] 2016-12-22 (PCT/EP2016/082443)
[87] (WO2017/109109)
[30] EP (15202329.7) 2015-12-23
[30] EP (16190399.2) 2016-09-23

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[51] **Int.Cl. C12N 5/0784 (2010.01)**
[25] EN
[54] **DENDRITIC CELL COMPOSITION**
[54] **COMPOSITION DE CELLULES DENDRITIQUES**
[72] MILOSEVIC, SLAVOLJUB, DE
[72] ELLINGER, CHRISTIAN, DE
[72] WEHNER, CARINA, DE
[72] SCHENDEL, DOLORES, DE
[73] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[73] MEDIGENE IMMUNOTHERAPIES GMBH, DE
[85] 2018-06-22
[86] 2016-12-22 (PCT/EP2016/082445)
[87] (WO2017/109110)
[30] EP (15202329.7) 2015-12-23
[30] EP (16190399.2) 2016-09-23

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[51] **Int.Cl. B01D 53/00 (2006.01) B01D 53/22 (2006.01) C10L 3/10 (2006.01) F25J 3/02 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING BIOMETHANE BY PURIFYING BIOGAS FROM NON-HAZARDOUS WASTE STORAGE FACILITIES AND FACILITY FOR IMPLEMENTING THE METHOD**
[54] **PROCEDE DE PRODUCTION DE BIOMETHANE PAR EPURATION DE BIOGAZ ISSU D'INSTALLATIONS DE STOCKAGE DE DECHETS NON-DANGEREUX (ISDND) ET INSTALLATION POUR LA MISE EN OEUVRE DU PROCEDE**
[72] PRINCE, GUENAEL, FR
[72] LEFEBVRE, MATHIEU, FR
[72] BRIEND, PIERRE, FR
[72] PAGET, NICOLAS, FR
[73] WAGA ENERGY, FR
[85] 2018-06-22
[86] 2016-11-10 (PCT/FR2016/052937)
[87] (WO2017/109305)
[30] FR (1563357) 2015-12-24

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[51] **Int.Cl. B22D 41/22 (2006.01) B22D 41/28 (2006.01) B22D 41/34 (2006.01)**
[25] EN
[54] **SLIDING GATE VALVE PLATE**
[54] **PLAQUE DE ROBINET-VANNE A LUNETTE**
[72] COLLURA, MARIANO, BE
[72] SIBIET, FABRICE, FR
[73] VESUVIUS GROUP, SA, BE
[85] 2018-07-03
[86] 2017-01-24 (PCT/EP2017/051428)
[87] (WO2017/129563)
[30] EP (16152591.0) 2016-01-25

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[51] **Int.Cl. C09C 1/48 (2006.01) B01J 23/42 (2006.01) B01J 32/00 (2006.01) B01J 37/08 (2006.01) H01M 4/96 (2006.01) H01M 8/10 (2016.01) C01B 32/00 (2017.01)**
[25] EN
[54] **CARBON BLACK, ELECTRODE CATALYST AND FUEL CELL USING SAME, AND METHOD FOR PRODUCING CARBON BLACK**
[54] **NOIR DE CARBONE, CATALYSEUR D'ELECTRODES ET PILE A COMBUSTIBLE L'UTILISANT, ET PROCEDE DE PRODUCTION DE NOIR DE CARBONE**
[72] UCHIDA, MAKOTO, JP
[72] KAKINUMA, KATSUYOSHI, JP
[72] IKEDA, DAIKI, JP
[72] HARADA, YUSAKU, JP
[72] MIYAKAWA, TAKESHI, JP
[73] DENKA COMPANY LIMITED, JP
[85] 2018-07-03
[86] 2016-11-28 (PCT/JP2016/085131)
[87] (WO2017/094648)
[30] JP (2015-233050) 2015-11-30

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[13] C
[51] **Int.Cl. B21D 28/10 (2006.01) B21D 28/26 (2006.01) B21D 31/02 (2006.01)**
[25] EN
[54] **TEXTURED SHEET METAL, AND PROCESS AND APPARATUS FOR PRODUCING TEXTURED SHEET METAL**
[54] **FEUILLE METALLIQUE TEXTUREE, ET PROCEDE ET APPAREIL DE FABRICATION D'UNE FEUILLE METALLIQUE TEXTUREE**
[72] ARBESMAN, RAY, CA
[73] GRIPMETAL LIMITED, IE
[86] (3010524)
[87] (3010524)
[22] 2018-07-05
[30] US (15/703210) 2017-09-13

[11] **3,010,692**
[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **FACE PLATE IN TRANSPARENT OPTICAL PROJECTION DISPLAYS**
[54] **PLAQUE FRONTALE DANS DES AFFICHEURS A PROJECTION OPTIQUE TRANSPARENTS**
[72] HOLMER, ANNA-KARIN, SE
[72] ZANDEN, JOHAN, SE
[72] ANDERSSON, STEFAN, SE
[73] SAAB AB, SE
[85] 2018-07-05
[86] 2016-01-05 (PCT/SE2016/050001)
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[13] C
[51] **Int.Cl. G21C 3/58 (2006.01) G21C 3/42 (2006.01) G21C 3/62 (2006.01)**
[25] EN
[54] **NUCLEAR FUEL FOR WATER-COOLED NUCLEAR REACTORS**
[54] **COMBUSTIBLE NUCLEAIRE POUR REACTEURS NUCLEAIRES REFROIDIS A L'EAU**
[72] JOLKKONEN, MIKAEL, SE
[72] JOHNSON, KYLE, SE
[72] WALLENIUS, JANNE, US
[73] BLYKALLA AB, SE
[85] 2018-07-09
[86] 2016-01-29 (PCT/SE2016/000004)
[87] (WO2016/122374)
[30] SE (1500058-1) 2015-01-30

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[51] **Int.Cl. H01S 3/1055 (2006.01) H01S 3/10 (2006.01) H01S 3/139 (2006.01)**
[25] EN
[54] **PULSE COMPRESSION IN CHIRPED PULSE LASER SYSTEMS**
[54] **COMPRESSION D'IMPULSIONS DANS DES SYSTEMES LASER A IMPULSIONS COMPRIMEES**
[72] PAYEUR, STEPHANE, CA
[72] FOURMAUX, SYLVAIN, CA
[72] KIEFFER, JEAN CLAUDE, CA
[72] MACLEAN, STEVE, CA
[73] INFINITE POTENTIAL LABORATORIES LP, CA
[73] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2018-06-15
[86] 2016-12-15 (PCT/CA2016/051485)
[87] (WO2017/100930)
[30] US (62/269,183) 2015-12-18

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[51] **Int.Cl. F16K 31/365 (2006.01) F16K 17/06 (2006.01) G05D 7/01 (2006.01)**
[25] EN
[54] **HYBRID FLOW AND PRESSURE REGULATION**
[54] **REGULATION HYBRIDE D'ECOULEMENT ET DE PRESSION**
[72] BOYER, ROBERT, US
[72] HENDERSON, JOHN, US
[73] THE ESAB GROUP INC., US
[86] (3011120)
[87] (3011120)
[22] 2018-07-12
[30] US (15/690,613) 2017-08-30

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[13] C
[51] **Int.Cl. C07D 235/02 (2006.01) A61K 31/4166 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **3-(CARBOXYETHYL)-8-AMINO-2-OXO-1,3-DIAZA-SPIRO-[4.5]-DECANE DERIVATIVES**
[54] **DERIVES DE 3-(CARBOXYETHYL)-8-AMINO-2-OXO-1,3-DIAZA-SPIRO-[4.5]-DECANE**
[72] KUHNERT, SVEN, DE
[72] KOENIGS, RENE MICHAEL, DE
[72] JAKOB, FLORIAN, DE
[72] KLESS, ACHIM, DE
[72] WEGERT, ANITA, DE
[72] RATCLIFFE, PAUL, DE
[72] JOSTOCK, RUTH, DE
[72] KOCH, THOMAS, DE
[72] LINZ, KLAUS, DE
[72] SCHRODER, WOLGANG, DE
[73] GRUNENTHAL GMBH, DE
[85] 2018-07-11
[86] 2017-01-13 (PCT/EP2017/025004)
[87] (WO2017/121646)
[30] EP (16151011.0) 2016-01-13

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[51] **Int.Cl. C08F 2/44 (2006.01) B82Y 30/00 (2011.01) C08F 12/08 (2006.01) C08J 9/00 (2006.01) C08K 3/04 (2006.01)**
[25] EN
[54] **COMPOSITION CONTAINING GRAPHENE AND GRAPHENE NANOPLATELETS AND PREPARATION PROCESS THEREOF**
[54] **COMPOSITION COMPRENANT DU GRAPHENE ET DES NANOPLAQUETTES DE GRAPHENE ET SON PROCEDE DE PREPARATION**
[72] FELISARI, RICCARDO, IT
[72] AUTIERI, VIVIANA, IT
[73] VERSALIS S.P.A., IT
[85] 2018-07-13
[86] 2017-01-26 (PCT/IB2017/050420)
[87] (WO2017/130136)
[30] IT (102016000008311) 2016-01-27

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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING MELOXICAM**
[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT DU MELOXICAM**
[72] TABUTEAU, HERRIOT, US
[73] AXSOME THERAPEUTICS, INC., US
[86] (3011562)
[87] (3011562)
[22] 2016-04-11
[62] 2,976,272
[30] US (62/259993) 2015-11-25

[11] **3,011,958**
[13] C
[51] **Int.Cl. H10N 19/00 (2023.01) G01J 5/12 (2006.01) G01J 5/58 (2022.01) G12B 15/06 (2006.01) H02N 11/00 (2006.01)**
[25] FR
[54] **THERMOELECTRIC DEVICE**
[54] **DISPOSITIF THERMOELECTRIQUE**
[72] BOURGEOIS, OLIVIER, FR
[72] TAINOFF, DIMITRI, FR
[72] BOURGAULT, DANIEL, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2018-07-19
[86] 2017-02-13 (PCT/FR2017/050324)
[87] (WO2017/140975)
[30] FR (1651336) 2016-02-18

[11] **3,012,084**
[13] C
[51] **Int.Cl. A61M 5/14 (2006.01)**
[25] EN
[54] **FOOT VALVE FOR DRIP CHAMBERS OF MEDICAL INFUSION OR TRANSFUSION APPARATUSES**
[54] **CLAPET A PIED POUR CHAMBRES DE GOUTTE-A-GOUTTE D'APPAREILS MEDICAUX DE PERFUSION OU DE TRANSFUSION**
[72] GUALA, GIANNI, IT
[73] INDUSTRIE BORLA S.P.A., IT
[85] 2018-07-20
[86] 2017-02-01 (PCT/IB2017/050525)
[87] (WO2017/134564)
[30] IT (102016000012348) 2016-02-05

[11] **3,013,162**
[13] C
[51] **Int.Cl. G01N 1/30 (2006.01) A61K 31/496 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **FIXATIVE FOR THE PRESERVATION OF ORGANIC TISSUE AND CELL AGGREGATES**
[54] **FIXATEUR POUR LA PRESERVATION DES TISSUS ORGANIQUES ET DES AGREGATS CELLULAIRES**
[72] SZABADOS, ANDREAS, DE
[73] BIOSEPAR GESELLSCHAFT FUR MEDIZIN- UND LABORTECHNIK MBH, DE
[85] 2018-07-30
[86] 2017-02-10 (PCT/EP2017/053089)
[87] (WO2017/137616)
[30] DE (10 2016 102 346.9) 2016-02-10

[11] **3,014,141**
[13] C
[51] **Int.Cl. C25B 9/23 (2021.01) C25B 1/04 (2021.01) C25B 13/04 (2021.01)**
[25] EN
[54] **DEVICE FOR THE PRODUCTION OF HYDROGEN GAS**
[54] **DISPOSITIF POUR LA PRODUCTION DE GAZ D'HYDROGENE**
[72] LORGE, PHILIPPE, BE
[72] REMACLE, CLAIRE, BE
[72] GERIN, STEPHANIE, BE
[72] JOB, NATHALIE, BE
[72] FRANCK, FABRICE, BE
[72] CALDARELLA, GIUSEPPE, BE
[72] GHYSELS, BART, BE
[72] GODAUX, DAMIEN, BE
[72] CARDOL, PIERRE, BE
[73] H2WIN S.A., BE
[85] 2018-08-09
[86] 2017-02-17 (PCT/EP2017/053651)
[87] (WO2017/144367)
[30] BE (2016/5124) 2016-02-23

[11] **3,014,231**
[13] C
[51] **Int.Cl. B22F 7/02 (2006.01) B22F 3/15 (2006.01)**
[25] EN
[54] **COMPOSITIONALLY-GRADED METAL-CERAMIC STRUCTURE AND METHOD FOR MANUFACTURING THE SAME**
[54] **STRUCTURE METAL-CERAMIQUE PROFILEE PAR COMPOSITION ET METHODE DE FABRICATION ASSOCIEE**
[72] SENDEROS, BRUNO ZAMORANO, US
[72] COAD, DENNIS LYNN, US
[72] DOBBS, JAMES R., US
[72] YOUSEFIANI, ALI, US
[73] THE BOEING COMPANY, US
[86] (3014231)
[87] (3014231)
[22] 2018-08-14
[30] US (15/695310) 2017-09-05

[11] **3,014,361**
[13] C
[51] **Int.Cl. G16Z 99/00 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **LEARNING AN ENTITY'S TRUST MODEL AND RISK TOLERANCE TO CALCULATE A RISK SCORE**
[54] **APPRENTISSAGE D'UNE TOLERANCE AU RISQUE ET D'UN MODELE DE CONFIANCE D'UNE ENTITE EN VUE DE CALCULER UNE NOTE DE RISQUE**
[72] CHRAPKO, EVAN V., CA
[73] WWW.TRUSTSCIENCE.COM INC., CA
[85] 2018-08-13
[86] 2017-03-20 (PCT/CA2017/050351)
[87] (WO2017/161446)
[30] US (15/079,952) 2016-03-24

[11] **3,014,753**
[13] C
[51] **Int.Cl. C07D 207/48 (2006.01) A61K 9/00 (2006.01) A61K 31/40 (2006.01) C07C 55/10 (2006.01) C07C 57/15 (2006.01)**
[25] EN
[54] **ACID ADDITION SALT OF 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE**
[54] **SEL D'ADDITION ACIDE DE 1-(5-(2,4-DIFLUOROPHENYL)((3-FLUOROPHENYLE)SULFONYLE)-4-METHOXY-1H-PYRR OL-3-YL) METHYLMETHANAMINE**
[72] KIM, AERI, KR
[72] CHO, KWAN HYUNG, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2018-08-15
[86] 2017-03-17 (PCT/KR2017/002913)
[87] (WO2017/164575)
[30] KR (10-2016-0036081) 2016-03-25
[30] KR (10-2017-0018336) 2017-02-09

[11] **3,014,767**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **FOLATE RECEPTOR 1 ANTIBODIES AND IMMUNOCONJUGATES AND USES THEREOF**
[54] **ANTICORPS DU RECEPTEUR 1 DU FOLATE ET IMMUNOCONJUGUES ET LEURS UTILISATIONS**
[72] AB, OLGA, US
[72] TAVARES, DANIEL, US
[72] RUI, LINGYUN, US
[72] PAYNE, GILLIAN, US
[72] GOLDMAKHER, VIKTOR S., US
[73] IMMUNOGEN, INC., US
[86] (3014767)
[87] (3014767)
[22] 2011-02-24
[62] 2,790,412
[30] US (61/307,797) 2010-02-24
[30] US (61/346,595) 2010-05-20
[30] US (61/413,172) 2010-11-12

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[13] C
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CATHETER EXTENSION CONTROL**
[54] **COMMANDE D'EXTENSION DE CATHETER**
[72] FORDE, SEAN, US
[72] MCDERMOTT, SEAN ARTHUR, US
[72] HANLEY, BRIAN, US
[73] CSA MEDICAL, INC., US
[85] 2018-08-15
[86] 2017-05-18 (PCT/US2017/033262)
[87] (WO2017/201246)
[30] US (15/158,698) 2016-05-19

[11] **3,014,882**
[13] C
[51] **Int.Cl. A24D 3/04 (2006.01)**
[25] EN
[54] **A SMOKING ARTICLE AND MOUTHPIECE THEREFOR**
[54] **ARTICLE A FUMER ET EMBOUT CORRESPONDANT**
[72] KALJURA, KARL, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2018-08-16
[86] 2016-02-26 (PCT/GB2016/050502)
[87] (WO2016/135501)
[30] GB (1503388.9) 2015-02-27

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[13] C
[51] **Int.Cl. A24D 3/04 (2006.01)**
[25] EN
[54] **A SMOKING ARTICLE AND MOUTHPIECE THEREFOR**
[54] **ARTICLE A FUMER ET EMBOUT CORRESPONDANT**
[72] KALJURA, KARL, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2018-08-16
[86] 2016-02-26 (PCT/GB2016/050504)
[87] (WO2016/135503)
[30] GB (1503389.7) 2015-02-27

[11] **3,015,829**
[13] C
[51] **Int.Cl. F16C 11/06 (2006.01) B62D 7/16 (2006.01)**
[25] EN
[54] **RESTRICTED SWING ANGLE SOCKET ASSEMBLY**
[54] **ENSEMBLE DOUILLE A ANGLE D'OSCILLATION RESTREINT**
[72] YAWORSKY, EVAN T., US
[72] ELTERMAN, JAMES J., US
[73] FEDERAL-MOGUL MOTORPARTS LLC, US
[85] 2018-08-24
[86] 2017-02-28 (PCT/US2017/019848)
[87] (WO2017/151557)
[30] US (15/057,703) 2016-03-01

[11] **3,015,872**
[13] C
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/70 (2006.01)**
[25] EN
[54] **MOLD CLAMP CONTROL METHOD FOR INJECTION MOLDING MACHINE HAVING TOGGLE-TYPE MOLD CLAMPING MECHANISM**
[54] **PROCEDE DE COMMANDE DE SERRAGE DE MOULE POUR UNE MACHINE DE MOULAGE PAR INJECTION PRESENTANT UN MECANISME DE SERRAGE DE MOULE DE TYPE A GRENOUILLERE**
[72] OKAMOTO, AKIO, JP
[72] MIYAMOTO, KAZUAKI, JP
[73] UBE MACHINERY CORPORATION, LTD., JP
[85] 2018-08-27
[86] 2017-03-23 (PCT/JP2017/011697)
[87] (WO2017/164303)
[30] JP (2016-059315) 2016-03-24

[11] **3,016,062**
[13] C
[51] **Int.Cl. C09D 5/08 (2006.01) C07F 19/00 (2006.01) C09D 163/00 (2006.01)**
[25] EN
[54] **POLYMERIC AGENTS AND COMPOSITIONS FOR INHIBITING CORROSION**
[54] **AGENTS POLYMERES ET COMPOSITIONS ANTICORROSION**
[72] MARDEL, JAMES IVAN, AU
[72] COLE, IVAN STUART, AU
[72] WHITE, PAUL ANDREW, AU
[72] HUGHES, ANTHONY EWART, AU
[72] MARKLEY, TRACEY ANNE, AU
[72] HARVEY, TIMOTHY GRAHAM, AU
[72] OSBORNE, JOSEPH, US
[72] SAPPER, ERIK, US
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[73] THE BOEING COMPANY, US
[85] 2018-08-29
[86] 2017-03-10 (PCT/AU2017/050218)
[87] (WO2017/152240)
[30] US (62/306,818) 2016-03-11

[11] **3,016,607**
[13] C
[51] **Int.Cl. H04W 12/06 (2021.01) G06F 21/62 (2013.01) G16H 40/40 (2018.01) H04W 4/80 (2018.01) H04W 76/14 (2018.01) H04W 12/37 (2021.01) H04L 67/12 (2022.01) H04L 67/141 (2022.01) H04L 67/52 (2022.01) H04L 69/40 (2022.01) A61N 1/372 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTHENTICATING WIRELESS PROGRAMMING DEVICES IN PROGRAMMABLE MEDICAL SYSTEMS**
[54] **SYSTEME ET PROCEDE D'AUTHENTIFICATION DE DISPOSITIFS DE PROGRAMMATION SANS FIL DANS DES DISPOSITIFS MEDICAUX PROGRAMMABLES**
[72] RODRIGUEZ, SAUL, US
[72] HAN, DIANNA (DAN), US
[72] ISTOC, EMIL, US
[73] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2018-09-04
[86] 2017-03-07 (PCT/US2017/021143)
[87] (WO2017/155986)
[30] US (62/304,603) 2016-03-07

[11] **3,017,068**
[13] C
[51] **Int.Cl. G01R 33/38 (2006.01) A61B 5/055 (2006.01) G01R 33/28 (2006.01) G01R 33/3815 (2006.01) G01R 33/44 (2006.01) H01F 6/04 (2006.01)**
[25] EN
[54] **REDUCING MAGNETIC FIELD INSTABILITIES CAUSED BY OSCILLATIONS OF A MECHANICAL CRYOCOOLER IN MAGNETIC RESONANCE SYSTEMS**
[54] **REDUCTION DES INSTABILITES D'UN CHAMP MAGNETIQUE PROVOQUEES PAR LES OSCILLATIONS D'UN REFROIDISSEUR CRYOGENIQUE MECANIQUE DANS LES SYSTEMES A RESONANCE MAGNETIQUE**
[72] HARRIS, CHAD TYLER, CA
[72] BINDSEIL, GERON ANDRE, CA
[72] PANTHER, ALEXANDER GYLES, CA
[72] BEATTY, PHILIP J., CA
[72] STAINSBY, JEFF ALAN, CA
[73] SYNAPTIVE MEDICAL INC., CA
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[54] **SYSTEM AND METHOD FOR VERIFYING FORGERY OF FINANCIAL INSTITUTION PROOF DOCUMENTS ON BASIS OF BLOCK CHAIN**
[54] **SYSTEME ET PROCEDE PERMETTANT DE VERIFIER LA FALSIFICATION DE PIECES JUSTIFICATIVES D'INSTITUTION FINANCIERE SUR LA BASE D'UNE CHAINE DE BLOCS**
[72] UHR, JOON SUN, KR
[72] HONG, JAY WU, KR
[72] SONG, JOO HAN, KR
[73] COINPLUG, INC., KR
[85] 2018-09-14
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[54] **SIGNAL QUALITY-BASED ENHANCEMENT AND COMPENSATION OF COMPRESSED AUDIO SIGNALS**
[54] **AMELIORATION BASEE SUR LA QUALITE DU SIGNAL ET COMPENSATION DE SIGNAUX AUDIO COMPRESSES**
[72] SOULODRE, GILBERT ARTHUR JOSEPH, CA
[72] HEBER, KEVIN, US
[73] HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, US
[85] 2018-09-17
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[54] **METHOD AND APPARATUS FOR INSTALLING GEOTHERMAL HEAT EXCHANGER**
[54] **PROCEDE ET APPAREIL POUR L`INSTALLATION D`ECHANGEUR DE CHALEUR GEOTHERMIQUE**
[72] REITSMA, STANLEY, CA
[73] GEOSOURCE ENERGY INC., CA
[86] (3018083)
[87] (3018083)
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[54] **APPARATUS AND METHOD FOR CONFIGURING A MULTIVALENT ENERGY SUPPLY SYSTEM**
[54] **APPAREIL ET METHODE DE CONFIGURATION D'UN RESEAU D'ALIMENTATION D'ENERGIE MULTIVALENT**
[72] ARNOLD, CHRISTIAN, DE
[72] BOCK, MARTIN, DE
[72] GRAD, ANDREJ, DE
[72] MAURER, TOBIAS, DE
[72] OSTERLOH, REINHARD, DE
[72] TIMMERMANN, JORG, DE
[73] VIESSMANN CLIMATE SOLUTIONS SE, DE
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[54] **POINTE DE PIPETTE ET UTILISATIONS ET PROCEDES CORRESPONDANTS**
[72] HILL, JAMES LYNN, DE
[73] ENICOR GMBH, DE
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[54] **TERMINAL DE POINT DE VENTE**
[72] O'HERLIHY, ALAN, IE
[72] CIUBOTARU, BOGDAN, IE
[72] CIOARGA, RAZVAN, RO
[72] PESCARU, DAN, RO
[72] VASILE, GUI, RO
[72] PARVU, OVIDIU, RO
[72] DAVID, CIPRIAN PETRU, RO
[72] SACRIERU, CONSTANTIN PETRU, RO
[72] GLAVAN, COSMIN CERNAZANU, RO
[72] DOYLE, GAVIN, IE
[73] EVERSEEN LIMITED, IE
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[54] **PRODRUG OF AMINO ACID DERIVATIVE**
[54] **PROMEDICAMENT DE DERIVE D'ACIDE AMINE**
[72] OTAKE, NORIKAZU, JP
[72] HASHIHAYATA, TAKASHI, JP
[72] MATSUDA, YOHEI, JP
[72] MASUDA, SEIJI, JP
[72] YAMAUCHI, YUKO, JP
[73] TAISHO PHARMACEUTICAL CO., LTD., JP
[85] 2018-09-26
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[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] IKEDA, SHUHEI, JP
[72] SUGIYAMA, HIDEYUKI, JP
[72] AIDA, JUMPEI, JP
[72] TOKUHARA, HIDEKAZU, JP
[72] OKAWA, TOMOHIRO, JP
[72] OGURO, YUYA, JP
[72] NAKAMURA, MINORU, JP
[72] MURAKAMI, MASATAKA, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-09-27
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[54] **FERRITIC ALLOY**
[54] **ALLIAGE FERRITIQUE**
[72] JONSSON, BO, SE
[73] KANTHAL AB, SE
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[54] **DISPOSITIF D'ENTRAINEMENT DE VEHICULE AUTOMOBILE**
[72] ANDERSON, JOSHUA J., US
[72] ROBERTS, DONALD W., US
[72] KUHL, THOMAS A., US
[73] ARBOC SPECIALTY VEHICLES, LLC, US
[86] (3020499)
[87] (3020499)
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[54] **CRYOCONSERVATION DE STADES JUVENILES DE BERNICLES**
[72] TOKLE, NILS EGIL, NO
[72] AAKEROY, HAVARD JOHAN, NO
[73] PLANKTONIC AS, NO
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[54] **FAULT-TOLERANT POWER-DISTRIBUTION MODULES FOR A POWER PLANT**
[54] **MODULES DE DISTRIBUTION D'ENERGIE TOLERANTS AUX PANNES POUR CENTRALE ELECTRIQUE**
[72] WIKE, HUGHES, US
[72] HOUGH, TED, US
[72] FUDGE, DRUMMOND, US
[73] NUSCALE POWER, LLC, US
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[54] **CONVEYANCE SYSTEM FOR OPERATION IN RADIOACTIVE ENVIRONMENT**
[54] **SYSTEME DE TRANSPORT POUR FONCTIONNEMENT DANS UN ENVIRONNEMENT RADIOACTIF**
[72] D'HOOGE, MICHAEL J., US
[72] VERMA, SUMIT, US
[72] GRAVES, KEVIN B., US
[72] PETROFSKY, BRYAN S., US
[73] CURIUM US LLC, US
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[54] **AGRICULTURAL DRYER WITH MIXED-FLOW FAN**
[54] **SECHOIR AGRICOLE A VENTILATEUR A FLUX MIXTE**
[72] WINGARD, DAVID R., US
[72] WENDT, JAROD B., US
[73] THE GSI GROUP LLC, US
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[54] **APPLICATION AID FOR THE TREATMENT OF WOUNDS**
[54] **DISPOSITIF APPLICATEUR POUR LE TRAITEMENT DE PLAIES**
[72] NOLL, CORINNA, DE
[72] HARREITHER, WOLFGANG, AT
[72] TURTSCHER, MARKO, AT
[73] LOHMANN & RAUSCHER GMBH, AT
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[54] **SYNERGISTIC CAUSTIC COMPOSITIONS COMPRISING GLYCINE**
[54] **COMPOSITIONS CAUSTIQUES SYNERGETIQUES COMPRENANT DE LA GLYCINE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[73] DORF KETAL CHEMICALS FZE, AE
[86] (3023613)
[87] (3023613)
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[54] **NOVEL SYNTHETIC CAUSTIC COMPOSITION**
[54] **NOUVELLE COMPOSITION CAUSTIQUE SYNTHETIQUE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[73] DORF KETAL CHEMICALS FZE, AE
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[54] **ROLLING DEVICE, IN PARTICULAR FOR PLACING BULK MATERIALS ON THE GROUND**
[54] **ENGIN ROULANT, NOTAMMENT POUR LA DEPOSE AU SOL DE MATERIAUX EN VRAC**
[72] MENARD, KEVIN, FR
[72] MENARD, ROMAIN, FR
[72] MENARD, MEDHI, FR
[73] RKM, FR
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[54] **SYSTEM FOR TREATING WATER**
[54] **SYSTEME DE TRAITEMENT D'EAU**
[72] SALOKANNEL, ANTTI, FI
[72] KARHU, MIKKO, FI
[72] LUUKKONEN, MATTI, FI
[72] VAN DER MEER, TUOMAS, FI
[72] ISOMAKI, NIKO, FI
[73] OUTOTEC (FINLAND) OY, FI
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[54] **SEPARATION MEMBRANE MODULE**
[54] **MODULE DE MEMBRANE DE SEPARATION**
[72] HAYASHIDA, KENJI, JP
[72] MATSUMOTO, HIROSHI, JP
[72] NAKAMATSU, OSAMU, JP
[73] TORAY INDUSTRIES, INC., JP
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[54] **STAND ALONE INTERBODY SPINAL SYSTEM**
[54] **SYSTEME INTERVERTEBRAL SPINAL AUTONOME**
[72] KAUFMANN, JOSH, US
[72] CALBERT, GREG, US
[72] BRYANT, SCOTT, US
[72] BERGERON, BRIAN, US
[72] GILKEY, LANDON, US
[72] KELLER, BEN, US
[72] GUIOT, BERNARD H., US
[72] WOLF, AIZIK, US
[72] PHILIPS, MATTHEW, US
[72] FRIEDLAND, JOHN T., US
[73] GENESYS SPINE, US
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[54] **TRAITEMENT D'UNE INFLAMMATION INDUITE PAR UN ALPHAVIRUS**
[72] MAHALINGAM, SURENDRAN, AU
[72] HERRERO, LARA JOSEFINA, AU
[73] PARADIGM BIOPHARMACEUTICALS LTD, AU
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[54] **EMULSION COMPRISING RAPESEED PROTEIN ISOLATE, PROCESS FOR OBTAINING IT AND USE IN FOOD**
[54] **EMULSION COMPRENANT UN ISOLAT DE PROTEINE DE COLZA, SON PROCEDE D'OBTENTION ET SON UTILISATION DANS DES ALIMENTS**
[72] SHI, JING, NL
[72] VAN DEN BURG, ANTHONIUS CORNELIS, NL
[72] SMOLDERS, GERARDUS JOHANNES FRANCISCUS, NL
[73] DSM IP ASSETS B.V., NL
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[54] **ELECTRICALLY CONDUCTIVE COMPOSITE CORROSION PROTECTION COATING**
[54] **REVETEMENT DE PROTECTION CONTRE LA CORROSION FAIT DE COMPOSITE CONDUCTEUR**
[72] KUCERNAK, ANTHONY ROBERT JOHN, GB
[72] LAPINSKI, JACEK, GB
[73] IP2IPO INNOVATIONS LIMITED, GB
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[54] **SYSTEME DE CONSTRUCTION MINIATURE MODULAIRE POUR LES PARCS DE STATIONNEMENT**
[72] KONCZAK, JEFFREY J., US
[72] STEVENS, KEVIN, US
[73] BCUBED MANUFACTURING LLC, US
[86] (3026425)
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[54] **SILICON CONTAINING POLYMER FLOCCULANTS**
[54] **LES POLYMERES FLOCULANTS CONTENANT DU SILICIUM**
[72] SONG, AIRONG, US
[72] STIGERS, DANNON, US
[72] WEI, XINYU, US
[72] ZHANG, LEI, US
[73] CYTEC INDUSTRIES INC., US
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[54] **METHODS AND COMPOSITIONS COMPRISING PROBENECID FOR MODULATING SYMPTOMS RESULTING FROM OPIOID WITHDRAWAL**
[54] **METHODES ET COMPOSITIONS COMPRENANT DU PROBENECIDE POUR LA MODULATION DE SYMPTOMES CAUSES PAR LE SEVRAGE D'OPIOIDES**
[72] TRANG, TUAN, CA
[72] BURMA, NICOLE, CA
[73] UTI LIMITED PARTNERSHIP, CA
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[54] **SOLUBILISAT DE RESVERATROL**
[72] BEHNAM, DARIUSH, DE
[73] AQUANOVA AG, DE
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[54] **DISPOSITIF D'AERONEF**
[72] EVANS, ROYSTON, GB
[72] SHAW, PAUL, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[86] (3027806)
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[72] BRAASCH, JANA, DE
[72] OSTERMANN, STEFANIE, DE
[72] MACKIEWICZ, MONIKA, DE
[73] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
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[25] EN
[54] **HERBICIDAL COMPOSITION CONTAINING SHUANGZUOCAOTONG AND A METHOD OF USINGTHE SAME**
[54] **COMPOSITION HERBICIDE CONTENANT DU DIARFENTRAZONE-ETHYLE ET METHODE D'UTILISATION**
[72] PENG, XUEGANG, CN
[72] JIN, TAO, CN
[72] ZHANG, JINGYUAN, CN
[73] QINGDAO KINGAGROOT RESISTANT WEED MANAGEMENT CO., LTD., CN
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[54] **SYSTEME DE GLISSIERE DE SECURITE ABSORBANT LE SON**
[72] EMBORG, MICHAEEL, DK
[72] JORGENSEN, KRISTIAN SKOVGAARD, DK
[72] DROGE, JAN EIKE, DE
[72] SCHNITZLER, HANS-JURGEN, DE
[72] SORENSEN, BRUNO KIRK, DK
[72] ANDERSEN, STEFFEN, DK
[72] PEDERSEN, LEON SAMSO, DK
[73] ROCKWOOL A/S, DK
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[54] **BOUT D'AILE A ECOULEMENT LAMINAIRE NATUREL**
[72] CAMPBELL, DARRELL D., US
[72] LYONS, BRETT I., US
[73] THE BOEING COMPANY, US
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[54] **STRINGER TRANSITION THROUGH A COMMON BASE CHARGE**
[54] **TRANSITION DE LONGRINE PAR UNE CHARGE DE BASE COMMUNE**
[72] CASS, GREGORY A., US
[72] HANSON, GARRETT C., US
[73] THE BOEING COMPANY, US
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[54] **SORTING OF T LYMPHOCYTES IN A MICROFLUIDIC DEVICE**
[54] **TRI DE LYMPHOCYTES T DANS UN DISPOSITIF MICROFLUIDIQUE**
[72] LOUTHERBACK, KEVIN D., US
[72] BRONEVETSKY, YELENA, US
[72] BEEMILLER, PETER J., US
[72] WANG, XIAOHUA, US
[72] CHAPMAN, KEVIN T., US
[73] BERKELEY LIGHTS, INC., US
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[54] **SEAL ASSEMBLY FOR UTILITY METER AND ASSOCIATED METHODS**
[54] **ENSEMBLE JOINT DESTINE A UN COMPTEUR DE SERVICE ET PROCEDES ASSOCIES**
[72] RATHORE, BAHADUR SINGH, IN
[72] SUNDA, SITARAM, IN
[73] LANDIS+GYR INNOVATIONS, INC., US
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[54] **IMPROVED STYRENE MALEIC ANHYDRIDE (SMA) RESIN FORMULATION**
[54] **FORMATION DE RESINE D'ANHYDRIDE MALEIQUE STYRENE (SMA) AMELIOREE**
[72] KELLEY, EDWARD, SG
[72] WONG, TECK KAI, SG
[72] THEISEN, REBEKAH F., US
[72] CLARK, CHRISTOPHER G., JR., SG
[73] ISOLA USA CORP., US
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[25] EN
[54] **GROWTH PERFORMANCE IMPROVEMENTS IN PASTURE AND FEEDLOT SYSTEMS**
[54] **AMELIORATIONS DES PERFORMANCES DE CROISSANCE DANS LES SYSTEMES EN PATURAGE ET EN PARC D'ENGRAISSEMENT**
[72] TOMKINS, NIGEL WILLIAM, AU
[72] DE NYS, ROCKY, AU
[72] KINLEY, ROBERT DOUGLAS, AU
[72] PAUL, NICHOLAS ANDREW, AU
[72] MAGNUSSON, MARIE ELISABETH, AU
[72] MACHADO, LORENNA, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[73] MEAT AND LIVESTOCK AUSTRALIA LIMITED, AU
[73] JAMES COOK UNIVERSITY, AU
[85] 2019-01-29
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[25] EN
[54] **CONDUCTIVE PASTE**
[54] **PATE CONDUCTRICE**
[72] TATENO, HAYATO, JP
[72] IKUNO, JUNICHI, JP
[72] MASHIMA, HIROSHI, JP
[73] SHOEI CHEMICAL INC., JP
[85] 2019-02-01
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[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING THE ELECTRICAL CONTACT RESISTANCE AT AN INTERFACE**
[54] **SYSTEMES ET PROCEDES DE MESURE DE LA RESISTANCE AUX CONTACTS ELECTRIQUES AU NIVEAU D'UNE INTERFACE**
[72] KHOSRAVANI, SHAHRIAR, US
[73] THE BOEING COMPANY, US
[86] (3033024)
[87] (3033024)
[22] 2019-02-05
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[54] **RACCORD EN Y POUR TUYAUX MEDICAUX**
[72] GUALA, GIANNI, IT
[73] INDUSTRIE BORLA S.P.A., IT
[85] 2019-02-06
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[25] EN
[54] **RETROFIT LED LIGHT PANEL**
[54] **PANNEAU LUMINEUX A LED DE RATTRAPAGE**
[72] BLAIR, GEORGE R., US
[72] BLAIR, JEFF R., US
[72] DOCHERTY, JAMES, US
[72] NOON, BRENT R., US
[73] THE LED SOURCE, INC., US
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[86] 2017-06-14 (PCT/US2017/037432)
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[25] EN
[54] **METHOD AND COMPOSITION OF MAKING POLYMER PRODUCTS**
[54] **PROCEDE ET COMPOSITION DE FABRICATION DE PRODUITS POLYMERES**
[72] ANAS, TOMMY, FI
[72] MERO, HANNES, FI
[73] UPONOR INFRA OY, FI
[85] 2019-02-14
[86] 2017-09-04 (PCT/FI2017/050622)
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[54] **A PERMEABLE PAVEMENT AND CURED CARBON FIBER COMPOSITION AND A RELATED METHOD**
[54] **COMPOSITION PERMEABLE EN FIBRE DE CARBONE DURCIE ET CONCUE POUR LA CHAUSSEE, ET PROCEDE ASSOCIE**
[72] ENGLUND, KARL RICHARD, US
[72] NASSIRI, SOMAYEH, US
[72] HASELBACH, LIV MARTHA, US
[72] LI, HUI, US
[72] WEN, HAIFANG, US
[72] FISCHER, KENNETH W., US
[73] THE BOEING COMPANY, US
[73] WASHINGTON STATE UNIVERSITY, US
[85] 2019-02-15
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[25] EN
[54] **HEAT TRANSFER FLUIDS AND METHODS FOR PREVENTING CORROSION IN HEAT TRANSFER SYSTEMS**
[54] **FLUIDES DE TRANSFERT DE CHALEUR ET PROCEDES POUR EMPECHER LA CORROSION DANS DES SYSTEMES DE TRANSFERT DE CHALEUR**
[72] YANG, BO, US
[72] WOYCIESJES, PETER M., US
[73] PRESTONE PRODUCTS CORPORATION, US
[85] 2019-01-11
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[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2019-02-25
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[54] **MATERIALS HANDLING VEHICLE PATH VALIDATION AND DYNAMIC PATH MODIFICATION**
[54] **VALIDATION DE TRAJET ET MODIFICATION DE TRAJET DYNAMIQUE DE VEHICULE DE MANUTENTION DE MATERIAUX**
[72] THODE, JUSTIN F., NZ
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2019-02-25
[86] 2017-08-25 (PCT/US2017/048669)
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[25] EN
[54] **METHOD FOR DETECTING RUNNING STATE FAILURE OF SURGICAL ROBOT**
[54] **PROCEDE DE DETECTION DE DEFAILLANCE D'ETAT DE FONCTIONNEMENT D'UN ROBOT CHIRURGICAL**
[72] XU, KAI, CN
[72] ZHAO, BIN, CN
[72] DAI, ZHENGCHEN, CN
[72] ZHAO, JIANGRAN, CN
[72] LIU, HUAN, CN
[72] MEI, WUKUN, CN
[72] ZHANG, HUICHAO, CN
[72] WEI, WEI, CN
[72] LIANG, BO, CN
[73] BEIJING SURGERII ROBOTICS COMPANY LIMITED, CN
[85] 2019-02-27
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[87] (WO2018/041198)
[30] CN (201610798120.X) 2016-08-31
[30] CN (201610799313.7) 2016-08-31
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[25] EN
[54] **CORYNEBACTERIUM FOR PRODUCING L-LYSINE BY FERMENTATION**
[54] **CORYNEBACTERIUM POUR LA PRODUCTION DE L-LYSINE PAR FERMENTATION**
[72] MENG, GANG, CN
[72] WEI, AIYING, CN
[72] MA, FENGYONG, CN
[72] JIA, HUIPING, CN
[72] MA, JIYIN, CN
[73] NINGXIA EPPEN BIOTECH CO., LTD, CN
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[54] **COMPOSITIONS ON PLASMA-TREATED SURFACES**
[54] **COMPOSITIONS SUR SURFACES TRAITEES AU PLASMA**
[72] KNIGHT, BYRON J., US
[72] OPALSKY, DAVID, US
[73] GEN-PROBE INCORPORATED, US
[85] 2019-02-28
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[54] **DISPATCH SUPPORT METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE SUPPORT DE REPARTITION**
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2019-03-05
[86] 2016-09-06 (PCT/JP2016/076118)
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[54] **METHOD FOR RECOVERING PRECIOUS METAL**
[54] **PROCEDE DE RECUPERATION DE METAL PRECIEUX**
[72] JANSSON, KAJ, FI
[72] RUONALA, MIKKO (DECEASED), FI
[72] KOTIRANTA, TUUKKA, FI
[73] OUTOTEC (FINLAND) OY, FI
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[25] EN
[54] **ELECTROMAGNETIC RECEPTION USING METAMATERIAL**
[54] **RECEPTION ELECTROMAGNETIQUE UTILISANT UN METAMATERIAU**
[72] WILLIAMS, JOHN DALTON, US
[73] THE BOEING COMPANY, US
[86] (3036878)
[87] (3036878)
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[51] **Int.Cl. B64F 5/50 (2017.01) B64F 5/10 (2017.01) B05B 15/60 (2018.01)**
[25] EN
[54] **APPARATUS THAT SUPPORTS AN AIRCRAFT FUSELAGE WITHOUT EXTERIOR SURFACE CONTACT**
[54] **APPAREIL QUI SUPPORTE UN FUSELAGE D'AERONEF SANS CONTACT AVEC LA SURFACE EXTERIEURE**
[72] MOORE, MATTHEW B., US
[72] SQUIRES, LILE P., US
[72] STONE, PATRICK B., US
[72] ZORNES, JEFFREY A., US
[73] THE BOEING COMPANY, US
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[51] **Int.Cl. G01N 29/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENHANCED VISUALIZATION OF ANOMALIES IN A STRUCTURE**
[54] **METHODE ET APPAREIL DE VISUALISATION AMELIOREE D'ANOMALIES DANS UNE STRUCTURE**
[72] IHN, JEONG-BEOM, US
[72] LEE, JUNG-RYUL, US
[73] THE BOEING COMPANY, US
[73] KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
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[25] EN
[54] **SCREENING APPARATUS**
[54] **APPAREIL DE TAMISAGE**
[72] BAILEY, MARSHALL GRAHAM, AE
[73] NATIONAL OILWELL VARCO UK LIMITED, GB
[85] 2019-04-11
[86] 2017-10-13 (PCT/GB2017/053111)
[87] (WO2018/069729)
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[51] **Int.Cl. G01V 13/00 (2006.01) E21B 47/00 (2012.01) G01V 3/26 (2006.01)**
[25] EN
[54] **TECHNOLOGIES FOR IN-SITU CALIBRATION OF MAGNETIC FIELD MEASUREMENTS**
[54] **TECHNOLOGIES D'ETALONNAGE IN SITU DE MESURES DE CHAMP MAGNETIQUE**
[72] WU, HSU-HSIANG, US
[72] LI, WENQUAN, US
[72] SHAH, FAISAL FAROOQ, US
[72] ROBERSON, BRIAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2016-12-12 (PCT/US2016/066189)
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[25] EN
[54] **SHIPPING AND DISPLAY CONTAINER**
[54] **BOITE D'EXPEDITION ET DE PRESENTATION**
[72] LIN, CHEN-KANG, CN
[73] DONGGUAN SHICHANG METALS FACTORY LTD., CN
[86] (3040996)
[87] (3040996)
[22] 2019-04-24
[30] US (29/645,159) 2018-04-24
[30] US (62/661,774) 2018-04-24
[30] US (16/043,556) 2018-07-24
[30] CN (2018206673070) 2018-05-04
[30] CN (2018301978824) 2018-05-04

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[51] **Int.Cl. C09D 129/04 (2006.01) B05D 7/00 (2006.01)**
[25] EN
[54] **DURABLE COATING COMPOSITIONS AND COATINGS FORMED THEREOF**
[54] **COMPOSITIONS DE REVETEMENT DURABLES ET REVETEMENTS FORMES A PARTIR DE CELLES-CI**
[72] RANGANATHAN, SATHISH KUMAR, US
[72] SIRIPURAPU, SRINIVAS, US
[72] PATIL, SATISH NARAYAN, IN
[72] CHAUDHARI, RAJENDRA YASHWANT, IN
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[73] NOVOTA INDUSTRIES, IN
[85] 2019-04-18
[86] 2017-10-20 (PCT/US2017/057675)
[87] (WO2018/075936)
[30] US (62/410,699) 2016-10-20

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[13] C
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[25] EN
[54] **PHOTOVOLTAIC MODULE AND METHOD OF MAKING THE SAME**
[54] **MODULE PHOTOVOLTAIQUE ET METHODE DE FABRICATION ASSOCIEE**
[72] XIA, ZHENGYUE, CN
[72] YAN, XINCHUN, CN
[72] XU, JIE, CN
[72] DING, ZENGQIAN, CN
[72] XING, GUOQIANG, CN
[73] CANADIAN SOLAR SOLUTIONS INC., CA
[86] (3041697)
[87] (3041697)
[22] 2019-04-30
[30] CN (201810420990.2) 2018-05-04

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[51] **Int.Cl. H02S 10/00 (2014.01) H02S 40/36 (2014.01) H01L 31/18 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A PHOTOVOLTAIC MODULE**
[54] **METHODE DE FABRICATION D'UN MODULE PHOTOVOLTAIQUE**
[72] XIA, ZHENGYUE, CN
[72] YAN, XINCHUN, CN
[72] XU, JIE, CN
[72] DING, ZENGQIAN, CN
[72] XING, GUOQIANG, CN
[73] CANADIAN SOLAR SOLUTIONS INC., CA
[86] (3041698)
[87] (3041698)
[22] 2019-04-30
[30] CN (201810420990.2) 2018-05-04
[30] CN (201910072127.7) 2019-01-25

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[13] C
[51] **Int.Cl. B29C 53/48 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANUFACTURING DRY LINERS FOR PIPE REPAIR**
[54] **PROCEDE ET APPAREIL PERMETTANT DE FABRIQUER DES CHEMISES SECHES POUR LA REPARATION DE TUYAU**
[72] BELTRAN, ANTONI SERAROLS, ES
[72] DEN BESTEN, CORNEILIS, NL
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2019-04-29
[86] 2017-09-26 (PCT/US2017/053374)
[87] (WO2018/080689)
[30] EP (16382498.0) 2016-10-31

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[13] C
[51] **Int.Cl. A61L 27/38 (2006.01) A61K 35/12 (2015.01)**
[25] EN
[54] **TWO-PART IMPLANTABLE THERAPY DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION THERAPEUTIQUE IMPLANTABLE EN DEUX PARTIES**
[72] RUSCH, GREG, US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2019-04-30
[86] 2017-11-08 (PCT/US2017/060492)
[87] (WO2018/089395)
[30] US (62/419,100) 2016-11-08
[30] US (15/805,789) 2017-11-07

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[13] C
[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/145 (2006.01)**
[25] EN
[54] **A COMPUTER-IMPLEMENTED METHOD AND A PORTABLE DEVICE FOR ANALYZING GLUCOSE MONITORING DATA INDICATIVE OF A GLUCOSE LEVEL IN A BODILY FLUID, AND A COMPUTER PROGRAM PRODUCT**
[54] **PROCEDE MIS EN OEUVRE PAR ORDINATEUR ET DISPOSITIF PORTABLE D'ANALYSE DES DONNEES DE CONTROLE GLYCEMIQUE INDIQUANT UN NIVEAU DE GLYCEMIE DANS UNFLUIDE CORPOREL, ET PRODUIT-PROGRAMME INFORMATIQUE**
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[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-05-03
[86] 2018-02-14 (PCT/EP2018/053669)
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[54] **INSULATION PIERCING TAP CONNECTOR**
[54] **CONNECTEUR DE PRISE A PERFORATION D'ISOLANT**
[72] RUGGIERO, GLEN HARRISON, US
[73] HUBBELL INCORPORATED, US
[85] 2019-05-07
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[54] **A CONCRETE BATCHING PLANT HAVING REDUCED CYCLE TIME AND REDUCED INSTALLATION AND DISMANTLING TIME**
[54] **INSTALLATION DE MISE EN LOTS DE BETON A TEMPS DE CYCLE REDUIT ET DUREE D'INSTALLATION ET DE DEMONTAGE REDUITE**
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[73] BHAT, ADDE JAGADISH, IN
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[25] EN
[54] **HIGH-AFFINITY TCR FOR NY-ESO**
[54] **TCR A HAUTE AFFINITE POUR NY-ESO**
[72] LI, YI, CN
[72] HUANG, JINHUA, CN
[73] XLIFESC, LTD., CN
[85] 2019-05-15
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[54] **PRODUCT GAS FILTER**
[54] **PRODUIT POUR FILTRE A GAZ**
[72] GLOCK, GASTON, AT
[73] GLOCK HEALTH, SCIENCE AND RESEARCH GMBH, AT
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[54] **DISTRIBUTED CONTROL SYNCHRONIZED RING NETWORK ARCHITECTURE**
[54] **ARCHITECTURE DE RESEAU EN ANNEAU SYNCHRONISE A CONTROLE REPARTI**
[72] TAM, KIT S., US
[73] DEGIRUM CORPORATION, US
[85] 2019-05-22
[86] 2017-11-20 (PCT/US2017/062627)
[87] (WO2018/098084)
[30] US (62/425,792) 2016-11-23
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[54] **PERMUTATED RING NETWORK**
[54] **RESEAU EN ANNEAU PERMUTANT**
[72] TAM, KIT S., US
[72] LEE, WINSTON, US
[73] DEGIRUM CORPORATION, US
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[54] **HYBRID PROCESS FOR ENHANCED SURFACE HARDENING**
[54] **PROCEDE HYBRIDE POUR DURCISSEMENT SUPERFICIEL AMELIORE**
[72] JONES, DAKOTA Z., CA
[72] WOOD, GENTRY D., CA
[72] HAMRE, DOUGLAS J., CA
[73] APOLLO MACHINE & WELDING LTD., CA
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[87] (3044930)
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[54] **DEVICE FOR CLEANING AND DRYING A SPRAYING UNIT**
[54] **DISPOSITIF DE NETTOYAGE ET DE SECHAGE D'UNE UNITE DE PULVERISATION**
[72] DOYLE, JAMES LAURENCE, CA
[73] DOYLE, JAMES LAURENCE, CA
[73] CIRCLE DYNAMICS INC., CA
[85] 2019-05-27
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[54] **OPHTHALMIC COMPOSITION FOR TREATMENT OF DRY EYE DISEASE**
[54] **COMPOSITION OPHTALMOLOGIQUE POUR LE TRAITEMENT DU SYNDROME DE L'OEIL SEC**
[72] BEIER, MARKUS, DE
[72] HAISSER, JORG, DE
[72] MEIDES, ALICE, DE
[72] KROSSER, SONJA, DE
[72] VOSS, HARTMUT, DE
[72] LOSCHER, FRANK, DE
[72] GUNTHER, BERNHARD, DE
[73] NOVALIQ GMBH, DE
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[54] **SUTURELESS ANCHORING DEVICE FOR HEART PUMP**
[54] **DISPOSITIF D'ANCRAGE SANS SUTURE D'UNE POMPE CARDIAQUE**
[72] GARRIGUE, STEPHANE, FR
[72] MASCARELL, ARNAUD, FR
[73] FINEHEART, FR
[85] 2019-06-05
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[25] EN
[54] **MOBILE FIXTURE APPARATUSES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES MOBILES**
[72] VANCE, JONATHAN B., US
[72] MARTIGNONI, ANDREW JOSEPH, III, US
[72] FINN, BRIAN M., US
[73] THE BOEING COMPANY, US
[86] (3046909)
[87] (3046909)
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[54] **MEDICAL DEVICE AND METHOD FOR MANUFACTURING A MEDICAL DEVICE USEFUL FOR CONTINUOUS MONITORING OF ANALYTES AND/OR BODY FUNCTIONS**
[54] **DISPOSITIF MEDICAL ET METHODE DE FABRICATION D'UN DISPOSITIF MEDICAL UTIULE POUR LA SURVEILLANCE CONTINUE D'ANALYTES ET/OU D'AUTRES FONCTIONS CORPORELLES**
[72] ACHMANN, SABINE, DE
[72] PANKALLA, SEBASTIAN, DE
[72] SEIDEL, JONATHAN, DE
[72] THIELE, MARCEL, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **APPARATUS AND METHOD FOR OPTICALLY DETECTING THE EMISSIONS OF A PLASMA PRODUCED IN A CONDUCTIVE LIQUID BY MEANS OF ELECTRODES WITH DIFFERENT AREAS IN CONTACT WITH THE LIQUID**
[54] **APPAREIL POUR GENERER L'IONISATION, APPAREIL DE MESURE OPTIQUE ET PROCEDE DE MESURE**
[72] LEUKKUNEN, PETRI, FI
[72] BLOMBERG VON DER GEEST, KALLE, FI
[72] MAKINEN, ARI, FI
[73] OULUN YLIOPISTO, FI
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[25] EN
[54] **EXERCISE MAT**
[54] **TAPIS D'EXERCICE**
[72] DANDAPURE, YOGENDRA V., CA
[72] DOUGLAS, KATHERINE, CA
[72] BOGHOSIAN, GLENN MALCOLM, US
[72] KAO, CHEN I., CH
[73] LULULEMON ATHLETICA CANADA INC., CA
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[54] **BENZIMIDAZOLE DERIVATIVES, PREPARATION METHODS AND USES THEREOF**
[54] **DERIVES DE BENZIMIDAZOLE, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS**
[72] WANG, YIQIAN, CN
[72] WANG, JIABING, CN
[72] DING, LIEMING, CN
[73] BETTA PHARMACEUTICALS CO., LTD, CN
[85] 2019-06-20
[86] 2017-12-22 (PCT/CN2017/117950)
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[25] EN
[54] **LTE-UNLICENSED BAND CLEAR CHANNEL ASSESSMENT OPERATIONS**
[54] **EVALUATION DE CANAL LIBRE DE BANDE A TECHNOLOGIE LTE EXEMPTE DE LICENCES**
[72] JI, TINGFANG, US
[72] BHUSHAN, NAGA, US
[72] WEI, YONGBIN, US
[72] GAAL, PETER, US
[72] LUO, TAO, US
[72] CHEN, WANSHI, US
[72] MALLADI, DURGA PRASAD, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[72] SOMASUNDARAM, KIRAN KUMAR, US
[72] XU, HAO, US
[73] QUALCOMM INCORPORATED, US
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[87] (3048064)
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[54] **NETWORK THREAT INDICATOR EXTRACTION AND RESPONSE**
[54] **EXTRACTION D`UN INDICATEUR DE MENACE AU RESEAU ET REPONSE**
[72] REGO, ISAAC D., US
[72] LOGAN, BRADLEY R., US
[73] THE BOEING COMPANY, US
[86] (3048256)
[87] (3048256)
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[54] **SYSTEMS AND METHODS FOR MANAGING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES DE GESTION D`EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] MUNRO, MICHAEL A., US
[73] SCHNEIDER ELECTRIC USA, INC., US
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[54] **METHOD OF IDENTIFYING NOVEL PROTEIN AGGREGATION INHIBITORS BASED ON CHEMICAL KINETICS**
[54] **PROCEDE D'IDENTIFICATION DE NOUVEAUX INHIBITEURS DE L'AGREGATION PROTEIQUE SUR LA BASE DE LA CINETIQUE CHIMIQUE**
[72] DOBSON, CHRISTOPHER, GB
[72] KNOWLES, TUOMAS, GB
[72] VENDRUSCOLO, MICHELE, GB
[72] HABCHI, JOHNNY, GB
[72] CHIA, SEAN, GB
[73] CAMBRIDGE ENTERPRISE LIMITED, GB
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[54] **FUSED FIBRE COUPLERS, AND APPARATUSES AND METHODS FOR THE MANUFACTURE AND USE THEREOF**
[54] **COUPLEURS A FIBRES FUSIONNEES ET APPAREILS ET PROCEDES POUR LA FABRICATION ET L'UTILISATION DE CES DERNIERS**
[72] PIDISHETY, SHANKAR, GB
[72] SRINIVASAN, BALAJI, GB
[72] BRAMBILLA, GILBERTO, GB
[73] UNIVERSITY OF SOUTHAMPTON, GB
[73] INDIAN INSTITUTE OF TECHNOLOGY MADRAS, IN
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[54] **MECANISME DE ROCHET A DEGAGEMENT ET VERROUILLAGE DESALIGNES ET PINCE DE ROCHET**
[72] LI, YUEMING, CN
[73] HANGZHOU GREAT STAR TOOLS CO., LTD., CN
[73] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
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[54] **POMPE, SYSTEME ET METHODE D'ASSISTANCE CARDIAQUE**
[72] FORSELL, PETER, CH
[73] MEDICALTREE PATENT LTD., MT
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[54] **DATA TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL POUR CONDUIRE UNE TRANSMISSION DE DONNEES**
[72] GE, SHIBIN, CN
[72] BI, XIAOYAN, CN
[72] SHI, HONGZHE, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **SILICONE OIL-IN-WATER COMPOSITION USEFUL AS AN INJECTABLE FILLER AND AS A SCAFFOLD FOR COLLAGEN GROWTH**
[54] **COMPOSITION D'HUILE DE SILICONE DANS L'EAU UTILE EN TANT QUE CHARGE INJECTABLE ET ECHAFAUDAGE POUR LA CROISSANCE DE COLLAGENE**
[72] LORIA, VICTOR, US
[73] LORIA PHARMACEUTICAL, LLC, US
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[54] **PROCEDE D'HYDROTRAITEMENT DE CHARGES RENOUVELABLES**
[72] LOW, GORDON GONGNGAI, US
[72] STUPIN, STEVEN W., US
[73] TOPSOE A/S, DK
[85] 2019-07-16
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[54] **PRODUCTION DE PANNEAU DE COPEAUX ORIENTES**
[72] LAPLANTE, ALAIN, CA
[72] THIBAULT, MATHIEU, CA
[72] NADEZHDIN, ALEKSANDER, CA
[73] NORBORD INC., CA
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[54] **EMBALLAGES COQUES CONTENANT UN MATERIAU ACTIF ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] VOELLMICKE, CRAIG, US
[72] KIBELE, RALF, DE
[73] CSP TECHNOLOGIES, INC., US
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[54] **FORMWORK SYSTEM**
[54] **SYSTEME DE COFFRAGE**
[72] DARWELL, STEPHEN W, AU
[73] CSR BUILDING PRODUCTS LIMITED, AU
[85] 2019-08-08
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[25] EN
[54] **POLYPEPTIDES AND USES THEREOF FOR TREATMENT OF A FIBROSIS DISEASE**
[54] **POLYPEPTIDES ET UTILISATIONS CONNEXES POUR LE TRAITEMENT D'UNE FIBROSE**
[72] WEI, DE, CN
[72] DING, YI, CN
[72] LI, XIAOMEI, CN
[72] YU, WEN, CN
[72] CHEN, XIAOHONG, CN
[72] XIAO, LING, CN
[72] CHEN, RUI, CN
[72] CHEN, LING, CN
[73] CHENGDU HUITAI BIOMEDICINE CO., LTD., CN
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[86] 2018-02-28 (PCT/CN2018/077492)
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[25] EN
[54] **METHOD FOR EXTRACTING BIOACTIVE INGREDIENT AND BIOACTIVE INGREDIENT OBTAINED THEREBY**
[54] **METHODE D'EXTRACTION D'INGREDIENT BIOACTIF ET INGREDIENT BIOACTIF AINSI OBTENU**
[72] JIN, XIANGFAN, CN
[73] JIN, XIANGFAN, CN
[85] 2019-09-11
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[54] **METHOD AND APPARATUS FOR WIDE-BAND PHASE GRADIENT SIGNAL ACQUISITION**
[54] **PROCEDE ET APPAREIL D'ACQUISITION DE SIGNAUX DE GRADIENT DE PHASE A LARGE BANDE**
[72] GUPTA, SUNNY, CA
[72] PAPIROV, KONSTANTIN, CA
[72] WOO, JASON, CA
[73] ANALYTICS FOR LIFE INC., CA
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[87] (WO2018/158749)
[30] US (62/466,322) 2017-03-02

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[51] **Int.Cl. A61G 5/12 (2006.01)**
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[54] **A LATERAL SUPPORT FOR A SEAT**
[54] **SUPPORT LATERAL POUR SIEGE**
[72] SCARLETT, ROYDON MARK, NZ
[73] ROLAPAL LIMITED, NZ
[85] 2019-09-04
[86] 2018-03-07 (PCT/NZ2018/050024)
[87] (WO2018/169414)
[30] NZ (730007) 2017-03-13

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[51] **Int.Cl. F15B 13/043 (2006.01) F15B 13/08 (2006.01) F16K 27/00 (2006.01) F16K 31/02 (2006.01) F16K 31/06 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD FOR ANTICIPATING FAILURE IN A SOLENOID VALVE FOR A MANIFOLD ASSEMBLY**
[54] **DISPOSITIF ET PROCEDE D'ANTICIPATION DE DEFAILLANCE DANS UNE ELECTROVANNE POUR ENSEMBLE COLLECTEUR**
[72] WEICKEL, SCOTT ALLEN, US
[72] DE CAROLIS, ENRICO, US
[72] FERREIRA, THIAGO CAETANO, FR
[72] MOREAU, PASCAL, FR
[73] ASCO, L.P., US
[85] 2019-09-18
[86] 2017-03-07 (PCT/US2017/021088)
[87] (WO2018/164669)

[11] **3,058,960**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES TARGETING PD-1, TIM-3, AND LAG-3**
[54] **POLYTHERAPIES CIBLANT PD-1, TIM-3 ET LAG-3**
[72] LINDSTED, TRINE, DK
[72] GRANDAL, MICHAEL MONRAD, DK
[72] MELANDER, EVA MARIA CARLSEN, SE
[72] FROHLICH, CAMILLA, DK
[72] PEDERSEN, MIKKEL WANDAHL, DK
[72] KRAGH, MICHAEL, DK
[72] LANTTO, JOHAN, SE
[72] GAD, MONIKA, DK
[72] HORAK, IVAN DAVID, DK
[73] LES LABORATOIRES SERVIER, FR
[85] 2019-10-03
[86] 2018-04-05 (PCT/EP2018/058752)
[87] (WO2018/185232)
[30] US (62/481,973) 2017-04-05

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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 5/32 (2006.01) A61M 27/00 (2006.01) A61M 39/00 (2006.01) F16L 3/12 (2006.01)**
[25] EN
[54] **INTERLOCKING LOW PROFILE GRIPPING DEVICE**
[54] **DISPOSITIF DE PREHENSION A PROFIL BAS A VERROUILLAGE**
[72] HARDERS, JAMES ALAN, US
[72] STONE, SHAWN, US
[73] BIODERM, INC., US
[85] 2019-10-09
[86] 2018-04-10 (PCT/US2018/026909)
[87] (WO2018/191272)
[30] US (62/483,719) 2017-04-10
[30] US (15/658,254) 2017-07-24

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[13] C
[51] **Int.Cl. G06F 16/903 (2019.01)**
[25] EN
[54] **TEXT SEARCHING METHOD, APPARATUS, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM**
[54] **METHODE DE RECHERCHE TEXTUELLE, APPAREIL ET SUPPORT DE STOCKAGE NON TRANSITOIRE LISIBLE PAR ORDINATEUR**
[72] LIU, MING, CN
[72] CHEN, DAYAO, CN
[72] PANG, MENGMENG, CN
[72] FENG, TAO, CN
[72] ZENG, ZHIZHAO, CN
[72] WEI, YONGCHAO, CN
[72] PAN, WENBIN, CN
[73] 10353744 CANADA LTD., CA
[85] 2019-09-27
[86] 2017-12-12 (PCT/CN2017/115680)
[87] (WO2018/176913)
[30] CN (201710209677.X) 2017-03-31

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[13] C
[51] **Int.Cl. H01R 9/24 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **MODULAR ELECTRICAL FIELDBUS SYSTEM WITH STACKED INTERCONNECTED FUNCTIONAL COMPONENTS**
[54] **SYSTEME DE BUS DE TERRAIN ELECTRIQUE MODULAIRE A COMPOSANTS FONCTIONNELS INTERCONNECTES EMPILES**
[72] DE CAROLIS, ENRICO, US
[72] HERIOT, SCOTT, US
[72] FRAZIER, MITCH, US
[73] ASCO, L.P., US
[85] 2019-10-16
[86] 2017-05-02 (PCT/US2017/030594)
[87] (WO2018/203883)

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[13] C
[51] **Int.Cl. B64D 11/00 (2006.01) B64C 1/14 (2006.01) G09F 19/18 (2006.01)**
[25] EN
[54] **APPLICATION OF ARTIFICIAL INTELLIGENCE TO IMPLEMENT AUGMENTED REALITY, VIRTUAL REALITY, AND MIXED REALITY TO ENHANCE PASSENGER EXPERIENCE TO FLYING WITH MOOD LIGHTING**
[54] **APPLICATION D'INTELLIGENCE ARTIFICIELLE POUR METTRE EN OEUVRE LA REALITE AUGMENTEE, LA REALITE VIRTUELLE ET LA REALITE MIXTE POUR AMELIORER L'EXPERIENCE PASSAGER DE VOL AU MOYEN D'UN ECLAIRAGE D'AMBIANCE**
[72] MADHAV, JAGDISH T., US
[72] COLWELL, BARRY C., US
[73] THE BOEING COMPANY, US
[86] (3060296)
[87] (3060296)
[22] 2019-10-25
[30] US (16/252966) 2019-01-21

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[13] C
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **CRISPR HYBRID DNA/RNA POLYNUCLEOTIDES AND METHODS OF USE**
[54] **POLYNUCLEOTIDES ADN/ARN CRISPR HYBRIDES ET LEURS PROCEDES D'UTILISATION**
[72] MAY, ANDREW P., US
[72] DONOHOUE, PAUL D., US
[73] CARIBOU BIOSCIENCES, INC., US
[86] (3060508)
[87] (3060508)
[22] 2016-01-27
[62] 2,975,166
[30] US (62/108,931) 2015-01-28
[30] US (62/251,548) 2015-11-05

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[51] **Int.Cl. E05B 63/00 (2006.01) E06B 3/70 (2006.01)**
[25] EN
[54] **DOOR LOCK**
[54] **SERRURE DE PORTE**
[72] HALL, JULIAN, GB
[73] KINGSWAY ENTERPRISES (UK) LIMITED, GB
[86] (3060646)
[87] (3060646)
[22] 2019-10-29
[30] GB (1907005.1) 2019-05-17

[11] **3,060,907**
[13] C
[51] **Int.Cl. H01P 1/161 (2006.01) H01Q 5/47 (2015.01) H01P 1/17 (2006.01) H01Q 13/02 (2006.01)**
[25] EN
[54] **TRI-BAND FEED ASSEMBLY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ENSEMBLES D'ALIMENTATION A TROIS BANDES**
[72] GENDRON, CRAIG D., US
[72] CHANG, YUEH-CHI, US
[72] FINN, PAUL, US
[72] BRAILOVSKY, ALEXANDER, US
[73] RAYTHEON COMPANY, US
[85] 2019-10-18
[86] 2018-02-14 (PCT/US2018/018090)
[87] (WO2019/009931)
[30] US (15/642,645) 2017-07-06

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[13] C
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 17/14 (2006.01) E21B 33/14 (2006.01)**
[25] EN
[54] **FLOAT SHOE HAVING CONCRETE FILLED, ECCENTRIC NOSE WITH JETS**
[54] **SABOT FLOTTANT AYANT UN NEZ EXCENTRIQUE REMPLI DE BETON AVEC DES JETS**
[72] FARLEY, DOUGLAS BRIAN, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3061261)
[87] (3061261)
[22] 2019-11-12
[30] US (16/217,930) 2018-12-12

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[13] C
[51] **Int.Cl. H04W 60/00 (2009.01) H04W 88/14 (2009.01)**
[25] EN
[54] **METHOD FOR PERFORMING AMF REGISTRATION-RELATED PROCEDURE BY UDM IN WIRELESS COMMUNICATION SYSTEM, AND DEVICE THEREFOR**
[54] **PROCEDE D'EXECUTION D'UNE PROCEDURE RELATIVE A L'ENREGISTREMENT D'UNE FONCTION DE GESTION D'ACCES ET DE MOBILITE (AMF) PAR GESTION DE DONNEES UNIFIEE (UDM) DANS UN SYSTEME DE COMM UNICATION SANS FIL, ET DISPOSITIF ASSOCIE**
[72] KIM, LAEYOUNG, KR
[72] KIM, HYUNSOOK, KR
[72] RYU, JINSOOK, KR
[72] PARK, SANGMIN, KR
[72] YOUN, MYUNGJUNE, KR
[73] LG ELECTRONICS INC., KR
[85] 2019-10-24
[86] 2018-04-26 (PCT/KR2018/004885)
[87] (WO2018/199668)
[30] US (62/491,191) 2017-04-27
[30] US (62/501,055) 2017-05-03

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[13] C
[51] **Int.Cl. G06F 16/245 (2019.01) G06F 16/2452 (2019.01) G06F 40/40 (2020.01) G06N 3/02 (2006.01)**
[25] EN
[54] **NEURAL NETWORK BASED TRANSLATION OF NATURAL LANGUAGE QUERIES TO DATABASE QUERIES**
[54] **TRADUCTION BASEE SUR UN RESEAU NEURONAL D'INTERROGATIONS EN LANGAGE NATUREL EN INTERROGATIONS DE BASE DE DONNEES**
[72] ZHONG, VICTOR, US
[72] XIONG, CAIMING, US
[72] SOCHER, RICHARD, US
[73] SALESFORCE.COM, INC., US
[85] 2019-10-30
[86] 2018-05-17 (PCT/US2018/033099)
[87] (WO2018/213530)
[30] US (62/508,367) 2017-05-18
[30] US (15/885,613) 2018-01-31

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[13] C
[51] **Int.Cl. A01N 43/08 (2006.01) A01P 7/04 (2006.01) A01P 21/00 (2006.01) C05D 9/02 (2006.01)**
[25] EN
[54] **FORMULATIONS OF METAL AND ASCORBIC ACID COMPLEXES, THEIR OBTAINING AND USE**
[54] **FORMULATIONS DE COMPLEXES METAL-ACIDE ASCORBIQUE, LEUR OBTENTION ET LEUR UTILISATION**
[72] AMBROZIAK, KRZYSZTOF, PL
[72] CZAJA, TADEUSZ, PL
[72] KARDASZ, HUBERT, PL
[73] INTERMAG SP. Z O.O., PL
[85] 2019-11-06
[86] 2018-05-15 (PCT/PL2018/050021)
[87] (WO2018/236235)
[30] PL (P.421602) 2017-05-15

[11] **3,063,088**
[13] C
[51] **Int.Cl. H04L 43/08 (2022.01) H04L 45/24 (2022.01) H04L 45/30 (2022.01) H04L 45/302 (2022.01) H04L 61/4511 (2022.01)**
[25] EN
[54] **ROUTING NETWORK TRAFFIC BASED ON PERFORMANCE**
[54] **ROUTAGE D'UN TRAFIC DE RESEAU SUR LA BASE DE PERFORMANCES**
[72] OLOFSSON, LARS OLOF STEFAN, US
[72] SHAH, HIMANSHU, US
[72] ATTARWALA, MURTUZA, US
[73] CISCO TECHNOLOGY, INC., US
[85] 2019-11-08
[86] 2018-05-02 (PCT/US2018/030628)
[87] (WO2018/208552)
[30] US (15/591,064) 2017-05-09

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[13] C
[51] **Int.Cl. E04F 15/18 (2006.01) E04C 2/32 (2006.01)**
[25] EN
[54] **UNCOUPLING MAT**
[54] **TAPIS DE DEGAGEMENT**
[72] SCHLUTER, WERNER, DE
[73] SCHLUTER SYSTEMS (CANADA) INC., CA
[86] (3064261)
[87] (3064261)
[22] 2018-02-21
[62] 2,995,888
[30] DE (20 2017 101 349.9) 2017-03-09

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[13] C
[51] **Int.Cl. B65D 5/00 (2006.01) B65D 5/36 (2006.01) B65D 5/46 (2006.01)**
[25] EN
[54] **CARTON WITH LOCKING FEATURES**
[54] **CARTON COMPRENANT DES ELEMENTS DE VERROUILLAGE**
[72] OLIVEIRA, STEVEN M., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2019-11-22
[86] 2018-07-16 (PCT/US2018/042246)
[87] (WO2019/018265)

[11] **3,064,998**
[13] C
[51] **Int.Cl. E05F 15/70 (2015.01) E05B 83/18 (2014.01)**
[25] EN
[54] **VOICE ACTIVATED LIFTGATE**
[54] **HAYON ACTIVE PAR LA VOIX**
[72] GRGAC, STEVEN, CA
[72] RIZWAN, YASSIR, CA
[72] REIDEMEISTER, THOMAS, CA
[72] TCHAMGOUE, GUY MARTIN, CA
[73] MAGNA EXTERIORS INC., CA
[85] 2019-11-25
[86] 2018-05-24 (PCT/IB2018/053703)
[87] (WO2018/215972)
[30] US (62/511,102) 2017-05-25

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[51] **Int.Cl. H04N 21/438 (2011.01) H04N 21/258 (2011.01) H04N 21/6543 (2011.01) H04N 21/6547 (2011.01)**
[25] EN
[54] **CUSTOMIZED OVER-THE-AIR TELEVISION CHANNEL MAPPING FOR GEOGRAPHICAL AREA USING CROWDSOURCING OF OVER-THE-AIR TELEVISION CHANNELS**
[54] **MAPPAGE PERSONNALISE DE CANAUX RADIO DE TELEVISION POUR UNE ZONE GEOGRAPHIQUE A L'AIDE D'UNE EXTERNALISATION OUVERTE DE CANAUX RADIO DE TELEVISION**
[72] RAMARAJ, JAYAPRAKASH, IN
[72] KOTIAN, PREETHAM, IN
[73] DISH NETWORK TECHNOLOGIES INDIA PRIVATE LIMITED, IN
[85] 2019-11-27
[86] 2018-05-31 (PCT/IB2018/053867)
[87] (WO2018/220563)
[30] US (15/610,130) 2017-05-31

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[13] C
[51] **Int.Cl. A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61K 45/06 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **DULAGLUTIDE FOR THE TREATMENT OF CHRONIC KIDNEY DISEASE**
[54] **DULAGLUTIDE POUR LE TRAITEMENT DE MALADIES RENALES CHRONIQUES**
[72] BOTROS, FADY TALAAT, US
[72] LAKSHMANAN, MARK CHANDRAKANT, US
[72] TUTTLE, KATHERINE ROSE, US
[72] ZIMMERMANN, ALAN GEORGE, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-11-27
[86] 2018-05-24 (PCT/US2018/034278)
[87] (WO2018/222472)
[30] US (62/513,556) 2017-06-01

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[51] **Int.Cl. G06Q 10/0836 (2023.01) G06Q 10/0835 (2023.01) E05B 47/00 (2006.01) E05G 1/04 (2006.01) E05G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM OPERATED RESPONSIVE TO DATA BEARING RECORDS**
[54] **SYSTEME CONTROLE EN REPONSE A DES ENREGISTREMENTS DE DONNEES**
[72] ESTILL, JIM, CA
[73] DANBY PRODUCTS LIMITED, CA
[86] (3065993)
[87] (3065993)
[22] 2019-12-23
[30] US (62/784967) 2018-12-26

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[51] **Int.Cl. C07J 41/00 (2006.01) A61K 31/566 (2006.01) A61K 31/58 (2006.01) A61P 5/32 (2006.01) C07J 43/00 (2006.01)**
[25] EN
[54] **15.BETA.-[3-PROPANAMIDO]-SUBSTITUTED ESTRA-1,3,5(10)-TRIEN-17-ONE COMPOUNDS AND THEIR 17-OXIMES FOR USE IN INHIBITION OF 17.BETA.-HYDROXYSTEROID DEHYDRO-GENASES**
[54] **COMPOSES D'ESTRADIOL-1,3,5(10)-TRIENE-ONE-17 DU 15.S-[3-PROPANAMIDO]-SUBSTITUES ET LEURS 17-OXIMES POUR UTILISATION DANSL'INHIBITION DE 17.S-HYDROXYSTEROIDES DESHYDROGENASES**
[72] HIRVELA, LEENA, FI
[72] HAKOLA, MARJO, FI
[72] LINNANEN, TERO, FI
[72] KOSKIMIES, PASI, FI
[72] STJERNSCHANTZ, CAMILLA, FI
[73] FORENDO PHARMA LTD, FI
[85] 2019-12-04
[86] 2018-06-07 (PCT/FI2018/050427)
[87] (WO2018/224736)
[30] FI (20175530) 2017-06-08

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[51] **Int.Cl. B60B 11/00 (2006.01) B62D 55/06 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR A TOWED VEHICLE**
[54] **SYSTEME DE CHENILLES POUR VEHICULE TRACTE**
[72] SAUVAGEAU, YVES, CA
[72] LAFLAMME, FRANCOIS, CA
[72] NANAC, BRANISLAV, CA
[72] GAUTHIER, PATRICK, CA
[72] HALSTEAD, ERIC, CA
[72] NADEAU, MARC, CA
[72] MARTINEAU-ROUSSEAU, PHILIPPE, CA
[72] BARRY, DAVID, CA
[73] SOUCY INTERNATIONAL INC., CA
[85] 2019-12-05
[86] 2018-07-11 (PCT/IB2018/055123)
[87] (WO2019/012453)
[30] US (62/530,937) 2017-07-11

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[51] **Int.Cl. C12M 3/06 (2006.01) C12N 5/071 (2010.01) C12N 5/077 (2010.01) C12M 3/00 (2006.01) C12M 3/04 (2006.01) C12N 5/00 (2006.01) C12N 11/00 (2006.01) C12Q 1/00 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **LIVING TISSUE MODEL DEVICE, VASCULAR WALL MODEL, VASCULAR WALL MODEL DEVICE AND METHOD OF EVALUATING TEST SUBSTANCE**
[54] **DISPOSITIF DE MODELE DE TISSU VIVANT, MODELE DE PAROI VASCULAIRE, DISPOSITIF DE MODELE DE PAROI VASCULAIRE ET PROCEDE D'EVALUATION DE SUBSTANCE DE TEST**
[72] ITO, KOJU, JP
[72] KAKINUMA, CHIHAYA, JP
[72] NISHINO, MASAFUMI, JP
[72] MIMA, SHINJI, JP
[72] NEVILLE, CRAIG M., US
[72] SUNDBACK, CATHRYN A., US
[73] FUJIFILM CORPORATION, JP
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2019-12-06
[86] 2018-06-07 (PCT/US2018/036363)
[87] (WO2018/226901)
[30] US (15/618,150) 2017-06-09

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[13] C
[51] **Int.Cl. G16B 20/20 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING MICROSATELLITE INSTABILITY**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'UNE INSTABILITE DE MICROSATELLITE**
[72] ZHANG, SHILE, US
[72] SO, ALEX S., US
[72] KAPLAN, SHANNON, US
[72] KRUGLYAK, KRISTINA M., US
[72] BILKE, SVEN, US
[73] ILLUMINA, INC., US
[85] 2019-11-29
[86] 2018-11-14 (PCT/US2018/061067)
[87] (WO2019/099529)
[30] US (62/587,350) 2017-11-16
[30] US (62/652,151) 2018-04-03

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[13] C
[51] **Int.Cl. B64C 3/18 (2006.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **AIRCRAFT WING COMPOSITE RIBS HAVING ELECTRICAL GROUNDING PATHS**
[54] **NERVURES COMPOSITES D'AILE D'AERONEF AVEC PARCOURS DE MISE A LA TERRE ELECTRIQUE**
[72] WALKER, STEVEN PAUL, US
[73] THE BOEING COMPANY, US
[86] (3067469)
[87] (3067469)
[22] 2020-01-09
[30] US (16/247,201) 2019-01-14

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[13] C
[51] **Int.Cl. H02K 21/24 (2006.01) H02K 1/28 (2006.01) H02K 3/47 (2006.01) H02K 9/10 (2006.01) H02K 16/00 (2006.01)**
[25] EN
[54] **ELECTRICAL MACHINE**
[54] **MACHINE ELECTRIQUE**
[72] EKWINSKI, GRZEGORZ, PL
[73] EQUELO SP.Z O.O., PL
[85] 2019-12-16
[86] 2017-12-14 (PCT/PL2017/000125)
[87] (WO2019/022624)
[30] PL (P.422393) 2017-07-28

[11] **3,068,405**
[13] C
[51] **Int.Cl. F03D 80/20 (2016.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR DETECTING A SHADOW CONDITION OF A WIND TURBINE**
[54] **PROCEDE ET AGENCEMENT POUR DETECTER UNE CONDITION D'OMBRE D'UNE EOLIENNE**
[72] LEYTE-VIDAL, ALBERT, US
[72] STRAUB, KURT, US
[72] FARAJI-TAJRISHI, NAKIESA, US
[72] CARABALLO, PAMELA S., US
[73] SIEMENS GAMESA RENEWABLE ENERGY A/S, DK
[85] 2019-12-23
[86] 2018-06-01 (PCT/US2018/035522)
[87] (WO2019/005419)
[30] US (15/637,213) 2017-06-29

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[13] C
[51] **Int.Cl. B60W 30/14 (2006.01) B60W 50/14 (2012.01) B60R 11/04 (2006.01) B60R 21/015 (2006.01) B60W 40/08 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR VEHICLE OCCUPANCY CONFIRMATION**
[54] **PROCEDES ET SYSTEMES DE CONFIRMATION D'OCCUPATION DE VEHICULE**
[72] HERBACH, JOSHUA, US
[73] WAYMO LLC, US
[85] 2019-12-23
[86] 2018-06-27 (PCT/US2018/039860)
[87] (WO2019/013980)
[30] US (62/531,152) 2017-07-11
[30] US (15/681,041) 2017-08-18

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[13] C
[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **WELLBORE TONG**
[54] **PINCE DE PUITS**
[72] WOOD, KEVIN, US
[72] BECKER, ARNE TJARK, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3070119)
[87] (3070119)
[22] 2020-01-28
[30] US (16/274,952) 2019-02-13

[11] **3,070,223**
[13] C
[51] **Int.Cl. A61K 8/81 (2006.01) A61K 8/03 (2006.01) A61K 8/24 (2006.01) A61K 8/44 (2006.01) A61K 8/85 (2006.01) A61K 8/86 (2006.01) A61K 8/90 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **BIPHASIC ORAL CARE COMPOSITIONS**
[54] **COMPOSITIONS BIPHASIQUES POUR L'HYGIENE BUCCALE**
[72] MYERS, CARL, US
[72] BEGUM-GAFUR, REHANA, US
[72] MILLER, JEFFREY MERL, US
[72] MAKWANA, EKTA, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2020-01-16
[86] 2017-08-04 (PCT/US2017/045436)
[87] (WO2019/027468)

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[51] **Int.Cl. G05D 7/06 (2006.01) G06Q 10/04 (2023.01) G06Q 50/06 (2012.01) G06Q 10/0637 (2023.01) E03B 1/00 (2006.01)**
[25] EN
[54] **DECENTRALIZED PLANNING, SCHEDULING AND CONTROL OF MULTI-AGENT FLOW CONTROL SYSTEM**
[54] **PLANIFICATION, PROGRAMMATION ET COMMANDE DECENTRALISEES D'UN SYSTEME DE COMMANDE DE FLUX A AGENTS MULTIPLES**
[72] SONG, ZHEN, US
[72] WU, XIAOFAN, US
[72] SRIVASTAVA, SANJEEV, US
[72] NEPAL, SHAILI, US
[73] SIEMENS CORPORATION, US
[85] 2020-01-16
[86] 2018-04-03 (PCT/US2018/025877)
[87] (WO2019/018015)
[30] US (62/533,718) 2017-07-18

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[51] **Int.Cl. H04L 67/02 (2022.01) H04L 67/14 (2022.01) H04L 67/143 (2022.01) H04L 69/327 (2022.01) H04L 67/1095 (2022.01)**
[25] EN
[54] **METHOD FOR MANAGING SESSIONS USING WEB SOCKETS**
[54] **PROCEDE DE GESTION DE SESSIONS A L'AIDE DE STANDARDS WEBSOCKET**
[72] BOWDEN, KENNETH SCOTT, US
[73] CITRIX SYSTEMS, INC., AU
[85] 2020-01-17
[86] 2018-07-13 (PCT/US2018/042062)
[87] (WO2019/018228)
[30] US (15/654,522) 2017-07-19

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[51] **Int.Cl. F16L 37/088 (2006.01)**
[25] EN
[54] **QUICK CONNECT WITH INDICATOR TAB**
[54] **RACCORD RAPIDE A LANGUETTE INDICATRICE**
[72] HAGEN, KRISTIAN, US
[72] HALL, THOMAS, US
[73] OETIKER NY, INC., US
[85] 2020-01-24
[86] 2018-08-07 (PCT/US2018/045590)
[87] (WO2019/036233)
[30] US (62/545,123) 2017-08-14

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[13] C
[51] **Int.Cl. H03M 13/00 (2006.01)**
[25] EN
[54] **TRANSMISSION OF REDUNDANCY VERSIONS IN BLOCK CODING**
[54] **TRANSMISSIONS DES VERSIONS DE REDONDANCE DANS LE CODAGE DE BLOC**
[72] SUN, JINGYUAN, CN
[72] DU, DONGYANG, CN
[72] JIANG, WEI, CN
[72] ZENG, XIANGNIAN, CN
[72] ZHANG, YI, CN
[73] NOKIA TECHNOLOGIES OY, FI
[85] 2020-02-07
[86] 2017-08-10 (PCT/CN2017/096911)
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[51] **Int.Cl. B32B 9/00 (2006.01) C23C 14/08 (2006.01)**
[25] EN
[54] **GAS BARRIER LAMINATED BODY**
[54] **STRATIFIE DOTE DE PROPRIETES BARRIERE AU GAZ**
[72] KASHIWA, MITSUHIRO, JP
[72] NUMATA, YUKIHIRO, JP
[72] ISEKI, KIYOSHI, JP
[73] TOYOBO CO., LTD., JP
[85] 2020-02-07
[86] 2018-07-26 (PCT/JP2018/028077)
[87] (WO2019/031263)
[30] JP (2017-155059) 2017-08-10

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[51] **Int.Cl. A61B 17/12 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **OCCLUSION DEVICE**
[54] **DISPOSITIF D'OCCLUSION**
[72] GRIFFIN, STEPHEN, US
[73] CERUS ENDOVASCULAR LIMITED, GB
[85] 2020-02-17
[86] 2018-08-21 (PCT/EP2018/072576)
[87] (WO2019/038293)
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[25] EN
[54] **CONTEXT AWARE STOPPING FOR AUTONOMOUS VEHICLES**
[54] **ARRET SENSIBLE AU CONTEXTE POUR VEHICULES AUTONOMES**
[72] DYER, JOHN WESLEY, US
[72] TORRES, LUIS, US
[72] EPSTEIN, MICHAEL, US
[72] DUPRE, GUILLAUME, US
[72] HERBACH, JOSHUA SETH, US
[73] WAYMO LLC, US
[85] 2020-02-18
[86] 2018-08-21 (PCT/US2018/047219)
[87] (WO2019/040431)
[30] US (15/683,028) 2017-08-22

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[25] EN
[54] **APPARATUS AND METHOD FOR A REMEDIATION PLANT**
[54] **APPAREIL ET PROCEDE POUR UNE INSTALLATION DE TRAITEMENT**
[72] FELTMAN, WENDELL, US
[72] ROONEY, PATRICK, CA
[72] SCOTT, JERRY, CA
[72] RISLEY, KEVIN, US
[72] REED, BOB, US
[72] MCNABB, DUSTY, US
[73] ASTEC, INC., US
[73] MUNICIPAL ENTERPRISES LTD., CA
[85] 2020-02-20
[86] 2019-02-06 (PCT/US2019/016825)
[87] (WO2019/157040)
[30] US (62/626,828) 2018-02-06

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[13] C
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **QUANTUM ERROR CORRECTION**
[54] **CORRECTION D'ERREUR QUANTIQUE**
[72] FOWLER, AUSTIN GREIG, US
[73] GOOGLE LLC, US
[85] 2020-03-06
[86] 2017-09-12 (PCT/US2017/051193)
[87] (WO2019/054990)

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[13] C
[51] **Int.Cl. G05B 13/04 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **PLANT MANAGEMENT SYSTEM AND MANAGEMENT DEVICE**
[54] **SYSTEME DE GESTION D'INSTALLATION ET DISPOSITIF DE GESTION**
[72] FURUICHI, KAZUYA, JP
[72] IKAWA, SHIZUKA, JP
[73] CHIYODA CORPORATION, JP
[85] 2020-03-10
[86] 2018-11-12 (PCT/JP2018/041848)
[87] (WO2019/098158)
[30] JP (2017-219077) 2017-11-14

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[13] C
[51] **Int.Cl. H01Q 3/26 (2006.01) H01Q 1/38 (2006.01) H01Q 9/16 (2006.01) H01Q 13/10 (2006.01)**
[25] EN
[54] **NEAR-GRAZING RETROREFLECTORS FOR POLARIZATION**
[54] **RETROREFLECTEURS QUASI RASANTS POUR POLARISATION**
[72] GREEN, ALON, CA
[72] TIMMERMANS, PETER, CA
[72] KINIO, WALTER, CA
[72] WONG, ALEX M. H., CA
[72] CHRISTIAN, PHILIP, CA
[72] ELEFTHERIADES, GEORGE V., CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
[85] 2020-03-16
[86] 2018-10-26 (PCT/IB2018/058408)
[87] (WO2019/082164)
[30] US (62/578,026) 2017-10-27
[30] US (16/171,955) 2018-10-26

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[13] C
[51] **Int.Cl. G06F 11/34 (2006.01) G06F 21/34 (2013.01)**
[25] EN
[54] **SECURE, REMOTE SUPPORT PLATFORM WITH AN EDGE DEVICE**
[54] **PLATEFORME DE SUPPORT A DISTANCE SECURISEE DOTEE D'UN DISPOSITIF PERIPHERIQUE**
[72] LEFEBVRE, JEREMY, CA
[72] STUBBS, JOSEPH JONATHAN, CA
[72] MCMULLIN, GREGORY THOMAS, CA
[73] INFINITY TRIBE GROUP INC., CA
[85] 2020-03-17
[86] 2018-09-20 (PCT/US2018/052022)
[87] (WO2019/060593)
[30] US (62/560,704) 2017-09-20
[30] US (62/560,707) 2017-09-20
[30] US (62/560,708) 2017-09-20
[30] US (62/560,710) 2017-09-20

[11] **3,076,165**
[13] C
[51] **Int.Cl. F16L 21/06 (2006.01)**
[25] EN
[54] **FITTING APPARATUS FOR CONNECTING PIPES**
[54] **DISPOSITIF DE RACCORD DESTINE A RACCORDER DES TUYAUX**
[72] LEE, KWANG WON, KR
[73] JUNGWOO METAL IND. CO., LTD., KR
[85] 2020-03-18
[86] 2020-03-12 (PCT/KR2020/003422)
[87] (WO2021/040164)
[30] KR (KR10-2019-0106960) 2019-08-30

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[25] EN
[54] **ROBOT CHARGING STATION PROTECTIVE MEMBER**
[54] **ELEMENT DE PROTECTION DE STATION DE CHARGE DE ROBOT**
[72] KWA, HIAN KAI, US
[72] FONG, CHRISTINA NICOLE, US
[73] LOCUS ROBOTICS CORP., US
[85] 2020-03-19
[86] 2018-09-21 (PCT/US2018/052249)
[87] (WO2019/060747)
[30] US (15/712,463) 2017-09-22

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[13] C
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS ROBOT CHARGING PROFILE SELECTON**
[54] **SELECTION DE PROFIL DE CHARGE DE ROBOT AUTONOME**
[72] SUSSMAN, MICHAEL, US
[72] INSINGA, ARON KLAIR, US
[73] LOCUS ROBOTICS CORP., US
[85] 2020-03-19
[86] 2018-09-21 (PCT/US2018/052263)
[87] (WO2019/060757)
[30] US (15/712,441) 2017-09-22

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[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/0783 (2010.01) C07K 7/06 (2006.01) C07K 14/705 (2006.01) C07K 16/18 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12P 21/02 (2006.01) C07K 14/74 (2006.01)**
[25] EN
[54] **NOVEL IMMUNOTHERAPY AGAINST SEVERAL TUMORS INCLUDING GASTROINTESTINAL AND GASTRIC CANCER**
[54] **NOUVELLE IMMUNOTHERAPIE CONTRE PLUSIEURS TUMEURS Y COMPRIS LE CANCER GASTRO-INTESTINAL ET LE CANCER GASTRIQUE**
[72] WEINSCHENK, TONI, DE
[72] FRITSCHE, JENS, DE
[72] WALTER, STEFFEN, DE
[72] LEWANDROWSKI, PETER, DE
[72] SINGH, HARPREET, DE
[73] IMMATICS BIOTECHNOLOGIES GMBH, DE
[86] (3076642)
[87] (3076642)
[22] 2011-03-15
[62] 2,986,969
[30] US (61/315,704) 2010-03-19
[30] GB (1004551.6) 2010-03-19

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[51] **Int.Cl. A61N 1/18 (2006.01) A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 50/00 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **ELECTROPHORETIC ACTIVE DELIVERY SYSTEM INCLUDING POROUS CONDUCTIVE ELECTRODE LAYER**
[54] **SYSTEME D'ADMINISTRATION ELECTROPHORETIQUE ACTIVE COMPRENANT UNE COUCHE D'ELECTRODE CONDUCTRICE POREUSE**
[72] LIU, LEI, US
[73] E INK CALIFORNIA, LLC, US
[85] 2020-03-24
[86] 2018-11-12 (PCT/US2018/060259)
[87] (WO2019/099320)
[30] US (62/585,663) 2017-11-14

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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/71 (2006.01) C07K 16/28 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CKAP4 MONOCLONAL ANTIBODY**
[54] **ANTICORPS MONOCLONAL ANTI-CKAP4**
[72] KIKUCHI, AKIRA, JP
[72] FUMOTO, KATSUMI, JP
[72] KIMURA, HIROKAZU, JP
[73] OSAKA UNIVERSITY, JP
[85] 2020-03-25
[86] 2018-09-26 (PCT/JP2018/035719)
[87] (WO2019/065747)
[30] JP (2017-185090) 2017-09-26

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[51] **Int.Cl. B01L 9/00 (2006.01) B01L 3/00 (2006.01) B01L 3/02 (2006.01) B01L 7/02 (2006.01) B01L 9/06 (2006.01) B65D 1/00 (2006.01) B65D 1/34 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PROVIDING AND ASSEMBLING AN AUTO-INJECTOR**
[54] **SYSTEME ET PROCEDE DE PRODUCTION ET D'ASSEMBLAGE D'UN AUTO-INJECTEUR**
[72] STANDLEY, ADAM, US
[73] WINDGAP MEDICAL, INC., US
[85] 2020-03-25
[86] 2018-11-08 (PCT/US2018/059755)
[87] (WO2019/094547)
[30] US (62/582,969) 2017-11-08

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[51] **Int.Cl. G01F 1/10 (2006.01) G01F 15/14 (2006.01)**
[25] EN
[54] **FLOW METER WITH ROTOR ASSEMBLY**
[54] **DEBITMETRE A ENSEMBLE ROTOR**
[72] NEILSON, THOMAS, US
[72] VINCENT, GORDON, US
[72] KABIR, OMAR M., US
[72] DRAKE, TREYTON, US
[73] CAMERON TECHNOLOGIES LIMITED, NL
[85] 2020-03-27
[86] 2017-09-22 (PCT/US2017/053043)
[87] (WO2018/063941)
[30] US (15/277,901) 2016-09-27

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[51] **Int.Cl. H02P 25/022 (2016.01) H02P 23/14 (2006.01) F04D 13/08 (2006.01)**
[25] EN
[54] **VOLTAGE OPTIMIZATION TECHNIQUE FOR A PERMANENT MAGNET MOTOR USED IN AN ELECTRIC SUBMERSIBLE PUMP**
[54] **TECHNIQUE D'OPTIMISATION DE LA TENSION POUR UN MOTEUR A AIMANT PERMANENT UTILISE DANS UNE POMPE SUBMERSIBLE ELECTRIQUE**
[72] SELVARAJ, GOUTHAM, US
[72] DUAN, YAO, US
[72] LIU, YU, US
[72] RAYNER, MARK DOUGLAS, US
[73] TOSHIBA INTERNATIONAL CORPORATION, US
[86] (3077885)
[87] (3077885)
[22] 2020-04-03
[30] US (62/829,271) 2019-04-04

[11] **3,078,146**
[13] C
[51] **Int.Cl. B27N 3/10 (2006.01) B27N 1/02 (2006.01)**
[25] EN
[54] **LIGNIN REINFORCED ADHESION OF WOOD COMPOSITES PANEL PRODUCTS**
[54] **ADHERENCE RENFORCEE PAR DE LA LIGNINE DE PRODUITS DE PANNEAUX COMPOSITES EN BOIS**
[72] ZHANG, YAOLIN, CA
[72] KOUISNI, LAMFEDDAL, CA
[72] PALEOLOGOU, MICHAEL, CA
[72] PARADIS-BOIES, SIMON, CA
[72] RAYMOND, STEPHAN, CA
[72] FENG, MARTIN W., CA
[72] HUANG, ZEEN, CA
[73] FPINNOVATIONS, CA
[85] 2020-04-01
[86] 2018-10-02 (PCT/CA2018/051237)
[87] (WO2019/068180)
[30] US (62/566,776) 2017-10-02

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[13] C
[51] **Int.Cl. A61K 6/62 (2020.01) A61K 6/887 (2020.01) A61K 6/889 (2020.01) A61K 6/90 (2020.01)**
[25] EN
[54] **PHOTOCURABLE DENTAL COMPOSITION CONTAINING SULFINATE OR SULFONATE COMPOUNDS**
[54] **COMPOSITION DENTAIRE PHOTODURCISSABLE CONTENANT DES COMPOSES DE SULFINATE OU DE SULFONATE**
[72] SZILLAT, FLORIAN, DE
[72] MAIER, MAXIMILIAN, DE
[72] RENN, CAROLINE, DE
[72] KLEE, JOACHIM E., DE
[72] ELSNER, OLIVER, DE
[72] KEMPTER, JORG, DE
[72] LALEVEE, JACQUES, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[72] KIRSCHNER, JULIE, FR
[73] DENTSPLY DETREY GMBH, DE
[85] 2020-04-09
[86] 2018-10-09 (PCT/EP2018/077383)
[87] (WO2019/072787)
[30] EP (17196330.9) 2017-10-13

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[51] **Int.Cl. B62M 7/00 (2010.01) B60K 17/02 (2006.01) B62D 55/08 (2006.01) B62M 27/02 (2006.01)**
[25] EN
[54] **SNOWMOBILE WITH CVT CLUTCH ARRANGEMENT**
[54] **MOTONEIGE AVEC EMBRAYAGE CVT**
[72] HEDLUND, MICHAEL A., US
[72] PRUSAK, MATTHEW J., US
[72] FUGLEBERG, MICHAEL L., US
[72] EATON, JEFFREY A., US
[73] POLARIS INDUSTRIES INC., US
[86] (3079718)
[87] (3079718)
[22] 2013-02-08
[62] 2,863,952
[30] US (61/597,104) 2012-02-09

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[13] C
[51] **Int.Cl. G06Q 40/02 (2023.01) G07F 19/00 (2006.01)**
[25] EN
[54] **ACCOUNT DATA MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE DONNEES DE COMPTE**
[72] ISHIDA, YUZO, JP
[72] YOSHIDA, HIROO, JP
[72] SOGA, MASAKI, JP
[72] MURAKAMI, SHUNSUKE, JP
[72] NEGISHI, MASAKUNI, JP
[73] 10353744 CANADA LTD., CA
[86] (3079733)
[87] (3079733)
[22] 2015-03-30
[62] 3,018,822

[11] **3,080,338**
[13] C
[51] **Int.Cl. E01H 1/04 (2006.01) E01H 1/05 (2006.01)**
[25] EN
[54] **AUTOMOTIVE SWEEPER**
[54] **BALAYEUSE AUTOMOBILE**
[72] ZIPES, ALEXANDER, CH
[72] ZIMMERMANN, THOMAS, CH
[73] BUCHER MUNICIPAL AG, CH
[86] (3080338)
[87] (3080338)
[22] 2020-05-05
[30] CH (00626/19) 2019-05-13

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[13] C
[51] **Int.Cl. H02G 3/34 (2006.01) H01B 17/38 (2006.01) H01B 17/58 (2006.01) H02G 7/00 (2006.01)**
[25] EN
[54] **INSULATOR INSERT FOR SERVICE ENTRANCE CAP**
[54] **INSERT D'ISOLATEUR POUR TETE DE BRANCHEMENT**
[72] WILSON, LAURIN T., SR., US
[73] WILSON, LAURIN T., SR., US
[86] (3080376)
[87] (3080376)
[22] 2020-05-07
[30] US (62/847,495) 2019-05-14

[11] **3,080,416**
[13] C
[51] **Int.Cl. H02G 7/20 (2006.01)**
[25] EN
[54] **OVERHEAD POWER DISTRIBUTION LINE WITH LIGHTNING PROTECTION**
[54] **LIGNE DE DISTRIBUTION D'ELECTRICITE SUSPENDUE AVEC PROTECTION CONTRE LA FOUDRE**
[72] MA, BIN, CN
[72] LI, DEQUAN, CN
[72] YU, JIE, CN
[72] FANG, JIANG, CN
[72] HUANG, QING, CN
[73] JIANGSU SHEMAR ELECTRIC CO., LTD., CN
[85] 2020-04-27
[86] 2018-09-29 (PCT/CN2018/108772)
[87] (WO2019/085706)
[30] CN (201711033404.0) 2017-10-30

[11] **3,080,608**
[13] C
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **ELECTRONIC ATOMIZING DEVICE AND ATOMIZER AND SUCTION NOZZLE ASSEMBLY THEREOF**
[54] **DISPOSITIF D`ATOMISATION ELECTRONIQUE ET SON ENSEMBLE ATOMISEUR ET BUSE D'ASPIRATION**
[72] CHEN, SHOUHAO, CN
[72] LI, FUXUAN, CN
[73] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN
[86] (3080608)
[87] (3080608)
[22] 2020-05-07
[30] CN (201920673346.6) 2019-05-08

[11] **3,080,833**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 7/00 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY-POWERED DRILLING RIG AND METHOD FOR OPERATING THEREOF**
[54] **INSTALLATION DE FORAGE ALIMENTEE ELECTRIQUEMENT ET SON PROCEDE DE FONCTIONNEMENT**
[72] CARON, JEAN-CLAUDE, CA
[72] LEVESQUE, MARIO, CA
[73] CARON TECHNOLOGIES INTERNATIONAL INC., CA
[85] 2020-04-27
[86] 2018-10-25 (PCT/CA2018/051352)
[87] (WO2019/079899)
[30] US (62/576,833) 2017-10-25

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[13] C
[51] **Int.Cl. C12N 15/10 (2006.01) C40B 40/10 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **KITS FOR ANALYSIS USING NUCLEIC ACID ENCODING AND/OR LABEL**
[54] **KITS D'ANALYSE UTILISANT UN CODAGE ET/OU UNE ETIQUETTE D'ACIDE NUCLEIQUE**
[72] CHEE, MARK S., US
[72] BEIERLE, JOHN M., US
[72] MURANAKA, NORIHITO, US
[72] GUNDERSON, KEVIN, US
[72] WEINER, MICHAEL PHILLIP, US
[72] SHI, LEI, US
[72] JAMES, ROBERT C., US
[72] MONFREGOLA, LUCA, US
[73] ENCODIA, INC., US
[85] 2020-04-29
[86] 2018-10-31 (PCT/US2018/058565)
[87] (WO2019/089836)
[30] US (62/579,844) 2017-10-31
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[25] EN
[54] **ANALYSIS/SYNTHESIS WINDOWING FUNCTION FOR MODULATED LAPPED TRANSFORMATION**
[54] **FONCTION DE FENETRAGE D'ANALYSE/SYNTHESE POUR TRANSFORMATION A CHEVAUCHEMENT MODULE**
[72] SCHNELL, MARKUS, DE
[72] LUTZKY, MANFRED, DE
[72] TSCHEKALINSKIJ, ALEXANDER, DE
[72] GEIGER, RALF, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[87] (WO2019/092061)
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[25] EN
[54] **TUBING FOR BRAKE AND FUEL SYSTEMS INCORPORATING GRAPHENE IMPREGNATED POLYAMIDES**
[54] **TUYAUTERIE POUR CIRCUITS DE FREIN DE CARBURANT INTEGRANT DES POLYAMIDES IMPREGNES DE GRAPHENE**
[72] KERIN, JAMES J., JR., US
[72] BANERJI, ANINDYA, CA
[73] MARTINREA INTERNATIONAL US INC., US
[86] (3082313)
[87] (3082313)
[22] 2020-06-08
[30] US (16/529,880) 2019-08-02

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[51] **Int.Cl. E21B 7/02 (2006.01) E21B 4/02 (2006.01) E21B 19/18 (2006.01) E21D 9/10 (2006.01)**
[25] EN
[54] **AUTONOMOUS DRILLING MACHINE FOR THE CONSTRUCTION OF SERVICE SHAFTS AND OPEN SHAFTS**
[54] **MACHINE PERFORATRICE AUTONOME POUR CONSTRUCTION DE CHEMINEES DE SERVICE ET A FACE LIBRE**
[72] BLATTNER, MARC ANTHONY, PE
[73] TUMI CONTRATISTAS MINEROS SAC, PE
[73] BLATTNER, MARC ANTHONY, PE
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[54] **STEERING SYSTEM FOR USE WITH A DRILL STRING**
[54] **DIRECTION DESTINEE A ETRE UTILISEE AVEC UN TRAIN DE TIGES DE FORAGE**
[72] CHAMBERS, LARRY DELYNN, US
[72] DEOLALIKAR, NEELESH V., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-05-26
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[54] **ORAL CARE IMPLEMENT HAVING A HANDLE AND HEAD OF DIFFERENT DENSITIES**
[54] **APPAREIL DE SOINS BUCCAUX AYANT UNE POIGNEE ET UNE TETE DE DIFFERENTES DENSITES**
[72] JUNGNICKEL, UWE, DE
[73] THE GILLETTE COMPANY LLC, US
[85] 2020-05-27
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[25] EN
[54] **CODEBOOK FEEDBACK FOR DATA RETRANSMISSIONS**
[54] **RETROACTION DE LIVRE-CODE POUR DES RETRANSMISSIONS DE DONNEES**
[72] LIU, XING, CN
[72] HAO, PENG, CN
[72] GOU, WEI, CN
[72] BI, FENG, CN
[73] ZTE CORPORATION, CN
[85] 2020-04-21
[86] 2017-11-17 (PCT/CN2017/111729)
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[54] **ACTIVATABLE POSTAGE**
[54] **FRAIS D'AFFRANCHISSEMENT POUVANT ETRE ACTIVES**
[72] GARBOS, JENNIFER R., US
[72] YOUNG, STEPHANIE F., US
[72] RAVEN, JEANETTE B., US
[72] SCHIMKE, SCOTT, US
[73] HALLMARK CARDS, INCORPORATED, US
[85] 2020-06-01
[86] 2018-12-11 (PCT/US2018/065006)
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[25] EN
[54] **PATIENT INTERFACE AND HEADGEAR**
[54] **INTERFACE DE PATIENT ET DISPOSITIF DE PROTECTION DE LA TETE**
[72] BARNSTEN, TROY, NZ
[72] SMITH, DANIEL JOHN, NZ
[72] HUDDART, BRETT JOHN, NZ
[72] ADAMS, MATTHEW JAMES, NZ
[72] HOBSON, NICHOLAS ALEXANDER, NZ
[72] BERESFORD SHARP, TIMOTHY JAMES, NZ
[72] PATEL, ROHEET, NZ
[72] OLSEN, GREGORY JAMES, NZ
[72] STEPHENSON, MATTHEW ROGER, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[25] EN
[54] **FLOW FENCE FOR AN AIRCRAFT WINGLET**
[54] **BARRIERE D'ECOULEMENT POUR UNE AILETTE D'AERONEF**
[72] REWERTS, SCOTT, US
[72] KAWAMURA, YUICHI, US
[72] OU, KUI, US
[72] FUJINO, MICHIMASA, US
[72] MAHIKO, KAZUHISA, US
[73] AMERICAN HONDA MOTOR CO., INC., US
[85] 2020-06-08
[86] 2018-12-12 (PCT/US2018/065243)
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[25] EN
[54] **LIQUID TO LIQUID BIOLOGICAL PARTICLE CONCENTRATOR WITH DISPOSABLE FLUID PATH**
[54] **CONCENTRATEUR DE PARTICULES BIOLOGIQUES LIQUIDE A LIQUIDE A TRAJET DE FLUIDE JETABLE**
[72] PAGE, ANDREW EDWARD, US
[72] PACKINGHAM, ZACHARY A., US
[72] ALBURTY, DAVID SCOTT, US
[72] ADOLPHSON, ALEC D., US
[73] INNOVAPREP LLC, US
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[87] (3084860)
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[54] **METHOD AND DEVICE FOR LOCATING TARGET ON HUMAN BODY USING SUPERFICIAL VENOUS CHARACTERISTICS**
[54] **PROCEDE ET DISPOSITIF DE LOCALISATION D'UNE CIBLE SUR UN CORPS HUMAIN A L'AIDE DE CARACTERISTIQUES VEINEUSES SUPERFICIELLES**
[72] ZHENG, YANG, CN
[72] ZHENG, XING, CN
[73] SUZHOU KELING MEDICALTECHNOLOGY CO., LTD., CN
[85] 2020-06-15
[86] 2018-12-14 (PCT/CN2018/121226)
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[25] EN
[54] **OPTICAL DEVICE, RANGE SENSOR USING OPTICAL DEVICE, AND MOBILE OBJECT**
[54] **DISPOSITIF OPTIQUE, CAPTEUR DE DISTANCE UTILISANT UN DISPOSITIF OPTIQUE ET OBJET MOBILE**
[72] IKEOH, TOSHIYUKI, JP
[72] YAMADA, YASUFUMI, JP
[72] SAKAI, ATSUSHI, JP
[72] JIKUTANI, NAOTO, JP
[72] UENO, TSUYOSHI, JP
[72] TSUKAMOTO, NOBUNARI, JP
[72] NAKAMURA, TADASHI, JP
[72] IZUMIYA, KAZUMA, JP
[72] SUZUKI, SHUICHI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2020-06-15
[86] 2019-02-01 (PCT/JP2019/003638)
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[25] EN
[54] **A METHOD FOR RECYCLING LITHIUM BATTERIES**
[54] **PROCEDE DE RECYCLAGE DE BATTERIES AU LITHIUM**
[72] HANISCH, CHRISTIAN, DE
[72] ELWERT, TOBIAS, DE
[72] BRUCKNER, LISA, DE
[73] DUESENFELD GMBH, DE
[85] 2020-06-16
[86] 2019-01-29 (PCT/EP2019/052122)
[87] (WO2019/149698)
[30] DE (10 2018 102 026.0) 2018-01-30
[30] EP (18170117.8) 2018-04-30

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[51] **Int.Cl. G06F 16/178 (2019.01)**
[25] EN
[54] **ALLOCATION AND REASSIGNMENT OF UNIQUE IDENTIFIERS FOR SYNCHRONIZATION OF CONTENT ITEMS**
[54] **ATTRIBUTION ET REATTRIBUTION D'IDENTIFIANTS UNIQUES POUR LA SYNCHRONISATION D'ELEMENTS DE CONTENU**
[72] GOLDBERG, ISAAC, US
[72] LAI, JOHN, US
[72] JAYAKAR, SUJAY, US
[73] DROPBOX, INC., US
[85] 2020-06-16
[86] 2018-12-10 (PCT/US2018/064659)
[87] (WO2019/133228)
[30] US (62/611,473) 2017-12-28
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[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/007 (2012.01) E21B 47/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING TUBULAR RUNNING OPERATIONS USING REAL-TIME MEASUREMENTS AND MODELLING**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION D'OPERATIONS DE POSE D'ELEMENTS TUBULAIRES A L'AIDE DE MESURES ET D'UNE MODELISATION EN TEMPS REEL**
[72] VAN VLIET, C. JOHN, CA
[72] TAUBNER, SPENCER, CA
[72] YUNG, VICTOR, CA
[72] DALL'ACQUA, DANIEL, CA
[73] NOETIC TECHNOLOGIES INC., CA
[85] 2020-06-17
[86] 2018-12-21 (PCT/CA2018/000241)
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[30] US (62/610,166) 2017-12-23
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[13] C
[51] **Int.Cl. H02H 7/26 (2006.01) H02J 3/46 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USE WITH MICROGRIDS HAVING INVERTER-BASED DISTRIBUTED GENERATORS**
[54] **SYSTEME ET METHODE A UTILISER AVEC DES MICROGRILLES AYANT DES GENERATRICES DISTRIBUEES A BASE D`INVERSEUR**
[72] SALEH, KHALED, CA
[72] MEHRIZI-SANI, ALI, US
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
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[87] (3086377)
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[51] **Int.Cl. G01F 25/10 (2022.01)**
[25] EN
[54] **VIBRATORY FLOWMETER AND METHODS AND DIAGNOSTICS FOR METER VERIFICATION**
[54] **DEBITMETRE VIBRATOIRE ET PROCEDES ET DIAGNOSTICS POUR LA VERIFICATION DU COMPTEUR**
[72] CUNNINGHAM, TIMOTHY J., US
[72] KAPOLNEK, DAVID J., US
[72] LARSEN, CHRISTOPHER GEORGE (DECEASED), US
[72] RENSING, MATTHEW J., US
[73] MICRO MOTION, INC., US
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[87] (3088354)
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[25] EN
[54] **DISPLAY SYSTEM FOR A VEHICLE**
[54] **SYSTEME D'AFFICHAGE POUR UN VEHICULE**
[72] ISGAR, CHARLES, US
[73] ISGAR, CHARLES, US
[85] 2020-07-20
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[30] US (62/587,987) 2017-11-17
[30] US (16/116,779) 2018-08-29

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[51] **Int.Cl. G01N 27/90 (2021.01)**
[25] EN
[54] **CARRIER-TYPE PULSED EDDY CURRENT TESTING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ESSAI DU COURANT DE FOUCAULT PULSE DE TYPE TRANSPORTEUR**
[72] WU, XINJUN, CN
[72] SONG, YUN, CN
[73] HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2020-08-05
[86] 2019-10-17 (PCT/CN2019/111666)
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[25] EN
[54] **ADJUSTABLE WEIGHT KETTLEBELL**
[54] **HALTERE RUSSE A POIDS REGLABLE**
[72] FLICK, EDWARD L., US
[72] BAKER, BRYCE C., US
[72] BUSH, PJ M., US
[73] NAUTILUS, INC., US
[85] 2020-07-30
[86] 2019-02-04 (PCT/US2019/016546)
[87] (WO2019/152948)
[30] US (62/625,812) 2018-02-02

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[51] **Int.Cl. F03D 80/50 (2016.01)**
[25] EN
[54] **NACELLE OF A WIND TURBINE HAVING A LOWERABLE BOTTOM CASING**
[54] **NACELLE D'UNE EOLIENNE AYANT UN CARTER INFERIEUR ABAISSABLE**
[72] KNOOP, FRANK, DE
[72] GUDEWER, WILKO, DE
[72] KREIKENBAUM, JOAN, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2020-07-31
[86] 2019-01-24 (PCT/EP2019/051726)
[87] (WO2019/149611)
[30] DE (10 2018 102 428.2) 2018-02-02

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[51] **Int.Cl. H04N 19/86 (2014.01) H04N 19/124 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **METHOD OF APPLYING EDGE OFFSET**
[54] **PROCEDE D'APPLICATION D'UN DECALAGE DE BORD**
[72] JANG, MIN, KR
[73] GENSQUARE LLC, KR
[86] (3090780)
[87] (3090780)
[22] 2013-01-08
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[51] **Int.Cl. F16K 15/06 (2006.01)**
[25] EN
[54] **CHECK VALVE AND RECIPROCATING BODY FOR CHECK VALVE**
[54] **CLAPET ANTI-RETOUR ET CORPS A VA-ET-VIENT DE CLAPET ANTI-RETOUR**
[72] ISHIZAKI, NOBUYUKI, JP
[72] OUCHI, TAKESHI, JP
[72] KIKUCHI, DAISUKE, JP
[72] KOJIMA, KAZUHIKO, JP
[72] HASEGAWA, FUTOSHI, JP
[72] MIZUTANI, KOHEI, JP
[73] ISHIZAKI CO., LTD., JP
[85] 2020-08-11
[86] 2019-03-11 (PCT/JP2019/009662)
[87] (WO2019/176850)
[30] JP (2018-044510) 2018-03-12

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[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/90 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DATA MART RATIONALIZATION**
[54] **SYSTEMES ET METHODES POUR LA RATIONALISATION DES MAGASINS DE DONNEES**
[72] MAO, VINNIE WAN LEI, CA
[73] BANK OF MONTREAL, CA
[86] (3091204)
[87] (3091204)
[22] 2020-08-26
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[13] C
[51] **Int.Cl. C08L 101/00 (2006.01) B33Y 40/20 (2020.01) B33Y 70/10 (2020.01) C08J 3/12 (2006.01) C08K 3/00 (2018.01)**
[25] EN
[54] **PARTICULATE COMPOSITIONS COMPRISING A METAL PRECURSOR FOR ADDITIVE MANUFACTURING AND METHODS ASSOCIATED THEREWITH**
[54] **COMPOSITIONS PARTICULAIRES COMPORTANT UN PRECURSEUR METALLIQUE POUR UN PROCEDE DE FABRICATION ADDITIVE ET METHODES CONNEXES**
[72] FARRUGIA, VALERIE M., CA
[72] RESETCO, CHRISTINA, CA
[72] HAWKINS, MICHAEL S., CA
[72] SRISKANDHA, SHIVANTHI EASWARI, CA
[72] CLARIDGE, ROBERT, CA
[72] MOORLAG, CAROLYN PATRICIA, CA
[72] HU, NAN-XING, CA
[73] XEROX CORPORATION, US
[86] (3091723)
[87] (3091723)
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[25] EN
[54] **METHOD FOR SWITCHING STATUS OF SECONDARY CARRIER, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE DE COMMUTATION D'ETAT DE PORTEUSE SECONDAIRE, DISPOSITIF TERMINAL, ET DISPOSITIF RESEAU**
[72] SHI, CONG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-08-25
[86] 2018-03-22 (PCT/CN2018/080065)
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/506 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **CRYSTAL FORM AND SALT FORM OF PYRIDOPYRAZOLE COMPOUND AND PREPARATION METHOD THEREFOR**
[54] **FORME CRISTALLINE ET FORME DE SEL D'UN COMPOSE DE PYRIDOPYRAZOLE ET METHODE DE PREPARATION**
[72] XIONG, JIAN, CN
[72] CHEN, XIAOXIN, CN
[72] WANG, JINGJING, CN
[72] LIU, ZHUOWEI, CN
[72] CHEN, KEVIN X, CN
[72] LIU, CHENGWU, CN
[72] XIE, CHENG, CN
[72] LONG, CHAOFENG, CN
[72] LI, PENG, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] GUANGDONG RAYNOVENT BIOTECH CO., LTD., CN
[85] 2020-08-26
[86] 2019-03-05 (PCT/CN2019/076916)
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[30] CN (201810180641.8) 2018-03-05

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[25] EN
[54] **METHOD OF MANUFACTURING A CAN LID COMPOSED OF A COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN COUVERCLE DE CANETTE COMPOSE D'UN MATERIAU COMPOSITE**
[72] PIECH, GREGOR ANTON, AT
[73] TOP CAP HOLDING GMBH, AT
[85] 2020-09-01
[86] 2019-02-11 (PCT/EP2019/053264)
[87] (WO2019/185225)
[30] EP (18164546.6) 2018-03-28

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[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/31 (2013.01) G06F 21/62 (2013.01)**
[25] EN
[54] **SECURE INFORMATION EXCHANGE IN FEDERATED AUTHENTICATION**
[54] **ECHANGE DE RENSEIGNEMENTS SECURISE AVEC AUTHENTIFICATION REGULEE**
[72] REDDEM, DILEEP, US
[72] FEIJOO, RICARDO FERNANDO, US
[73] CITRIX SYSTEMS, INC., US
[86] (3092975)
[87] (3092975)
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[51] **Int.Cl. E04B 2/74 (2006.01) E04B 1/86 (2006.01)**
[25] EN
[54] **PARTITION WALL STRUCTURE AND METHOD FOR CONSTRUCTING SAME**
[54] **STRUCTURE DE CLOISON DE SEPARATION ET SON PROCEDE DE CONSTRUCTION**
[72] HASEGAWA, TOMOYA, JP
[72] SUGAYA, HIROYUKI, JP
[72] HAYASHI, YUKITERU, JP
[72] IMAIZUMI, NAOKI, JP
[73] YOSHINO GYPSUM CO., LTD., JP
[85] 2020-09-03
[86] 2019-02-27 (PCT/JP2019/007545)
[87] (WO2019/172040)
[30] JP (2018-038125) 2018-03-04

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[51] **Int.Cl. C04B 26/28 (2006.01) C04B 28/02 (2006.01) C04B 28/14 (2006.01) C04B 40/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR A POWDER MORTAR AND A POWDER MORTAR, IN PARTICULAR FOR USE AS A SPACKLING COMPOUND**
[54] **COMPOSITION POUR MORTIER PULVERULENT ET MORTIER PULVERULENT, EN PARTICULIER POUR UTILISATION EN TANT QUE REBOUCHEUR**
[72] DIETZ, STEPHAN, DE
[72] FORTHNER, SEBASTIAN, DE
[72] BERNETH, CLAUS-PETER, DE
[72] BAIER, MANFRED, DE
[72] MEIER, ACHIM, DE
[72] KEPPLER, LINDA, DE
[72] RUCKEL, ANNE, DE
[73] KNAUF GIPS KG, DE
[85] 2020-09-11
[86] 2019-01-17 (PCT/EP2019/000016)
[87] (WO2019/206444)
[30] EP (18000402.0) 2018-04-27

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[13] C
[51] **Int.Cl. B65G 47/24 (2006.01) B65G 54/02 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR POSITIONING OBJECTS**
[54] **MACHINE ET PROCEDE POUR LE POSITIONNEMENT D'OBJETS**
[72] MULET VALLES, TOMAS, ES
[72] MARTINEZ MENDEZ, FERNANDO, ES
[73] PACKFEEDER, S.L., ES
[85] 2020-09-14
[86] 2019-02-04 (PCT/EP2019/052661)
[87] (WO2019/179685)
[30] ES (P 201830276) 2018-03-21

[11] **3,095,052**
[13] C
[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/27 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING A STANNOUS ION SOURCE AND AN ACIDIC AMINO ACID FOR PROMOTING GUM HEALTH**
[54] **COMPOSITIONS DE SOINS BUCCAUX COMPRENANT UNE SOURCE D'ION STANNEUX ET UN ACIDE AMINE ACIDE POUR PROMOUVOIR LA SANTE DES GENCIVES**
[72] STRAND, ROSS, SG
[72] SHI, YUNMING, CN
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-09-24
[86] 2018-03-29 (PCT/CN2018/081054)
[87] (WO2019/183876)

[11] **3,095,732**
[13] C
[51] **Int.Cl. G06T 7/50 (2017.01) A41H 1/02 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **SIZE MEASURING SYSTEM**
[54] **SYSTEME DE MESURE DE TAILLE**
[72] MAEZAWA, YUSAKU, JP
[73] ZOZO, INC., JP
[85] 2020-09-30
[86] 2019-03-29 (PCT/JP2019/014227)
[87] (WO2019/189846)
[30] JP (2018-068694) 2018-03-30

[11] **3,096,339**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **DISINTEGRATING ORAL TABLET PROVIDING A BURST OF FLAVOR**
[54] **COMPRIME ORAL DESAGREGEANT OFFRANT UNE RAFALE DE SAVEUR**
[72] WITTORFF, HELLE, DK
[73] FERTIN PHARMA A/S, DK
[85] 2020-10-06
[86] 2019-05-15 (PCT/DK2019/050154)
[87] (WO2019/219144)
[30] US (15/982,556) 2018-05-17

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[51] **Int.Cl. C12N 15/10 (2006.01) C07K 16/00 (2006.01) C40B 40/02 (2006.01) G01N 33/68 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **MAGNETIC-BASED BIOPANNING METHOD THROUGH ATTACHMENT OF MAGNETIC BEAD TO CELL**
[54] **PROCEDE DE BIOADHERENCE A BASE MAGNETIQUE PAR FIXATION DE BILLE MAGNETIQUE A UNE CELLULE**
[72] NAM, DO-HYUN, KR
[72] MIN, BYEONGKWI, KR
[73] AIMED BIO INC., KR
[85] 2020-10-07
[86] 2019-04-26 (PCT/KR2019/005080)
[87] (WO2019/209073)
[30] KR (10-2018-0049100) 2018-04-27

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[13] C
[51] **Int.Cl. B65B 13/02 (2006.01) B65B 13/16 (2006.01) B65B 29/00 (2006.01)**
[25] EN
[54] **BANDING MACHINE**
[54] **MACHINE DE POSE DE BANDE DE FERMETURE**
[72] JACKSON, JOSEPH C., US
[72] CASTLEBERRY, GARY W., US
[72] STEINHAUS, JORDAN W., US
[72] HUGHES, BRANDON R., US
[72] MAYNARD, JAMES R., US
[72] MAYNARD, JOSEPH M., US
[72] ZELENKA, ZACHARY D., US
[72] HATCHER, CORY N., US
[73] ALLIANCE RUBBER COMPANY, US
[73] JMM-585, LLC, US
[85] 2020-10-07
[86] 2019-04-05 (PCT/US2019/025932)
[87] (WO2019/199589)
[30] US (62/655,480) 2018-04-10

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[13] C
[51] **Int.Cl. G01M 7/08 (2006.01) G01M 7/02 (2006.01)**
[25] EN
[54] **COAL GANGUE INTERFACE RECOGNITION TEST SYSTEM FOR TOP COAL CAVING**
[54] **SYSTEME D'ESSAI DE RECONNAISSANCE D'INTERFACE DE GANGUE DE CHARBON POUR FOUDROYAGE DE CHARBON SUPERIEUR**
[72] ZENG, QINGLIANG, CN
[72] YANG, YANG, CN
[72] WAN, LIRONG, CN
[72] ZHANG, XIN, CN
[72] WANG, CHENGLONG, CN
[72] WANG, LIANG, CN
[72] LIU, ZHIHAI, CN
[72] GAO, KUIDONG, CN
[72] ZHANG, YI, CN
[73] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2020-09-12
[86] 2019-03-11 (PCT/CN2019/077591)
[87] (WO2019/174534)
[30] CN (201810209819.7) 2018-03-14

[11] **3,097,015**
[13] C
[51] **Int.Cl. H01Q 1/12 (2006.01) H01Q 1/18 (2006.01) H01Q 3/08 (2006.01)**
[25] EN
[54] **ANTENNA ALIGNMENT SYSTEM INCLUDING TECHNICIAN TOOL MOUNT AND RELATED METHODS**
[54] **SYSTEME D`ALIGNEMENT D`ANTENNE, Y COMPRIS LE SUPPORT DE L`OUTIL DU TECHNICIEN ET PROCEDES CONNEXES**
[72] WATTWOOD, JAMES A., US
[73] SUNSIGHT HOLDINGS, LLC, US
[86] (3097015)
[87] (3097015)
[22] 2020-10-23
[30] US (16/711,869) 2019-12-12

[11] **3,097,274**
[13] C
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **DEPLOYABLE AERODYNAMIC SIDE PANEL SYSTEM**
[54] **SYSTEME DE PANNEAU LATERAL AERODYNAMIQUE DEPLOYABLE**
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[73] MAGNA INTERNATIONAL INC., CA
[86] (3097274)
[87] (3097274)
[22] 2015-03-20
[62] 2,939,278
[30] US (61/968,482) 2014-03-21

[11] **3,097,290**
[13] C
[51] **Int.Cl. F16K 15/06 (2006.01)**
[25] EN
[54] **CHECK VALVE**
[54] **CLAPET DE NON-RETOUR**
[72] ISHIZAKI, NOBUYUKI, JP
[72] OUCHI, TAKESHI, JP
[72] OTA, KAZUHIRO, JP
[72] KIKUCHI, DAISUKE, JP
[72] KOJIMA, KAZUHIKO, JP
[72] HASEGAWA, FUTOSHI, JP
[72] HARA, EIJI, JP
[72] YOSHIDA, YUSUKE, JP
[73] ISHIZAKI CO., LTD., JP
[85] 2020-10-19
[86] 2020-01-31 (PCT/JP2020/003755)
[87] (WO2021/152842)

[11] **3,097,484**
[13] C
[51] **Int.Cl. A61F 2/958 (2013.01) A61F 2/24 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **REINFORCED INFLATABLE MEDICAL DEVICES**
[54] **DISPOSITIFS MEDICAUX GONFLABLES RENFORCES**
[72] TILSON, ALEXANDER Q., US
[72] DREYER, PAUL J., US
[72] BARHAM, MITCHELL C., US
[72] SCHEEFF, MARK C., US
[72] LOVE, CHARLES S., US
[72] GOMES, GARRETT J., US
[72] MOORE, CAMERON S., US
[72] KURNIAWAN, JONATHAN, US
[73] LOMA VISTA MEDICAL, INC., US
[86] (3097484)
[87] (3097484)
[22] 2013-10-18
[62] 2,885,061
[30] US (61/715,761) 2012-10-18
[30] US (61/844,827) 2013-07-10

[11] **3,097,618**
[13] C
[51] **Int.Cl. E21B 25/00 (2006.01) B23D 49/00 (2006.01) B28D 1/00 (2006.01) E21B 49/04 (2006.01) E21B 49/06 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING A CORE FROM A PERCUSSION SIDE WALL CORE BULLET FOR A DIGITAL TOMOGRAPHIC DESCRIPTION AND DIRECT NUMERICAL SIMULATIONS**
[54] **PROCEDE D'EXTRACTION D'UN NOYAU D'UNE BALLE DE NOYAU DE PAROI LATERALE DE PERCUSSION POUR UNE DESCRIPTION TOMOGRAPHIQUE NUMERIQUE ET DES SIMULATIONS NUMERIQUES DIRECTES**
[72] LAKSHTANOV, DMITRY, GB
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[85] 2020-10-19
[86] 2019-05-01 (PCT/EP2019/061170)
[87] (WO2019/211344)
[30] GB (1807260.3) 2018-05-02

[11] **3,097,664**
[13] C
[51] **Int.Cl. E21B 47/11 (2012.01) E21B 41/00 (2006.01) G01N 30/02 (2006.01)**
[25] EN
[54] **RADIOCHEMICAL AND CHROMATOGRAPHIC ANALYSIS SYSTEM OF TRACERS, IN SITU AND IN REAL TIME**
[54] **SYSTEME D'ANALYSE RADIOCHIMIQUE ET CHROMATOGRAPHIQUE DE TRACEURS, SUR PLACE ET EN TEMPS REEL**
[72] RAMIREZ SABAG, JETZABETH, MX
[72] TREJO REYES, JOSE FRANCISCO, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
[86] (3097664)
[87] (3097664)
[22] 2020-10-30
[30] MX (MX/A/2019/013353) 2019-11-08

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[13] C
[51] **Int.Cl. A23L 5/10 (2016.01) A47J 27/04 (2006.01) A47J 27/16 (2006.01) A47J 27/18 (2006.01) A47J 27/00 (2006.01) G07F 17/00 (2006.01)**
[25] EN
[54] **COOKING PROCESS**
[54] **PROCEDE DE CUISSON**
[72] RANA, GIAN LUCA, IT
[73] PASTIFICIO RANA S.P.A., IT
[85] 2020-10-19
[86] 2019-04-24 (PCT/IB2019/053388)
[87] (WO2019/207508)
[30] IT (102018000004840) 2018-04-24

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[13] C
[51] **Int.Cl. A63G 21/18 (2006.01) B05B 15/60 (2018.01) B05B 15/68 (2018.01)**
[25] EN
[54] **SPRAY NOZZLE FOR WATER SLIDE FEATURE**
[54] **BUSE DE PULVERISATION POUR ELEMENT D'AQUA-TOBOGGAN**
[72] HUNTER, RICHARD DOUGLAS, CA
[72] SMEGAL, RAYMOND THOMAS, CA
[73] PROSLIDE TECHNOLOGY INC., CA
[85] 2020-10-20
[86] 2019-05-17 (PCT/CA2019/050678)
[87] (WO2019/218083)
[30] US (62/673,553) 2018-05-18

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[11] **3,098,332**
[13] C
[51] **Int.Cl. H02J 9/00 (2006.01) H02J 15/00 (2006.01) H02P 29/00 (2016.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RIDING THROUGH POWER DISRUPTIONS OF A DRIVE CIRCUIT**
[54] **METHODE ET APPAREIL DE FONCTIONNEMENT ANTI-PANNE DE COURANT D'UN CIRCUIT D'ENTRAINEMENT**
[72] AREFEEN, MOHAMMED S., US
[73] RAPTOR LIFT SOLUTIONS, LLC, US
[86] (3098332)
[87] (3098332)
[22] 2020-11-06
[30] US (17/090,100) 2020-11-05

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[13] C
[51] **Int.Cl. B03B 5/34 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WASHING AND GRADING SAND**
[54] **METHODE ET APPAREIL POUR NETTOYER ET CLASSER LE SABLE**
[72] CONVERY, ANTHONY, GB
[73] CDE GLOBAL LIMITED, GB
[86] (3098660)
[87] (3098660)
[22] 2020-11-06
[30] GB (GB1916814.5) 2019-11-19

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[13] C
[51] **Int.Cl. G01J 5/48 (2006.01) B60W 10/184 (2012.01) B60W 30/09 (2012.01) B60W 50/14 (2020.01) G06V 20/58 (2022.01) B60W 10/20 (2006.01) H04N 23/23 (2023.01) G08G 1/16 (2006.01)**
[25] EN
[54] **PASSIVE INFRA-RED PEDESTRIAN DETECTION AND AVOIDANCE SYSTEM**
[54] **SYSTEME PASSIF DE DETECTION ET D'EVITEMENT DE PIETON INFRAROUGE PASSIF**
[72] CHASE, ARNOLD, US
[73] CHASE, ARNOLD, US
[85] 2020-11-02
[86] 2019-04-16 (PCT/US2019/027594)
[87] (WO2019/217038)
[30] US (62/670,209) 2018-05-11

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[13] C
[51] **Int.Cl. C07C 2/62 (2006.01) B01J 27/02 (2006.01) C07C 7/00 (2006.01)**
[25] EN
[54] **REVERSE ACID AND HYDROCARBON CASCADING IN ALKYLATION**
[54] **CASCADE D'HYDROCARBURE ET D'ACIDE INVERSE EN ALKYLATION**
[72] LIU, ZAN, US
[72] LOEZOS, PETER, US
[72] MEDINA, JACKELINE, US
[72] LEMOINE, ROMAIN, US
[73] LUMMUS TECHNOLOGY LLC, US
[85] 2020-10-30
[86] 2019-04-30 (PCT/US2019/029887)
[87] (WO2019/213063)
[30] US (62/667,023) 2018-05-04

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[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 53/60 (2019.01) H01M 10/44 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **BATTERY CHARGING CONTROL METHODS, ELECTRIC VEHICLE CHARGING METHODS, BATTERY CHARGING APPARATUSES AND RECHARGEABLE BATTERY SYSTEMS**
[54] **PROCEDES DE CONTROLE DE CHARGE DE BATTERIE, PROCEDES DE CHARGE DE VEHICULE ELECTRIQUE, APPAREILS DE CHARGE DE BATTERIE ET SYSTEMES DE BATTERIE RECHARGEABLE**
[72] TUFFNER, FRANCIS K., US
[72] KINTNER-MEYER, MICHAEL C. W., US
[72] HAMMERSTROM, DONALD J., US
[72] PRATT, RICHARD M., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[86] (3099183)
[87] (3099183)
[22] 2010-05-11
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[30] US (12/467,192) 2009-05-15

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[51] **Int.Cl. F23B 40/08 (2006.01) F23K 3/16 (2006.01) F23Q 7/02 (2006.01)**
[25] EN
[54] **INDUCTION BURNER IGNITION SYSTEM**
[54] **SYSTEME D'ALLUMAGE DE BRULEUR A INDUCTION**
[72] SIMON, PAUL, J., US
[72] GIEBEL, MICHAEL, R., US
[73] DANSONS, INC., US
[85] 2020-11-06
[86] 2019-05-06 (PCT/US2019/030844)
[87] (WO2019/217274)
[30] US (62/667,869) 2018-05-07
[30] US (16/403,788) 2019-05-06

[11] **3,100,496**
[13] C
[51] **Int.Cl. A43B 3/24 (2006.01) A43B 3/06 (2006.01) A43B 3/12 (2006.01)**
[25] EN
[54] **FLIP-FLOP CAPABLE OF CHANGING TO A SANDAL HAVING AN EMBEDDED REAR STRAP MOVABLE BETWEEN TWO POSITIONS**
[54] **GOUGOUNE POUVANT SE TRANSFORMER EN SANDALE AYANT UNE COURROIE ARRIERE ENCASTREE POUVANT SE DEPLACER ENTRE DEUX POSITIONS**
[72] CHEHEBAR, JOSEPH, US
[73] CHEHEBAR, JOSEPH, US
[86] (3100496)
[87] (3100496)
[22] 2020-11-24

[11] **3,100,896**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-ABETA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-ABETA ET LEURS UTILISATIONS**
[72] SHIH, CHUAN, US
[72] SHIE, FENG-SHIUN, TW
[72] HSU, TSU-AN, TW
[72] SHEN, SANTAI, TW
[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2020-11-18
[86] 2019-05-29 (PCT/US2019/034259)
[87] (WO2019/231957)
[30] US (62/678,080) 2018-05-30

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[13] C
[51] **Int.Cl. B60W 30/00 (2006.01) B60W 30/14 (2006.01) B60W 40/02 (2006.01) B60W 40/10 (2012.01)**
[25] EN
[54] **SELF LEARNING VEHICLE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE VEHICULE A AUTO-APPRENTISSAGE**
[72] YAZHEMSKY, DENNIS, CA
[72] GREEN, ALON, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
[85] 2020-11-24
[86] 2019-06-03 (PCT/IB2019/054596)
[87] (WO2019/229729)
[30] US (62/679,475) 2018-06-01

[11] **3,102,003**
[13] C
[51] **Int.Cl. H04W 16/04 (2009.01) H04W 28/24 (2009.01)**
[25] EN
[54] **OPTIMIZING LICENSED AND UNLICENSED SPECTRUM ALLOCATION**
[54] **OPTIMISATION DE L`ATTRIBUTION DES SPECTRES AUTORISEE ET NON AUTORISEE**
[72] JONES, DAVID, US
[73] T-MOBILE USA, INC., US
[86] (3102003)
[87] (3102003)
[22] 2020-12-08
[30] US (62/948713) 2019-12-16
[30] US (17/017530) 2020-09-10

[11] **3,102,014**
[13] C
[51] **Int.Cl. C25B 9/65 (2021.01) H01M 8/0245 (2016.01)**
[25] FR
[54] **METHOD FOR IMPROVED IMPLEMENTATION OF A COMPONENT CONSTITUTING AN HTE ELECTROLYZER OR SOFC FUEL CELL INTERCONNECTOR**
[54] **PROCEDE DE REALISATION AMELIORE D'UN COMPOSANT CONSTITUANT UN INTERCONNECTEUR D'ELECTROLYSEUR EHT OU DE PILE A COMBUSTIBLE SOFC**
[72] ORESIC, BRUNO, FR
[72] DI IORIO, STEPHANE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[86] (3102014)
[87] (3102014)
[22] 2020-12-09
[30] FR (1914063) 2019-12-10

[11] **3,102,343**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/496 (2006.01) A61P 25/00 (2006.01) C07D 471/14 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **TETRAHYDROBENZOFURO[2,3-C]PYRIDINE AND BETA-CARBOLINE COMPOUNDS FOR THE TREATMENT, ALLEVIATION OR PREVENTION OF DISORDERS ASSOCIATED WITH TAU AGGREGATES**
[54] **COMPOSES DE TETRAHYDROBENZOFURO[2,3-C]PYRIDINE ET DE BETA-CARBOLINE POUR LE TRAITEMENT, LE SOULAGEMENT OU LA PREVENTION DE TROUBLES ASSOCIES A DES AGREGATS DE PROTEINE TAU**
[72] NAMPALLY, SREENIVASACHARY, CH
[72] GABELLIERI, EMANUELE, CH
[72] MOLETTE, JEROME, CH
[73] AC IMMUNE SA, CH
[85] 2020-12-02
[86] 2019-05-30 (PCT/EP2019/064144)
[87] (WO2019/233883)
[30] EP (18175845.9) 2018-06-04

[11] **3,102,689**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/44 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01)**
[25] EN
[54] **METHOD AND FORMULATION FOR IMPROVING ROFLUMILAST SKIN PENETRATION LAG TIME**
[54] **METHODE ET FORMULATION POUR AMELIORER LE TEMPS DE LATENCE DE PENETRATION DE LA PEAU DU ROFLUMILAST**
[72] OSBORNE, DAVID W., US
[73] ARCUTIS BIOTHERAPEUTICS, INC., US
[85] 2020-12-02
[86] 2019-05-30 (PCT/US2019/034640)
[87] (WO2019/236374)
[30] US (62/680,203) 2018-06-04
[30] US (62/742,644) 2018-10-08

[11] **3,102,933**
[13] C
[51] **Int.Cl. H04L 9/30 (2006.01)**
[25] EN
[54] **ENCRYPTION DEVICE, A COMMUNICATION SYSTEM AND METHOD OF EXCHANGING ENCRYPTED DATA IN A COMMUNICATION NETWORK**
[54] **DISPOSITIF DE CHIFFREMENT, SYSTEME DE COMMUNICATION ET PROCEDE D'ECHANGE DE DONNEES CHIFFREES DANS UN RESEAU DE COMMUNICATION**
[72] RADKE, STEPHAN, DE
[73] LINXENS HOLDING, FR
[85] 2020-12-07
[86] 2018-06-08 (PCT/IB2018/001093)
[87] (WO2019/234470)

[11] **3,103,010**
[13] C
[51] **Int.Cl. B62D 55/07 (2006.01) B62J 11/00 (2020.01)**
[25] EN
[54] **SYSTEM FOR ATTACHING ACCESSORIES TO A SNOWMOBILE**
[54] **SYSTEME POUR ATTACHER DES ACCESSOIRES A UNE MOTONEIGE**
[72] HEDLUND, MICHAEL A., US
[72] ROSEMORE, EVAN M., US
[73] POLARIS INDUSTRIES INC., US
[86] (3103010)
[87] (3103010)
[22] 2020-12-16
[30] US (16/723,834) 2019-12-20

[11] **3,103,180**
[13] C
[51] **Int.Cl. B01J 2/16 (2006.01) B05B 7/06 (2006.01) B05B 7/10 (2006.01) C05C 9/00 (2006.01)**
[25] EN
[54] **SPRAY NOZZLE FOR PRODUCING A UREA-SULFUR FERTILIZER**
[54] **BUSE DE PULVERISATION POUR LA PRODUCTION D'UN ENGRAIS A BASE D'UREE-SOUFRE**
[72] POTTHOFF, MATTHIAS, DE
[72] FRANZRAHE, HARALD, DE
[72] KRAWCZYK, THOMAS, DE
[72] VANMARCKE, LUC ALBERT, BE
[73] THYSSENKRUPP FERTILIZER TECHNOLOGY GMBH, DE
[73] THYSSENKRUPP AG, DE
[85] 2020-12-09
[86] 2019-06-07 (PCT/EP2019/064991)
[87] (WO2019/238570)
[30] EP (18177289.8) 2018-06-12

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[25] EN
[54] **METHODS OF REFINING A GRAIN OIL COMPOSITION FEEDSTOCK, AND RELATED SYSTEMS, COMPOSITIONS AND USES**
[54] **PROCEDES DE RAFFINAGE D'UNE MATIERE PREMIERE DE COMPOSITION D'HUILE D'OLEAGINEUX, ET SYSTEMES, COMPOSITIONS ET UTILISATIONS ASSOCIES**
[72] URBAN, SHANNON S., US
[72] SARKS, CORY J., US
[72] FLITTIE, BRETT A., US
[72] MILBRANDT, JACOB A., US
[72] BLY, STEVE T., US
[72] MCCURDY, ALEX T., US
[73] POET RESEARCH, INC., US
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[54] **VACUUM TUBE AMPLIFICATION SYSTEM CAPABLE OF REDUCING RESIDUAL NOISE AND A GROUNDING METHOD THEREOF**
[54] **SYSTEME D`AMPLIFICATION DE TUBE D`ASPIRATION CAPABLE DE REDUIRE LE BRUIT RESIDUEL ET METHODE DE MISE A LA TERRE CONNEXE**
[72] CHEN, HSI-HSIEN, TW
[73] ECHOWELL ELECTRONIC CO., LTD., CN
[86] (3103430)
[87] (3103430)
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[54] **SURGICAL GAS DELIVERY SYSTEM WITH REMOTE GASEOUS SEALING MODULE FOR MAINTAINING STABLE PRESSURE IN A SURGICAL CAVITY**
[54] **SYSTEME DE DISTRIBUTION DE GAZ CHIRURGICAL AVEC MODULE D'ETANCHEITE GAZEUX A DISTANCE POUR MAINTENIR UNE PRESSION STABLE DANS UNE CAVITE CHIRURGICALE**
[72] AUGELLI, MICHAEL J., US
[72] SILVER, MIKIYA, US
[72] KANE, MICHAEL J., US
[73] CONMED CORPORATION, US
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[54] **STOCK RAIL**
[54] **CONTRE-AIGUILLE**
[72] WIPFLER, ERICH, AT
[73] VOESTALPINE TURNOUT TECHNOLOGY ZELTWEG GMBH, AT
[73] VOESTALPINE RAILWAY SYSTEMS GMBH, AT
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[54] **SYSTEMS AND METHODS FOR IDENTIFYING AND LINKING EVENTS IN STRUCTURED PROCEEDINGS**
[54] **SYSTEMES ET PROCEDES POUR IDENTIFIER ET RELIER DES EVENEMENTS DANS DES PROCEDURES STRUCTUREES**
[72] VACEK, THOMAS, US
[72] MOLINA-SALGADO, HUGO, US
[72] TEO, DON, CA
[72] SCHILDER, FRANK, US
[73] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
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[25] EN
[54] **ICE BLASTING MACHINE WITH DUAL-MODE OPERATION FOR WATER ICE AND DRY ICE**
[54] **MACHINE DE PROJECTION DE GLACE A FONCTIONNEMENT EN MODE DOUBLE POUR GLACE HYDRIQUE ET GLACE CARBONIQUE**
[72] COULSON, FOSTER, CA
[72] GOTTFRIED, KRISTJAN, CA
[73] COULSON ICE BLAST LTD., CA
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[54] **AUTOMATIC COFFEE MAKER AND PROCESS FOR PREPARING A COLD BREWED BEVERAGE**
[54] **CAFETIERE AUTOMATIQUE ET PROCEDE DE PREPARATION D'UNE BOISSON INFUSEE A FROID**
[72] ANTHONY, JOSHUA D., US
[72] BROWN, ETHAN T., US
[72] HAMMOND, SUZETTE, US
[72] WOODROW, CHAD, US
[73] SHARKNINJA OPERATING LLC, US
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[54] **INJECTOR WITH SAFETY CAP**
[54] **INJECTEUR COMPRENANT UN BOUCHON DE SECURITE**
[72] TRAVANTY, MICHAEL, US
[72] MATTIX, STEVEN W., US
[73] ANTARES PHARMA, INC., US
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[54] **GARMENT FOR REDUCING HOT FLUSHES OR RELIEVING ASSOCIATED SYMPTOMS**
[54] **VETEMENT PERMETTANT DE REDUIRE LES BOUFFEES DE CHALEUR OU DE SOULAGER DES SYMPTOMES ASSOCIES**
[72] VITARANA, RANIL, LK
[72] DUSHYANTHA, MAPITIYAGE DON JANITH, LK
[73] MAS INNOVATION (PRIVATE) LIMITED, LK
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[54] **MEASURING ARM WITH MULTIFUNCTIONAL END**
[54] **BRAS DE MESURE AVEC EXTREMITE MULTIFONCTION**
[72] DESFORGES, LAURENT, FR
[72] DUPORTAL, THIBAULT, FR
[72] ROUX, DENIS, FR
[72] FAMECHON, JEAN-LUC, FR
[72] INGLIS, WES, US
[73] HEXAGON METROLOGY SAS, FR
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[54] **POWER SYSTEM RADIATORS AND POWER SYSTEMS HAVING RADIATORS**
[54] **RADIATEURS DE SYSTEME D'ALIMENTATION ET SYSTEMES D'ALIMENTATION AYANT DES RADIATEURS**
[72] JOCHMAN, NATHAN J., US
[73] IILINOIS TOOL WORKS INC., US
[85] 2021-01-06
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[54] **WEIGHING APPARATUS WITH ALIGNMENT ACCELEROMETER COORDINATE SYSTEM AND LOAD CELL COORDINATE SYSTEM AND RELATED METHOD**
[54] **APPAREIL DE PESAGE AVEC SYSTEME DE COORDONNEES D'ACCELEROMETRE D'ALIGNEMENT ET SYSTEME DE COORDONNEES DE CELLULE DE CHARGE, ET METHODE CONNEXE**
[72] BLANKLEY, RANDY L., JR., US
[72] GUZMAN, JUAN C., US
[72] NGUYEN, HUNG B., US
[72] REDMAN, RANDALL L., US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3105943)
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[54] **METHODS AND COMPOSITIONS FOR RAPID MULTIPLEX AMPLIFICATION OF STR LOCI**
[54] **PROCEDES ET COMPOSITIONS DESTINES A L'AMPLIFICATION MULTIPLEX RAPIDE DE LOCI DE SEQUENCES COURTES REPETEES EN TANDEM**
[72] SCHUMM, JAMES W., US
[72] SELDEN, RICHARD F., US
[72] TAN, EUGENE, US
[73] ANDE CORPORATION, US
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[87] (3106132)
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[54] **CONTAINER WITH LINER**
[54] **RECIPIENT COMPRENANT UN REVETEMENT INTERNE**
[72] TYE, PAUL, GB
[72] HITHERSAY, ELLIOT, GB
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2021-01-11
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[54] **SYSTEM FOR CONTINUOUSLY LOADING UTILITY VEHICLES**
[54] **SYSTEME DE CHARGE CONTINUEL DE VEHICULES UTILITAIRES**
[72] NARO, DANIELE, DE
[73] FLSMIDTH A/S, DK
[85] 2021-01-12
[86] 2019-07-25 (PCT/EP2019/070091)
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[25] EN
[54] **TECHNIQUES FOR DETERMINING AN UPPER BOUND ON VISUAL QUALITY OVER A COMPLETED STREAMING SESSION**
[54] **TECHNIQUES DE DETERMINATION D'UNE LIMITE SUPERIEURE SUR UNE QUALITE VISUELLE SUR UNE SESSION DE DIFFUSION EN CONTINU ACHEVEE**
[72] LI, ZHI, US
[72] HUANG, TE-YUAN, US
[73] NETFLIX, INC., US
[85] 2021-01-15
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[25] EN
[54] **FIXTURE ACCESSORY APPARATUS AND METHOD OF USING SAME**
[54] **ACCESSOIRE D'APPAREIL D'ECLAIRAGE ET METHODE D'UTILISATION CONNEXE**
[72] BLUMER, PAUL ARLO, US
[73] BLUMARE, L.L.C., US
[86] (3106728)
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[25] EN
[54] **VOID VOLUME MEASUREMENT FOR A COMPOSITE PIPE**
[54] **MESURE DE VOLUME DE VIDE POUR UN TUBE COMPOSITE**
[72] VERNON-HARCOURT, EDWARD WILLIAM, GB
[72] MAYNARD, DANIEL MARK, GB
[73] MAGMA GLOBAL LIMITED, GB
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[54] **COMPRESSOR AND REFRIGERATION DEVICE**
[54] **COMPRESSEUR ET REFRIGERATEUR**
[72] GAO, BIN, CN
[73] GUANGDONG MEIZHI COMPRESSOR CO., LTD., CN
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[54] **CONTACT ACTIVATED LANCET DEVICE**
[54] **DISPOSITIF LANCETTE ACTIONNE PAR CONTACT**
[72] KARBOWNICZEK, JACEK GRZEGORZ, PL
[72] RUTYNOWSKI, WLODZINIERZ, PL
[72] WILKINSON, BRADLEY, US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **VACUUM INSULATED ARCHITECTUAL COVERING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COUVERTURE ARCHITECTURE ISOLEE SOUS VIDE**
[72] KOZISEK, NEIL A., US
[72] JUENGST, SCOTT, US
[73] OVERHEAD DOOR CORPORATION, US
[86] (3107703)
[87] (3107703)
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[54] **SMOKING UTENSILS CONTAINING PLANT EXTRACTS**
[54] **USTENSILES CONTENANT DES EXTRAITS DE PLANTES A FUMER**
[72] HOLZER, ASHER, IL
[73] STICKIT LTD, IL
[85] 2021-01-26
[86] 2019-07-25 (PCT/IL2019/050846)
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[54] **NEEDLE ASSEMBLIES CONTAINING ORIENTED ACUPUNCTURE NEEDLES AND METHODS FOR PRODUCTION THEREOF**
[54] **ENSEMBLES AIGUILLES CONTENANT DES AIGUILLES D'ACUPUNCTURE ORIENTEES ET LEURS PROCEDES DE PRODUCTION**
[72] CHO, HYUN, US
[72] WANG, YI, US
[73] ABBOTT DIABETES CARE INC., US
[85] 2021-01-26
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[54] **PROCEDE ET TERMINAL DE REDISTRIBUTION**
[72] BAO, WEI, CN
[72] YANG, XIAODONG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2021-01-29
[86] 2019-07-19 (PCT/CN2019/096704)
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[54] **FABRIC TREATMENT COMPOSITIONS COMPRISING BENEFIT AGENT CAPSULES**
[54] **COMPOSITIONS DE TRAITEMENT DE TISSU COMPRENANT DES CAPSULES D'AGENT BENEFIQUE**
[72] SMETS, JOHAN, BE
[72] JOOS, CONNY ERNA ALICE, BE
[72] VANSTEENWINCKEL, PASCALE CLAIRE ANNICK, BE
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **METHOD, MEDIUM, TERMINAL AND DEVICE FOR EVALUATING LAYERED WATER INJECTION EFFICIENCY OF OIL RESERVOIR**
[54] **METHODE, MOYEN, TERMINAL ET DISPOSITIF POUR EVALUER L`EFFICACITE D`INJECTION D`EAU EN COUCHES DANS UN RESERVOIR D'HUILE**
[72] ZHAO, HUI, CN
[72] ZHOU, YUHUI, CN
[72] SHENG, GUANGLONG, CN
[72] XIE, SHUJIAN, CN
[72] HU, QINGXIONG, CN
[72] WANG, HUI, CN
[73] YANGTZE UNIVERSITY, CN
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[25] EN
[54] **HETEROAROMATIC COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSES HETEROAROMATIQUES, COMPOSITIONS PHARMACEUTIQUES ET UTILISATIONSCONNEXES**
[72] ZHANG, JIANCUN, CN
[72] ZOU, QINGAN, CN
[72] CHEN, YANWEI, CN
[72] KANG, NING, CN
[72] ZHANG, LIJUN, CN
[72] HU, YANG, CN
[72] ZHANG, JUFU, CN
[73] GUANGZHOU HENOVCOM BIOSCIENCE CO., LTD., CN
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[54] **SOIL AMENDMENT AND FERTILIZER COMPOSITION**
[54] **MODIFICATION DE SOL ET COMPOSITION D`ENGRAIS**
[72] CUSACK, DEREK, US
[72] APPELBAUM, ERIC, US
[73] DICALITE MANAGEMENT GROUP, INC., US
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[25] EN
[54] **METHOD FOR PERFORMING RELAY FORWARDING ON INTEGRATED ACCESS AND BACKHAUL LINKS, INFORMATION ACQUISITION METHOD, NODE, AND STORAGE MEDIUM**
[54] **PROCEDE POUR EFFECTUER UN REACHEMINEMENT DE RELAIS SUR DES LIAISONS INTEGREES D'ACCES ET DE RACCORDEMENT, PROCEDE D'ACQUISITION D'INFORMATIONS, NOEUD, ET SUPPORT DE STOCKAGE**
[72] HUANG, YING, CN
[72] CHEN, LIN, CN
[73] ZTE CORPORATION, CN
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[54] **COMPACT SPECTROMETERS AND INSTRUMENTS INCLUDING THEM**
[54] **SPECTROMETRES COMPACTS ET INSTRUMENTS LES COMPRENANT**
[72] FARSAD, MAHSA, US
[72] AIKENS, DAVID, US
[73] PERKINELMER HEALTH SCIENCES, INC., US
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[54] **ARRANGEMENT DE PROMOTION DE VENUE**
[72] ABDELFATTAH, TARIK, US
[72] GONZALEZ, JOSE RAFAEL, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **METHOD FOR EXTRACTING HEAVY METALS FROM HARD ROCK AND ALLUVIAL ORE**
[54] **PROCEDE POUR EXTRAIRE DES METAUX LOURDS A PARTIR DE ROCHE DURE ET DE MINERAIS ALLUVIONNAIRES**
[72] BROSSEUK, RAYMOND, CA
[73] BROSSEUK, RAYMOND, CA
[86] (3109692)
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[22] 2013-10-25
[62] 2,889,574
[30] US (13/662,383) 2012-10-26

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[13] C
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **OPTIMIZATION DEVICE AND METHOD OF CONTROLLING OPTIMIZATION DEVICE**
[54] **DISPOSITIF D'OPTIMISATION ET METHODE DE CONTROLE DUDIT DISPOSITIF**
[72] MISHINA, TAKESHI, JP
[72] MATSUURA, SATOSHI, JP
[73] FUJITSU LIMITED, JP
[85] 2021-02-16
[86] 2018-09-14 (PCT/JP2018/034234)
[87] (WO2020/054062)

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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 17/046 (2006.01) E21B 17/10 (2006.01) E21B 23/00 (2006.01) F04D 13/02 (2006.01) F04D 13/10 (2006.01) F04D 29/04 (2006.01)**
[25] EN
[54] **ONE-WAY CLUTCH DRIVE SHAFT COUPLING IN SUBMERSIBLE WELL PUMP ASSEMBLY**
[54] **ACCOUPLEMENT D'ARBRE D'ENTRAINEMENT A EMBRAYAGE UNIDIRECTIONNEL DANS UN ENSEMBLE POMPE DE PUITS IMMERGEE**
[72] DAVIS, NIKOLAS, US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2021-02-17
[86] 2019-06-18 (PCT/US2019/037602)
[87] (WO2020/040849)
[30] US (62/721,349) 2018-08-22
[30] US (16/443,046) 2019-06-17

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[25] EN
[54] **AIR PURIFYING DEVICE, ARRANGEMENT AND METHOD FOR SEPARATING MATERIALS FROM A GAS FLOW**
[54] **DISPOSITIF DE PURIFICATION D`AIR, DISPOSITION ET METHODE DE SEPARATION DE MATERIAUX DEPUIS UN ECOULEMENT GAZEUX**
[72] TULKKI, JUHANI, FI
[73] GENANO OY, FI
[86] (3109962)
[87] (3109962)
[22] 2021-02-24
[30] FI (20205494) 2020-05-15

[11] **3,110,047**
[13] C
[51] **Int.Cl. G01S 19/22 (2010.01)**
[25] EN
[54] **GNSS CORRELATION DISTORTION DETECTION AND MITIGATION**
[54] **DETECTION ET ATTENUATION DE LA DISTORSION DE CORRELATION GNSS**
[72] BROUMANDAN, ALI, CA
[73] NOVATEL INC., CA
[86] (3110047)
[87] (3110047)
[22] 2021-02-23
[30] US (16/799,128) 2020-02-24

[11] **3,110,254**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **AFUCOSYLATED ANTIBODIES AND MANUFACTURE THEREOF**
[54] **ANTICORPS AFUCOSYLES ET FABRICATION CORRESPONDANTE**
[72] PENG, WEN-JIUN, CN
[72] CHEN, HUI-JUNG, CN
[73] UNITED BIOPHARMA INC, CN
[85] 2021-02-22
[86] 2018-08-29 (PCT/CN2018/102995)
[87] (WO2020/042015)

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[13] C
[51] **Int.Cl. F21V 21/30 (2006.01) F21V 29/75 (2015.01) F21S 2/00 (2016.01)**
[25] EN
[54] **LUMINAIRE FOR WORK EVENTS, FILM EVENTS OR SPORTS EVENTS**
[54] **LUMINAIRE POUR MANIFESTATIONS PROFESSIONNELLES, CINEMATOGRAPHIQUES OU SPORTIVES**
[72] NOLLE, JURGEN, DE
[73] NOLLE, JURGEN, DE
[85] 2021-02-16
[86] 2019-08-15 (PCT/DE2019/200099)
[87] (WO2020/035118)
[30] DE (DE 10 2018 006 506.6) 2018-08-17

[11] **3,111,072**
[13] C
[51] **Int.Cl. A24F 40/465 (2020.01) H05B 6/10 (2006.01)**
[25] EN
[54] **A RESONANT CIRCUIT FOR AN AEROSOL GENERATING SYSTEM**
[54] **CIRCUIT RESONNANT POUR UN SYSTEME DE GENERATION D'AEROSOL**
[72] MILLIGAN, TERRENCE, US
[72] BLANDINO, THOMAS PAUL, US
[72] KORUS, ANTON, GB
[72] MOLONEY, PATRICK, GB
[72] ABI AOUN, WALID, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2021-03-01
[86] 2019-08-30 (PCT/US2019/049076)
[87] (WO2020/047417)
[30] GB (1814202.6) 2018-08-31

[11] **3,111,082**
[13] C
[51] **Int.Cl. A24B 15/30 (2006.01) A24B 15/10 (2006.01) A24B 15/18 (2006.01)**
[25] EN
[54] **LIPOPHILIC ACTIVE AGENT INFUSED TOBACCO LEAVES AND/OR TOBACCO MATERIALS AND METHODS OF USE THEREOF**
[54] **FEUILLES DE TABAC ET/OU MATIERES DE TABAC IMPREGNEES D'AGENTS ACTIFS LIPOPHILES ET LEURS PROCEDES D'UTILISATION**
[72] DOCHERTY, JOHN, CA
[72] BUNKA, CHRISTOPHER ANDREW, CA
[73] POVIVA CORP., US
[85] 2021-03-01
[86] 2019-09-13 (PCT/US2019/051135)
[87] (WO2020/056344)
[30] US (62/730,645) 2018-09-13

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[51] **Int.Cl. C07D 237/16 (2006.01) A61K 31/53 (2006.01) A61P 5/14 (2006.01) C07D 237/14 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **METHOD OF SYNTHESIZING THYROID HORMONE ANALOGS AND POLYMORPHS THEREOF**
[54] **PROCEDE DE SYNTHESE D'ANALOGUES DE L'HORMONE THYROIDIENNE ET DE SES POLYMORPHES**
[72] HESTER, D. KEITH, US
[72] DUGUID, ROBERT J., US
[72] KELLY, MARTHA, US
[72] CHASNOFF, ANNA, US
[72] DONG, GANG, US
[72] CROW, EDWIN L., US
[72] TAUB, REBECCA, US
[72] REYNOLDS, CHARLES H., US
[72] CHOI, DUK SOON, US
[72] SHU, LIANHE, US
[72] WANG, PING, US
[73] F. HOFFMANN-LA ROCHE LTD., CH
[73] MADRIGAL PHARMACEUTICALS, INC., US
[86] (3111317)
[87] (3111317)
[22] 2013-09-17
[62] 2,884,481
[30] US (61/702,137) 2012-09-17
[30] US (61/790,432) 2013-03-15

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[13] C
[51] **Int.Cl. B65D 5/46 (2006.01) B65D 5/42 (2006.01) B65D 5/54 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **CARTON WITH HANDLE**
[54] **CARTON A POIGNEE**
[72] THOMPSON, JON, GB
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2021-03-03
[86] 2019-10-08 (PCT/US2019/055132)
[87] (WO2020/076781)
[30] US (62/743,221) 2018-10-09

[11] **3,111,807**
[13] C
[51] **Int.Cl. E02F 3/85 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY CONTROLLING WORK MACHINE INCLUDING WORK IMPLEMENT**
[54] **SYSTEME ET PROCEDE DE COMMANDE AUTOMATIQUE DE MACHINE DE TRAVAIL COMPRENANT UN ENGIN DE CHANTIER**
[72] TAKAOKA, YUKIHISA, JP
[73] KOMATSU LTD., JP
[85] 2021-03-04
[86] 2019-09-17 (PCT/JP2019/036376)
[87] (WO2020/105261)
[30] JP (2018-216703) 2018-11-19

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[13] C
[51] **Int.Cl. A47D 13/10 (2006.01) A47D 1/08 (2006.01)**
[25] EN
[54] **DRIVEN INFANT SEAT**
[54] **SIEGE POUR BEBE ENTRAINE**
[72] HOPKE, FREDERICK KARL, US
[72] THORNE, HENRY F., US
[72] DALEY, ROBERT D., US
[72] WALKER, JOHN J., US
[72] PAVKOV, AARON S., US
[72] JOSEPH, SURAJ, US
[73] THORLEY INDUSTRIES LLC, US
[86] (3112059)
[87] (3112059)
[22] 2014-03-14
[62] 2,901,837
[30] US (61/788,214) 2013-03-15
[30] US (61/878,256) 2013-09-16

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[13] C
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING CYBERSECURITY RATING AND RISK SCORING**
[54] **SYSTEME ET METHODE DE DETERMINATION D`UNE COTE DE CYBERSECURITE ET D`UNE COTE DE RISQUE**
[72] OLALERE, AYOBAMI, CA
[73] CYBERLAB INC., US
[86] (3112143)
[87] (3112143)
[22] 2021-03-18
[30] US (16822691) 2020-03-18

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[13] C
[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/30 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **MACHINE LEARNING-BASED ANALYSIS OF SEISMIC ATTRIBUTES**
[54] **ANALYSE D'ATTRIBUTS SISMIQUES BASEE SUR L'APPRENTISSAGE AUTOMATIQUE**
[72] ROY, ATISH, US
[72] KUMAR, DHANANJAY, US
[72] KAZLAUSKAS, ERIC, US
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2021-03-08
[86] 2019-09-12 (PCT/US2019/050720)
[87] (WO2020/056073)
[30] US (62/731,411) 2018-09-14

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[51] **Int.Cl. A61M 5/142 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01) A61M 5/172 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **ACTIVITY MODE FOR ARTIFICIAL PANCREAS SYSTEM**
[54] **MODE D'ACTIVITE POUR SYSTEME DE PANCREAS ARTIFICIEL**
[72] O'CONNOR, JASON, US
[72] LEE, JOON BOK, US
[72] LY, TRANG, US
[72] VIENNEAU, TODD, CA
[72] ZHENG, YIBIN, US
[72] ZADE, ASHUTOSH, US
[73] INSULET CORPORATION, US
[85] 2021-03-08
[86] 2019-09-27 (PCT/US2019/053603)
[87] (WO2020/069406)
[30] US (62/738,531) 2018-09-28

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[13] C
[51] **Int.Cl. B07C 5/36 (2006.01)**
[25] EN
[54] **APPARATUS FOR PROCESSING AND GRADING FOOD ARTICLES AND RELATED METHODS**
[54] **APPAREIL DE TRAITEMENT ET DE CLASSEMENT D'ARTICLES ALIMENTAIRES ET PROCEDES ASSOCIES**
[72] HJALMARSSON, HELGI, IS
[72] JONSSON, EINAR BJORN, IS
[72] GUNNARSSON, HANNES, IS
[72] HERMANNSSON, INGOLFUR HARRI, IS
[72] EIRIKSSON, JON, IS
[73] VALKA EHF, IS
[85] 2021-03-09
[86] 2019-09-11 (PCT/EP2019/074281)
[87] (WO2020/053310)
[30] US (62/729,781) 2018-09-11

[11] **3,112,530**
[13] C
[51] **Int.Cl. B65G 53/08 (2006.01) B65G 53/48 (2006.01)**
[25] EN
[54] **APPARATUS TO CONVEY PULVERIZED MATERIAL**
[54] **APPAREIL POUR TRANSPORTER UN MATERIAU PULVERISE**
[72] FRIED, ANDREW CHARLES, US
[73] FLSMIDTH A/S, DK
[85] 2021-03-11
[86] 2019-09-17 (PCT/IB2019/057830)
[87] (WO2020/058853)
[30] US (62/732,826) 2018-09-18

[11] **3,112,629**
[13] C
[51] **Int.Cl. E06B 1/70 (2006.01) E06B 1/62 (2006.01) E06B 7/14 (2006.01)**
[25] EN
[54] **ONE-PIECE SILL PAN FLASHING**
[54] **BANDE DE RECOUVREMENT DE BARRE DE SEUIL EN UNE PIECE**
[72] GLICKMAN, JOEL I., US
[72] MCMAHON, KIERAN, US
[73] SILLDRY INDUSTRIES, LLC, US
[85] 2021-03-11
[86] 2019-09-13 (PCT/US2019/051086)
[87] (WO2020/060866)
[30] US (62/734,630) 2018-09-21
[30] US (16/566,429) 2019-09-10

[11] **3,112,830**
[13] C
[51] **Int.Cl. E05B 15/00 (2006.01) E05B 17/20 (2006.01) E05B 47/00 (2006.01) E05B 53/00 (2006.01)**
[25] EN
[54] **LOCKING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE**
[72] TARTAL, WILLIAM ALBERT, US
[72] YESSIN, GABRIEL MICHAEL, US
[72] DALTON, JR., ROBERT E., US
[73] UNITED STATES POSTAL SERVICE, US
[85] 2021-03-12
[86] 2019-09-24 (PCT/US2019/052659)
[87] (WO2020/068799)
[30] US (62/736,674) 2018-09-26

[11] **3,112,961**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **DATA SENDING METHOD AND APPARATUS, DATA RECEIVING METHOD AND APPARATUS, COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND STORAGE MEDIUM**
[54] **APPAREIL ET METHODE D'ENVOI DE DONNEES, APPAREIL ET METHODE DE RECEPTIONDE DONNEES, APPAREIL DE COMMUNICATION, SYSTEME DE COMMUNICATION ET SUPPORT DE STOCKAGE**
[72] JIANG, CHUANGXIN, CN
[72] LU, ZHAOHUA, CN
[72] WU, HAO, CN
[72] GAO, BO, CN
[72] LI, YUNGOK, CN
[72] ZHANG, SHUJUAN, CN
[72] XIAO, HUAHUA, CN
[72] YAN, WENJUN, CN
[73] ZTE CORPORATION, CN
[85] 2021-03-16
[86] 2019-09-26 (PCT/CN2019/108198)
[87] (WO2020/063764)
[30] CN (201811134358.8) 2018-09-27

[11] **3,112,980**
[13] C
[51] **Int.Cl. G06Q 10/047 (2023.01) G06Q 30/0601 (2023.01)**
[25] EN
[54] **USING SPENDING HABITS TO OPTIMIZE ROUTE IN STORE**
[54] **UTILISATIONS DES HABITUDES D`ACHAT POUR OPTIMISER LE TRAJET DANS LE MAGASIN**
[72] TAFFER, SAM L., US
[72] COTTLE, SETH WILTON, US
[72] TIKOIAN, KATHRYN, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3112980)
[87] (3112980)
[22] 2021-03-08
[30] US (16/818,732) 2020-03-13

[11] **3,113,292**
[13] C
[51] **Int.Cl. B65B 35/54 (2006.01) B65G 47/68 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONVEYING ARTICLES**
[54] **PROCEDE ET SYSTEME DE TRANSPORT D'ARTICLES**
[72] ZIEGLER, KELLY W., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2021-03-17
[86] 2019-10-14 (PCT/US2019/056051)
[87] (WO2020/081420)
[30] US (62/746,212) 2018-10-16
[30] US (62/786,798) 2018-12-31

[11] **3,113,519**
[13] C
[51] **Int.Cl. H04H 20/86 (2009.01) H04H 20/71 (2009.01) H04H 40/27 (2009.01) H04W 72/30 (2023.01) H04J 11/00 (2006.01)**
[25] EN
[54] **DYNAMIC CONFIGURATION OF A FLEXIBLE ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING PHY TRANSPORT DATA FRAME**
[54] **CONFIGURATION DYNAMIQUE D'UNE TRAME FLEXIBLE DE DONNEES DE TRANSPORT/PHY A MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE**
[72] SIMON, MICHAEL J., US
[72] SHELBY, KEVIN A., US
[72] EARNSHAW, MARK, US
[73] ONE MEDIA, LLC, US
[86] (3113519)
[87] (3113519)
[22] 2015-08-07
[62] 3,060,546
[30] US (62/034,583) 2014-08-07

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[13] C
[51] **Int.Cl. H04W 4/00 (2018.01) H04W 12/30 (2021.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED DIGITAL ENROLLMENT**
[54] **SYSTEMES ET METHODES D`INSCRIPTION NUMERIQUE AUTOMATISEE**
[72] AUN, MUHAMMAD, CA
[72] MAHESWARAMOOTHY, SUBASHAN, CA
[72] LUCIC, ROMULUS, CA
[72] HEWITT, DEVIN, CA
[73] BANK OF MONTREAL, CA
[86] (3113523)
[87] (3113523)
[22] 2021-03-30
[30] US (63/005,787) 2020-04-06

[11] **3,113,836**
[13] C
[51] **Int.Cl. A61K 8/24 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **STAIN REMOVING ORAL CARE COMPOSITIONS COMPRISING MEDIUM LENGTH POLYPHOSPHATES**
[54] **COMPOSITIONS DETACHANTES DE SOINS BUCCODENTAIRES COMPRENANT DES POLYPHOSPHATES DE LONGUEUR MOYENNE**
[72] RAMJI, NIRANJAN, US
[72] CURTIS, MICHAEL DAVID, US
[72] ST. JOHN, SAMUEL JAMES, US
[72] PEARSON, KATHLEEN, US
[72] WITTE, LINA AURORA, US
[72] NOLAND, ANDREA, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-03-22
[86] 2019-11-07 (PCT/US2019/060207)
[87] (WO2020/097290)
[30] US (62/756,666) 2018-11-07

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[13] C
[51] **Int.Cl. G09F 3/10 (2006.01) B32B 7/06 (2019.01) B32B 33/00 (2006.01) B32B 37/00 (2006.01)**
[25] EN
[54] **LINERLESS MULTI-PART LABEL SYSTEMS**
[54] **SYSTEMES D'ETIQUETTES EN PLUSIEURS PARTIES SANS SUPPORT**
[72] VALENTI, JR., F. PAUL, US
[72] OPEL, CARL, US
[72] HEDGER, DANIEL, US
[73] CHICAGO TAG & LABEL, INC., US
[85] 2021-03-23
[86] 2019-08-09 (PCT/US2019/045966)
[87] (WO2020/101775)
[30] US (16/191,036) 2018-11-14

[11] **3,114,537**
[13] C
[51] **Int.Cl. B01D 19/00 (2006.01)**
[25] EN
[54] **DEAERATOR FOR THE EVACUATION OF GASES IN HEATING SYSTEMS**
[54] **DEGAZEUR POUR L`EVACUATION DE GAZ DANS LES SYSTEMES DE CHAUFFAGE**
[72] SPURI SILVESTRINI, CLAUDIO, IT
[72] CHIAVETTI, FLAVIO, IT
[72] LOPEZ, ANTONIO, IT
[73] ARISTON S.P.A., IT
[86] (3114537)
[87] (3114537)
[22] 2021-04-12
[30] IT (102020000009322) 2020-04-28

[11] **3,114,775**
[13] C
[51] **Int.Cl. F16L 55/07 (2006.01) E03B 7/08 (2006.01) F16L 41/02 (2006.01) F16L 47/32 (2006.01)**
[25] EN
[54] **MULTI-PORT TRANSITION TEE DRAIN VALVE**
[54] **ROBINET DE VIDANGE A RACCORD TE DE TRANSITION MULTI-ORIFICE**
[72] MASON, CHRISTOPHER W., US
[73] NIBCO INC., US
[86] (3114775)
[87] (3114775)
[22] 2021-04-13
[30] US (17/149,788) 2021-01-15

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[13] C
[51] **Int.Cl. F02D 17/02 (2006.01) F02D 17/04 (2006.01) F02D 41/00 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE**
[72] HUBER, JOHANNES, AT
[72] KELLER, TOBIAS, AT
[72] KOEBERL, STEFAN, AT
[72] THALHAUSER, JOSEF, AT
[73] INNIO JENBACHER GMBH & CO OG, AT
[86] (3114840)
[87] (3114840)
[22] 2021-04-13
[30] DE (202020102062.5) 2020-04-15

[11] **3,115,093**
[13] C
[51] **Int.Cl. B23K 7/08 (2006.01) B23K 7/10 (2006.01) B23K 37/02 (2006.01) B23K 37/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING THE SIZE OF A MATERIAL**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DE LA TAILLE D'UN MATERIAU**
[72] ROZOT, THIERRY, US
[73] ROZOT, THIERRY, US
[85] 2021-03-31
[86] 2019-10-03 (PCT/US2019/054544)
[87] (WO2020/072804)
[30] US (62/740,557) 2018-10-03

[11] **3,115,399**
[13] C
[51] **Int.Cl. A01M 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR APPLYING SPRAY FLUID**
[54] **PROCEDE D'EPANDAGE D'UN LIQUIDE DE PULVERISATION**
[72] KLEMANN, TIMO, DE
[72] KIEFER, STEFAN, DE
[73] AMAZONEN-WERKE H. DREYER GMBH & CO. KG, DE
[85] 2021-04-06
[86] 2019-10-18 (PCT/EP2019/078356)
[87] (WO2020/083770)
[30] DE (10 2018 126 585.9) 2018-10-25

[11] **3,115,746**
[13] C
[51] **Int.Cl. G07D 7/00 (2016.01)**
[25] EN
[54] **BANKNOTE INSPECTION DEVICE, BANKNOTE INSPECTION METHOD, AND BANKNOTE INSPECTION PROGRAM**
[54] **DISPOSITIF D'INSPECTION DE BILLET DE BANQUE, PROCEDE D'INSPECTION DE BILLET DE BANQUE ET PROGRAMME D'INSPECTION DE BILLET DE BANQUE**
[72] YOSHIMURA, KAZUHISA, JP
[72] MARUYAMA, AKIO, JP
[73] FUJITSU FRONTECH LIMITED, JP
[85] 2021-04-08
[86] 2018-10-24 (PCT/JP2018/039565)
[87] (WO2020/084720)

[11] **3,116,222**
[13] C
[51] **Int.Cl. B61G 7/00 (2006.01)**
[25] EN
[54] **SNOW PROTECTION ASSEMBLY FOR A COUPLING REGION OF A RAIL VEHICLE**
[54] **ARRANGEMENT DE PROTECTION CONTRE LA NEIGE POUR UNE ZONE D'ATTELAGE D'UN VEHICULE FERROVIAIRE**
[72] HINTERMEIR, STEFAN, DE
[73] SIEMENS MOBILITY GMBH, DE
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[54] **METHOD FOR DETECTING ROAD USERS**
[54] **PROCEDE DE DETECTION D'USAGERS DE LA VOIE PUBLIQUE**
[72] MENDE, RALPH, DE
[73] S.M.S. SMART MICROWAVE SENSORS GMBH, DE
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[54] **TURBINE AIRFOIL APPARATUS AND CORRESPONDING METHOD**
[54] **AUBE DE TURBINE AVEC CIRCUIT DE REFROIDISSEMENT DE PLATE-FORME MOULEE**
[72] MOLTER, STEPHEN MARK, US
[72] STEGEMILLER, MARK EDWARD, US
[72] PEARSON, SHAWN MICHAEL, US
[72] BRASSFIELD, STEVEN ROBERT, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **REINFORCED FILM FOR BIOCONTAINERS**
[54] **FILM RENFORCE POUR RECIPIENTS BIOLOGIQUES**
[72] PEREIRA, BRIAN, US
[72] SARAGOSA, JOHN, US
[72] MULDOON, JOSEPH, US
[73] EMD MILLIPORE CORPORATION, US
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[54] **FLEXIBLE MAT FORMING SYSTEM**
[54] **SYSTEME DE FORMATION DE TAPIS SOUPLE**
[72] MOTZ, JAMES G., US
[72] MOTZ, MATTHEW J., US
[73] MOTZ ENTERPRISES, INC., US
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[54] **HAMMOCK TENTS AND RELATED CAMPING SYSTEMS**
[54] **TENTES HAMACS ET SYSTEMES DE CAMPING ASSOCIES**
[72] TILLOTSON, DEREK, US
[73] TILLOTSON, DEREK, US
[85] 2021-04-19
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING PROCESSING OF A VARIETY OF OBJECTS EMPLOYING MOTION PLANNING**
[54] **SYSTEMES ET PROCEDES DE REALISATION DU TRAITEMENT DE DIVERS OBJETS EN UTILISANT LA PLANIFICATION DE MOUVEMENTS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
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[25] EN
[54] **FLEXIBLE PIPE FOR HYDRAULIC FRACTURING APPLICATIONS**
[54] **TUYAU FLEXIBLE POUR APPLICATIONS DE FRACTURATION HYDRAULIQUE**
[72] ESPINASSE, PHILIPPE, US
[72] BERNARD, GARY, US
[72] STREIFF, JEAN-LUC, US
[72] FINK, DANIEL R., US
[73] FMC TECHNOLOGIES, INC., US
[85] 2021-04-23
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[54] **CONNECTOR**
[54] **CONNECTEUR**
[72] POMERING, AMY LOUISE, SE
[72] PIETRZAK, CHRISTOPHER, SE
[72] XIE, SAMAN, SE
[73] MIPS AB, SE
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[25] EN
[54] **MAGNETICALLY CONTROLLABLE INDUCTOR IN A SERIES CIRCUIT**
[54] **BOBINE D'ETRANGLEMENT REGLABLE MAGNETIQUEMENT DANS UN MONTAGE EN SERIE**
[72] FRITSCHE, RONNY, DE
[72] KUSTERMANN, MATTHIAS, DE
[72] MANTHE, THOMAS, DE
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[54] **METHOD FOR PREDICTING MINE STRATA PRESSURE BEHAVIOR DATA OF STOPING TUNNEL**
[54] **PROCEDE PERMETTANT DE PREDIRE DES DONNEES DE COMPORTEMENT DE PRESSION DE STRATE DE MINE D'UN TUNNEL D'EXPLOITATION PAR GRADINS**
[72] ZHENG, XIGUI, CN
[72] AI, DECHUN, CN
[72] LIU, CANCAN, CN
[72] LIU, HONGYANG, CN
[72] ZHANG, PENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] LIUPANSHUI NORMAL UNIVERSITY, CN
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[54] **LOG FEEDING APPARATUS, LOG PROCESSING APPARATUS HAVING THE SAME, AND METHOD OF CONTROLLING THE SAME**
[54] **APPAREIL D'ALIMENTATION EN RONDINS, APPAREIL DE TRAITEMENT DE RONDINS COMPORTANT UN TEL APPAREIL D'ALIMENTATION EN RONDINS, ET PROCEDE DE COMMANDE DE TELS APPAREILS**
[72] KONISHI, KEITA, JP
[72] KANAHARA, NARUHITO, JP
[72] MORIMOTO, KIYOSHI, JP
[73] MEINAN MACHINERY WORKS, INC., JP
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[25] EN
[54] **A SYSTEM AND METHOD FOR GENERATING IMAGES BASED ON WORK MACHINE TRAVELING STATE**
[54] **SYSTEME ET METHODE POUR GENERER DES IMAGES EN FONCTION D'UN ETAT DE DEPLACEMENT D'UNE MACHINE DE TRAVAIL**
[72] NAKAZAWA, KOICHI, JP
[72] YATSUDA, OSAMU, JP
[73] KOMATSU LTD., JP
[85] 2021-05-03
[86] 2020-01-20 (PCT/JP2020/001775)
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[25] EN
[54] **LOAD REDUCTION ASSISTANCE DEVICE, LOAD REDUCTION ASSISTANCE SYSTEM, LOAD REDUCTION ASSISTANCE METHOD, PROGRAM, AND STORAGE MEDIUM FOR STORING PROGRAM**
[54] **DISPOSITIF D'AIDE A LA REDUCTION DE CHARGE, SYSTEME D'AIDE A LA REDUCTION DE CHARGE, PROCEDE D'AIDE A LA REDUCTION DE CHARGE, PROGRAMME ET SUPPORT DE STOCKAGE POUR STOCKER UN PROG RAMME**
[72] OOKOBA TADASHI, JP
[73] NEC CORPORATION, JP
[85] 2021-05-11
[86] 2019-11-08 (PCT/JP2019/043858)
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[54] **NEEDLELESS CONNECTOR WITH FOLDING VALVE**
[54] **CONNECTEUR SANS AIGUILLE AVEC VALVE PLIABLE**
[72] YEH, JONATHAN, US
[72] ZOLLINGER, CHRISTOPHER J., US
[72] QUACH, MATTHEW, US
[72] MANSOUR, GEORGE MICHEL, US
[73] CAREFUSION 303, INC., US
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[54] **TRAITEMENT DE MATIERES CARBONEES**
[72] EATOUGH, CRAIG NORMAN, US
[72] HEATON, JONATHAN S., US
[73] EKOMATTER IP HOLDINGS 3 LLC, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR PARTITIONING A VIDEO FEED TO SEGMENT LIVE PLAYER ACTIVITY**
[54] **SYSTEMES ET PROCEDES POUR DIVISER UN FLUX VIDEO AFIN DE SEGMENTER UNE ACTIVITE DE JOUEUR EN DIRECT**
[72] SCHWARTZ, ERIK, US
[72] NAQUIN, MICHAEL, US
[72] BROWN, CHRISTOPHER, US
[72] XING, STEVE, US
[72] CZARNECKI, PAWEL, US
[72] EBERSOL, CHARLES D., US
[73] TEMPUS EX MACHINA, INC., US
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[54] **METHODS AND SYSTEMS FOR DETERMINING ONE OR MORE ACTIONS TO CARRY OUT IN AN ENVIRONMENT**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER UNE OU PLUSIEURS ACTIONS A EFFECTUER DANS UN ENVIRONNEMENT**
[72] MCCONACHIE, ROBERT, GB
[73] THALES HOLDINGS UK PLC, GB
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[54] **SYSTEM AND METHOD TO DETECT ARTICULATE BODY POSE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE DETECTER UNE POSE DE CORPS ARTICULE**
[72] PESCARU, DAN, RO
[73] EVERSEEN LIMITED, IE
[85] 2021-05-26
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[54] **DOWNHOLE SAND SCREEN WITH AUTOMATIC FLUSHING SYSTEM**
[54] **CRIBLE A SABLE DE FOND DE TROU AVEC SYSTEME DE RINCAGE AUTOMATIQUE**
[72] EL-MAHBES, REDA, US
[72] KIRK, JORDAN, US
[72] REID, LESLIE, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2021-05-27
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[54] **EMULSION DE POMME DE TERRE VEGETALIENNE**
[72] TORNBERG, EVA, SE
[73] VEG OF LUND AB, SE
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[54] **PHYSIOLOGICAL SIGNAL MONITORING DEVICE AND SENSOR HOLDER THEREOF**
[54] **DISPOSITIF DE SURVEILLANCE DES SIGNAUX PHYSIOLOGIQUES ET PORTE-CAPTEUR**
[72] HUANG, CHUN-MU, CN
[72] CHEN, CHIEH-HSING, CN
[73] BIONIME CORPORATION, CN
[73] BIONIME USA CORPORATION, CN
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[54] **BATTERY LIFE EXTENSION VIA CHANGES IN MESSAGE SIZE**
[54] **EXTENSION DE DUREE DE VIE DE BATTERIE PAR L'INTERMEDIAIRE DE CHANGEMENTS DE TAILLE DE MESSAGE**
[72] KANN, JAMES LEE, US
[72] CORNWALL, MARK K., US
[72] CLEVENGER, PETER, US
[73] ITRON, INC., US
[85] 2021-06-03
[86] 2019-12-13 (PCT/US2019/066369)
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[25] EN
[54] **REFRIGERATOR AND METHOD AND DEVICE FOR CONTROLLING REFRIGERATION THEREOF**
[54] **REFRIGERATEUR, ET PROCEDE ET DISPOSITIF DE COMMANDE DE LA REFRIGERATION DE CELUI-CI**
[72] FANG, RUIMING, CN
[72] LI, YU, CN
[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[73] HEFEI HUALING CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[51] **Int.Cl. G06F 3/08 (2006.01) G06N 3/084 (2023.01) G06F 3/045 (2006.01)**
[25] EN
[54] **PARTIAL-ACTIVATION OF NEURAL NETWORK BASED ON HEAT-MAP OF NEURAL NETWORK ACTIVITY**
[54] **ACTIVATION PARTIELLE DU RESEAU NEURONAL FONDE SUR UNE CARTE DE DENSITE DE L`ACTIVITE DU RESEAU NEURONAL**
[72] DAVID, ELI, IL
[72] RUBIN, ERI, IL
[73] NANO-DIMENSION TECHNOLOGIES, LTD., IL
[86] (3122970)
[87] (3122970)
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[54] **OUTPUT HUB SUPPORTS FOR A BI-DIRECTIONAL OVERRUNNING CLUTCH DIFFERENTIAL**
[54] **SUPPORTS DE MOYEU DE BOUT D'ARBRE POUR UN DIFFERENTIEL D'EMBRAYAGE A ROUE LIBRE BIDIRECTIONNEL**
[72] HEATH, KELLY P., US
[72] KNICKERBOCKER, HOWARD J., US
[72] BENNETT, KEVIN, US
[73] THE HILLIARD CORPORATION, US
[86] (3123071)
[87] (3123071)
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[25] EN
[54] **HYDROCRACKING CATALYST, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **CATALYSEUR D'HYDROCRAQUAGE, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] TANG, ZHAOJI, CN
[72] DU, YANZE, CN
[72] FAN, HONGFEI, CN
[72] WANG, JIFENG, CN
[72] YU, ZHENGMIN, CN
[72] SUN, XIAOYAN, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC CORP., CN
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[54] **REEL SYSTEM WITHIN BOOM**
[54] **SYSTEME DE TAMBOUR AVEC MAT**
[72] HREN, WILLIAM J., US
[72] PEDRETTI, ETHAN, US
[73] JOY GLOBAL SURFACE MINING INC, US
[86] (3123283)
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[22] 2014-06-26
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[25] EN
[54] **METHOD OF MAKING A TEE RAIL HAVING A HIGH STRENGTH BASE**
[54] **PROCEDE DE FABRICATION D'UN RAIL EN T AYANT UNE BASE TRES RESISTANTE**
[72] UHRIN, RAYMOND, US
[72] ROYER, ZACHARY, US
[72] MCCULLOUGH, JASON, US
[72] PERRY, RICHARD L., US
[72] STEVENSON, BRUCE, US
[73] ARCELORMITTAL, LU
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[54] **INTELLIGENT WATERING SYSTEM**
[54] **SYSTEME INTELLIGENT D'ARROSAGE**
[72] GUNGL, JOHANNES, DE
[72] SOOR, FLORIAN, DE
[72] SCHNURLE, HORST, DE
[72] BOLLIGER, PHILIPP, CH
[73] HUSQVARNA AB, SE
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[87] (3123555)
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[25] EN
[54] **DISPOSABLE DIAPER RECYCLING AND APPLICATIONS THEREOF**
[54] **ECYCLAGE DE COUCHES JETABLES ET APPLICATIONS**
[72] ZHAN, WEI, US
[72] YANG, HAILING, US
[73] ZYNNOVATION LLC, US
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[25] EN
[54] **HYDRATION-BLENDER TRANSPORT FOR FRACTURING OPERATION**
[54] **TRANSPORT DE MELANGEUR D'HYDRATATION POUR UNE OPERATION DE FRACTURATION**
[72] MORRIS, JEFFREY G., US
[72] BODISHBAUGH, ADRIAN BENJAMIN, US
[72] BATEMAN, MICHAEL, US
[72] JENSEN, NEAL, US
[72] HOLTE, COREY, US
[73] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
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[54] **SYSTEMS AND METHODS FOR RADIOTHERAPY WITH MAGNETIC RESONANCE IMAGING**
[54] **SYSTEMES ET PROCEDES POUR RADIOTHERAPIE AVEC IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] SHVARTSMAN, SHMARYU M., US
[72] DEMPSEY, JAMES F., US
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[54] **MOTEUR PRINCIPAL ET ENSEMBLE DE REFROIDISSEMENT D'HUILE LUBRIFIANTE POUR LE TRANSPORT DE POMPE DE FRACTURATION**
[72] MORRIS, JEFFREY G., US
[73] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
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[54] **WHEEL ASSEMBLY INCLUDING INNER AND OUTER RIM COUPLED HYDRAULIC DAMPERS AND RELATED METHODS**
[54] **ENSEMBLE ROUE COMPRENANT DES AMORTISSEURS HYDRAULIQUES ACCOUPLES A LA JANTE INTERIEURE ET A LA JANTE EXTERIEURE ET PROCEDES ASSOCIES**
[72] KEMENY, ZOLTAN, US
[73] GACW INCORPORATED, US
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[54] **APPARATUS AND METHOD FOR INTELLIGENTLY DETECTING DIELECTRIC PROPERTY OF FRUITS AND VEGETABLES DURING MICROWAVE VACUUM DRYING BASED ON LOW-FIELD NUCLEAR MAGNETIC RESONANCE**
[54] **APPAREIL ET PROCEDE POUR DETECTER DE MANIERE INTELLIGENTE LA PROPRIETE DIELECTRIQUE DE FRUITS ET DE LEGUMES PENDANT UN SECHAGE SOUS VIDE PAR MICRO-ONDES SUR LA BASE D'UN MAGNETISM E NUCLEAIRE A FAIBLE CHAMP**
[72] ZHANG, MIN, CN
[72] LI, LINLIN, CN
[72] WANG, YUCHUAN, CN
[72] FAN, DONGCUI, CN
[72] YANG, PEIQIANG, CN
[73] JIANGNAN UNIVERSITY, CN
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[54] **ARTICLE DE CHAUSSURE A ENTREE RAPIDE AYANT UNE OUVERTURE EXTENSIBLE**
[72] PRATT, MICHAEL, US
[72] HERMANN, STEVEN, US
[72] EDDINGTON, JOSEPH, US
[72] CHENEY, CRAIG, US
[73] FAST IP, LLC, US
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[54] **VECTEUR VIRAL ADENO-ASSOCIE**
[72] LINDEN, RALPH MICHAEL, GB
[73] KING'S COLLEGE LONDON, GB
[73] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
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[54] **DERIVE DE PYRROLOPYRIMIDINE ET SON UTILISATION**
[72] ZHANG, XUEJUN, CN
[72] YE, DABING, CN
[72] LI, LIE, CN
[72] SHEN, JIE, CN
[72] DING, XIAOHUA, CN
[72] SUN, HONGNA, CN
[72] LIU, ZHE, CN
[72] ZANG, YANG, CN
[72] WEI, YONGGANG, CN
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[72] SAKARANAHO, MATTI, FI
[72] SOINI, TEEMU, FI
[72] KOURUNEN, JARI, FI
[72] KAARTINEN, JANI, FI
[72] LOIMI, JANNE, FI
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[72] LINN, SCOTT A., US
[72] GARDNER, JAMES MICHAEL, US
[72] CUMBIE, MICHAEL W., US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
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[54] **CONTROLLING AN EXERCISE MACHINE USING A VIDEO WORKOUT PROGRAM**
[54] **COMMANDE D'UNE MACHINE D'EXERCICE UTILISANT UN PROGRAMME D'ENTRAINEMENT VIDEO**
[72] WATTERSON, ERIC C., US
[72] BRAMMER, CHASE, US
[72] HATHAWAY, CHRISTIAN, US
[72] CAPELL, REBECCA LYNN, US
[73] IFIT INC., US
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[72] BEREZIN, OLEG YU., IL
[73] BLUEGREEN WATER TECHNOLOGIES LTD., IL
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[54] **PROCEDE DE DETERMINATION DE RECOMMANDATIONS DE REGLAGE**
[72] SCHEUFLER, BERND, DE
[72] STROBEL-FROSCHLE, MARKUS, DE
[72] RAHE, FLORIAN, DE
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[54] **SERRURE DE PORTE AYANT UN CLAVIER VISIBLE JOUR ET NUIT**
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[73] SCHLAGE LOCK COMPANY LLC, US
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[54] **REAR PANEL ASSEMBLY OF WINDOW AIR CONDITIONER, WINDOW AIR CONDITIONER, AND WINDOW AIR CONDITIONER APPARATUS**
[54] **ENSEMBLE DE PLAQUE D'ENCERCLEMENT ARRIERE DE CLIMATISEUR DE TYPE FENETRE, CLIMATISEUR DE TYPE FENETRE ET DISPOSITIF DE CLIMATISEUR DE TYPE FENETRE**
[72] LIU, YU, CN
[72] XING, ZHIGANG, CN
[72] ZHANG, KANGWEN, CN
[72] LEI, ZHISHENG, CN
[72] YU, HUI, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[54] **MECANISME DE TRANSMISSION ET VERROU**
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[73] TAIWAN FU HSING INDUSTRIAL CO., LTD., TW
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[54] **PERCEUSE D'ESSIEU, ENSEMBLES D'INSTALLATION ET PROCEDES DE REPARATION DES ESSIEUX**
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[73] EBERT, JAMES L., US
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[54] **COMPOSITION DE PEINTURE COMPRENANT UN ELEMENT LIANT, UN PREMIER AGENT RHEOLOGIQUE ET UN DEUXIEME AGENT RHEOLOGIQUE**
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[73] KANSAI PAINT CO., LTD., JP
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[54] **DERIVES DE 2-BENZOYLAMINOBENZAMIDE COMME INHIBITEURS DE BCL-3**
[72] WESTWELL, ANDREW DAVID, GB
[72] BRANCALE, ANDREA, GB
[72] CLARKSON, RICHARD WILLIAM ERNEST, GB
[72] SOUKUPOVA, JITKA, GB
[73] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB
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[54] **VARIETE DE CANOLA 18UU2731R**
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[72] PATEL, JAYANTILAL DEVABHAI, CA
[73] AGRIGENETICS, INC., US
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[54] **CANOLA INBRED G2373305**
[54] **CANOLA AUTOGAME G2373305**
[72] ALAHAKOON, USHAN, US
[73] AGRIGENETICS, INC., US
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[25] EN
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[54] **DISPOSITIF DE GENERATION DE DONNEES SUR LES LIGNES DE SOUDURE, SYSTEME DE SOUDAGE, METHODE DE GENERATION DE DONNEES SUR LES LIGNES DE SOUDURE ET SUPPORT INFORMATIQUE**
[72] JIAO, YOUZHUO, JP
[72] SADAHIRO, KENJI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2021-08-19
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[54] **COMPOSITIONS D'ELEMENT NUTRITIF OBTENUES D'INSECTES OU DE VERS**
[72] ARSIWALLA, TARIQUE, CH
[72] AARTS, KEES WILHELMUS PETRUS, NL
[73] BUHLER AG, CH
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[87] (3130977)
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[54] **SYSTEME D'ANALYSE DE LA PAROLE**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS CORP., JP
[86] (3131060)
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[25] EN
[54] **METHOD TO CONVERT LITHIUM IN SOLUBLE FORM FROM LITHIUM SILICATE MINERALS BY THE USE OF AN INTRINSIC CHEMICAL HEAT SYSTEM**
[54] **METHODE POUR CONVERTIR DU LITHIUM EN FORME SOLUBLE A PARTIR DE MINERAIS DE SILICATE DE LITHIUM A L'AIDE D'UN SYSTEME DE CHAUFFAGE CHIMIQUE INTRINSEQUE**
[72] GAUTHIER, LAURY, CA
[73] GAUTHIER, LAURY, CA
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[54] **PROTECTIVE BARRIER COATING TO IMPROVE BOND INTEGRITY IN DOWNHOLE EXPOSURES**
[54] **REVETEMENT DE BARRIERE DE PROTECTION POUR AMELIORER L'INTEGRITE DE LIAISON DANS DES EXPOSITIONS DE FOND DE TROU**
[72] SMITH, CHARLES TIMOTHY, US
[72] GLAESMAN, CHAD WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **DUAL CATION HYDRATE INHIBITORS**
[54] **INHIBITEUR D'HYDRATES A DOUBLE CATION**
[72] VO, LOAN, US
[72] MONTEIRO, DEEPAK S., US
[72] LAN, QIANG, US
[72] PRINCE, PHILIPPE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **METHODE DE DETECTION PAR LE HAUT DE BALLES DE GOLF, SYSTEME ET MOYEN DE STOCKAGE**
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[72] WANG, QING HUA, CN
[73] SHENZHEN GREENJOY TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF AN ASSEMBLY BY SUBMERGED ARC WELDING (SAW)**
[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE PAR SOUDAGE A L'ARC SUBMERGE (SAW)**
[72] MANJON FERNANDEZ, ALVARO, ES
[72] PEREZ RODRIGUEZ, MARCOS, ES
[72] SUAREZ SANCHEZ, ROBERTO, ES
[72] BOHM, SIVASAMBU, GB
[73] ARCELORMITTAL, LU
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[54] **STABILISATION ET STRATIFICATION DE TEXTILES A L'AIDE DE COUCHES INTERNES A INDICE DE FLUIDITE ET DE COMPOSITION CHIMIQUE VARIABLES**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN, US
[72] ZAFIROGLU, DIMITRI, US
[72] DANIELL, ANTHONY, US
[73] ENGINEERED FLOORS LLC, US
[85] 2021-10-13
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[54] **APPARATUS AND METHODS FOR EXPANDING AND COLLAPSING A ROD**
[54] **APPAREIL ET METHODES D'EXPANSION ET D'ESCAMOTAGE D'UNE TIGE**
[72] ZHANG, WEI, CA
[73] ZHANG, WEI, CA
[86] (3133855)
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[51] **Int.Cl. C08L 27/12 (2006.01) C08K 5/00 (2006.01) C08K 5/1515 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **FLUORORUBBER COMPOSITION CONTAINING EPOXIDIZED POLYBUTADIENE**
[54] **COMPOSITION DE CAOUTCHOUC FLUORE CONTENANT DU POLYBUTADIENE EPOXYDE**
[72] TANDO, IZUMI, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2021-09-20
[86] 2020-03-18 (PCT/JP2020/011987)
[87] (WO2020/196158)
[30] JP (2019-059141) 2019-03-26

[11] **3,134,278**
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[51] **Int.Cl. A61B 6/00 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **CALIBRATION BIAS REDUCTION IN A PRESSURIZED GAS ION CHANBER-BASED DOSE CALIBRATOR**
[54] **REDUCTION DU BIAIS D'ETALONNAGE DANS UN ETALONNEUR DE DOSE A CHAMBRE D'IONISATION SOUS PRESSION**
[72] BHATTACHARYA, MANOJEET, US
[73] SIEMENS MEDICAL SOLUTIONS USA, INC, US
[86] (3134278)
[87] (3134278)
[22] 2019-01-22
[62] 3,093,236
[30] US (62/639,649) 2018-03-07

[11] **3,134,284**
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[51] **Int.Cl. A61B 6/03 (2006.01) A61B 6/00 (2006.01) G01T 1/00 (2006.01)**
[25] EN
[54] **CALIBRATION BIAS REDUCTION IN A PRESSURIZED GAS ION CHAMBER-BASED DOSE CALIBRATOR**
[54] **REDUCTION DU BIAIS D'ETALONNAGE DANS UN ETALONNEUR DE DOSE A CHAMBRE D'IONISATION SOUS PRESSION**
[72] BHATTACHARYA, MANOJEET, US
[73] SIEMENS MEDICAL SOLUTIONS USA, INC., US
[86] (3134284)
[87] (3134284)
[22] 2019-01-22
[62] 3,093,236
[30] US (62/639,649) 2018-03-07

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[13] C
[51] **Int.Cl. C25B 15/02 (2021.01) C25B 9/00 (2021.01) F15B 15/26 (2006.01)**
[25] EN
[54] **ELECTROLYZER, METHOD FOR CONTROLLING SAME, AND PROGRAM**
[54] **ELECTROLYSEUR, PROCEDE DE COMMANDE ASSOCIE ET PROGRAMME**
[72] SUZUKI, YUTO, JP
[72] ANAMI, YASUTAKA, JP
[72] HIRATA, KOICHI, JP
[73] ASAHI KASEI KABUSHIKI KAISHA, JP
[85] 2021-09-21
[86] 2020-03-18 (PCT/JP2020/012107)
[87] (WO2020/203319)
[30] JP (2019-069856) 2019-04-01

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[51] **Int.Cl. G06V 20/40 (2022.01) G06V 20/52 (2022.01) G06V 40/10 (2022.01) G06V 40/20 (2022.01) G01P 11/02 (2006.01)**
[25] EN
[54] **ANOMALY DETECTION METHOD, SYSTEM AND COMPUTER READABLE MEDIUM**
[54] **PROCEDE DE DETECTION D'ANOMALIE, SYSTEME ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] VENETIANER, PETER, CA
[72] KEDARISETTI, DHARANISH, CA
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2021-09-16
[86] 2020-04-09 (PCT/US2020/027485)
[87] (WO2020/210504)
[30] US (62/831,698) 2019-04-09

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[51] **Int.Cl. C07C 253/30 (2006.01) C07C 253/34 (2006.01) C07C 255/31 (2006.01) C07C 255/33 (2006.01)**
[25] EN
[54] **HALOGENATED CONJUGATED DIENE COMPOUND, AND PREPARATION AND APPLICATION THEREOF**
[54] **COMPOSE DIENE CONJUGUE HALOGENE, PREPARATION ET UTILISATION ASSOCIEES**
[72] CHEN, BANGCHI, CN
[72] SUN, YINWEI, CN
[72] WANG, ZHONGYUAN, CN
[72] LIN, MIAO, CN
[73] ORIENTAL (LUZHOU) AGROCHEMICALS CO., LTD., CN
[85] 2021-09-29
[86] 2019-04-01 (PCT/CN2019/080822)
[87] (WO2020/199078)

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[51] **Int.Cl. E04D 7/00 (2006.01) C04B 20/10 (2006.01) C09C 3/06 (2006.01) C09D 5/33 (2006.01) C09D 183/05 (2006.01) C09D 183/06 (2006.01)**
[25] EN
[54] **COATED SOLAR REFLECTIVE GRANULES AND METHODS OF MANUFACTURING THE SAME**
[54] **GRANULES REFLECHISSANTS SOLAIRES REVETUS ET LEURS PROCEDES DE FABRICATION**
[72] JENREE, RHONDA, US
[72] GROVE, DALE ADDISON, US
[73] U.S. SILICA COMPANY, US
[85] 2021-09-29
[86] 2020-03-30 (PCT/US2020/025644)
[87] (WO2020/205695)
[30] US (16/370,303) 2019-03-29

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[51] **Int.Cl. B32B 5/26 (2006.01) B32B 5/06 (2006.01) B32B 27/02 (2006.01) B32B 27/36 (2006.01) B32B 37/20 (2006.01) D06N 5/00 (2006.01) E04D 5/02 (2006.01) B32B 11/02 (2006.01)**
[25] EN
[54] **FLAME-RESISTANT COMPOSITE SUBSTRATES FOR BITUMINOUS MEMBRANES**
[54] **SUBSTRATS COMPOSITES IGNIFUGES POUR MEMBRANES BITUMINEUSES**
[72] ROCCHETTA, LUIGI, IT
[73] POLITEX S.A.S. DI FREUDENBERG POLITEX S.R.L., IT
[85] 2021-10-05
[86] 2020-05-04 (PCT/EP2020/062295)
[87] (WO2020/225200)
[30] EP (19172741.1) 2019-05-06

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[51] **Int.Cl. A63G 7/00 (2006.01) A63G 21/14 (2006.01) A63G 21/20 (2006.01)**
[25] EN
[54] **COASTER TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT DE DESSOUS D'ATTRACTION**
[72] DAGLEY, JAMES FRANCIS, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-10-06
[86] 2020-04-28 (PCT/US2020/030187)
[87] (WO2020/223187)
[30] US (62/840,168) 2019-04-29
[30] US (16/414,605) 2019-05-16

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[51] **Int.Cl. H02P 29/024 (2016.01) H02P 29/028 (2016.01)**
[25] EN
[54] **MOTOR PROTECTION RELAY WITH MOTOR UNDER VOLTAGE PROTECTION CIRCUIT**
[54] **RELAIS DE PROTECTION DE MOTEUR A CIRCUIT DE PROTECTION DE MOTEUR EN CAS DE SOUS-TENSION**
[72] FRASER, ALAN W., US
[73] SIEMENS INDUSTRY, INC., US
[85] 2021-10-14
[86] 2020-03-19 (PCT/US2020/023480)
[87] (WO2020/214321)
[30] US (16/386,079) 2019-04-16

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[51] **Int.Cl. H04N 19/126 (2014.01) H04N 19/176 (2014.01) H04N 19/513 (2014.01)**
[25] EN
[54] **GEOMETRIC PARTITIONING MODE IN VIDEO CODING**
[54] **MODE DE PARTITION GEOMETRIQUE DANS UN CODAGE VIDEO**
[72] CHEN, LIEN-FEI, US
[72] LI, GUICHUN, US
[72] LI, XIANG, US
[72] LIU, SHAN, US
[73] TENCENT AMERICA LLC, US
[85] 2021-10-14
[86] 2020-11-12 (PCT/US2020/060281)
[87] (WO2021/101791)
[30] US (62/938,894) 2019-11-21
[30] US (17/091,253) 2020-11-06

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[13] C
[51] **Int.Cl. B01D 53/52 (2006.01)**
[25] EN
[54] **A METHOD OF ABATING CARBON DIOXIDE AND HYDROGEN SULFIDE**
[54] **PROCEDE DE REDUCTION DE DIOXYDE DE CARBONE ET DE SULFURE D'HYDROGENE**
[72] SIGFUSSON, BERGUR, IS
[72] GUNNLAUGSSON, EINAR, IS
[72] SIGURDARDOTTIR, HOLMFRIDUR, IS
[72] GISLASON, SIGURDUR REYNIR, IS
[72] OELKERS, ERIC H., FR
[72] SNAEBJORNSDOTTIR, SANDRA OSK, IS
[72] GALECZKA, IWONA M., IS
[72] WOLFF-BOENISCH, DOMENIK, AU
[72] STEFANSSON, ANDRI, IS
[72] CLARK, DEIRDRE ELIZABETH, IS
[72] ARADOTTIR, EDDA SIF PIND, IS
[72] GUNNARSSON, INGVI, IS
[72] ARNARSON, MAGNUS POR, IS
[72] SIGHVATSSON, HUNI, IS
[72] MESFIN, KIFLOM G., IS
[72] ALFREDSSON, HELGI A., IS
[72] JONSSON, PORSTEINN, IS
[72] MATTER, JURG, GB
[72] STUTE, MARTIN, US
[72] VOIGT, MARTIN JOHANNES, IS
[73] CARBFIX, IS
[73] UNIVERSITY OF ICELAND, IS
[73] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[73] BARNARD COLLEGE, US
[85] 2021-11-08
[86] 2020-05-22 (PCT/EP2020/064306)
[87] (WO2020/234464)
[30] EP (19175986.9) 2019-05-22

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[51] **Int.Cl. H02G 3/08 (2006.01) H02G 3/18 (2006.01)**
[25] EN
[54] **ELECTRICAL BOX CABLE CLAMP**
[54] **COLLIER DE SERRAGE DE BOITIER ELECTRIQUE**
[72] KORCZ, KRZYSZTOF W., US
[72] JOHNSON, STEVEN J., US
[72] RICHARD, JOSEPH EDWARD, US
[73] HUBBELL INCORPORATED, US
[86] (3137668)
[87] (3137668)
[22] 2016-12-07
[62] 3,006,301
[30] US (62/264,015) 2015-12-07

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[51] **Int.Cl. H04H 20/61 (2009.01) H04H 60/58 (2009.01) H04H 60/64 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING IN-APPLICATION MESSAGING**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE MESSAGERIE DANS UNE APPLICATION**
[72] LINGUANTI, NICHOLAS ANTHONY, US
[72] HUMPHREYS, KIMBERLY ANNE, US
[72] KAM, HUMBERTO AUGUSTO, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-11-03
[86] 2020-05-19 (PCT/US2020/033649)
[87] (WO2020/242840)
[30] US (62/852,660) 2019-05-24
[30] US (16/539,703) 2019-08-13

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[13] C
[51] **Int.Cl. F04B 51/00 (2006.01) G01M 99/00 (2011.01)**
[25] EN
[54] **TEST SYSTEM FLUID EVACUATION**
[54] **EVACUATION DE FLUIDE D'UN SYSTEME D'ESSAI**
[72] FIELDER, VANCE LEE, US
[72] MULLINS, BRYAN DON, US
[72] KOPECKY, TREVOR ALAN, US
[72] BROWN, DONN J., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-08
[86] 2019-09-24 (PCT/US2019/052717)
[87] (WO2021/054985)
[30] US (16/574,557) 2019-09-18

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[51] **Int.Cl. H01M 10/056 (2010.01) H01M 4/131 (2010.01) H01M 4/136 (2010.01) H01M 10/0525 (2010.01) H01M 10/054 (2010.01)**
[25] EN
[54] **RECHARGEABLE BATTERY CELL**
[54] **PILE RECHARGEABLE**
[72] ZINCK, LAURENT, FR
[72] PSZOLLA, CHRISTIAN, DE
[72] BORCK, MARKUS, DE
[73] INNOLITH TECHNOLOGY AG, CH
[85] 2021-11-09
[86] 2020-07-30 (PCT/EP2020/071577)
[87] (WO2021/019045)
[30] EP (19189435.1) 2019-07-31

[11] **3,139,843**
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[51] **Int.Cl. H01M 10/056 (2010.01) H01M 4/131 (2010.01) H01M 4/136 (2010.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **RECHARGEABLE BATTERY CELL**
[54] **PILE RECHARGEABLE**
[72] ZINCK, LAURENT, FR
[72] WOLLFARTH, CLAUDIA, DE
[72] BIOLLAZ, HEIDE, DE
[73] INNOLITH TECHNOLOGY AG, CH
[85] 2021-11-09
[86] 2020-07-30 (PCT/EP2020/071579)
[87] (WO2021/019047)
[30] EP (19189435.1) 2019-07-31

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[13] C
[51] **Int.Cl. B01J 37/16 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING CATALYSTS FOR AMMONIA SYNTHESIS BY REDUCING IRON OXIDES**
[54] **PROCEDE DE PREPARATION DE CATALYSEURS POUR LA SYNTHESE D'AMMONIAC PAR REDUCTION D'OXYDES DE FER**
[72] ECKERT, RENE, DE
[72] REITMEIER, STEPHAN J., DE
[72] MAIER, STEFAN, DE
[73] CLARIANT INTERNATIONAL LTD, CH
[85] 2021-11-15
[86] 2020-07-08 (PCT/EP2020/069218)
[87] (WO2021/013544)
[30] DE (10 2019 120 012.1) 2019-07-24

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[13] C
[51] **Int.Cl. A63H 11/00 (2006.01) A63H 13/00 (2006.01) A63H 33/26 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC ANIMATED FIGURE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE FIGURE ANIMEE ELECTROMAGNETIQUE**
[72] JEROMIN, AARON CHANDLER, US
[72] KRAUTHAMER, AKIVA MEIR, US
[72] HERTZLER, ELAM KEVIN, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-11-24
[86] 2020-06-03 (PCT/US2020/035820)
[87] (WO2020/247425)
[30] US (62/858,677) 2019-06-07
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[51] **Int.Cl. A61K 47/06 (2006.01)**
[25] EN
[54] **SEMIFLUORINATED ALKANE COMPOSITIONS**
[54] **COMPOSITIONS D'ALCANES SEMIFLUORES**
[72] GUNTHER, BERNHARD, DE
[72] PETTIGREW, ANTHONY, DE
[72] SCHERER, DIETER, CH
[73] NOVALIQ GMBH, DE
[86] (3142049)
[87] (3142049)
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[13] C
[51] **Int.Cl. B65D 47/34 (2006.01) B65D 47/20 (2006.01)**
[25] EN
[54] **PUMP ASSEMBLY AND CONTAINER WITH CONTENTS DISCHARGE FUNCTION**
[54] **ENSEMBLE POMPE ET RECIPIENT DOTE D'UNE FONCTION D'EVACUATION DE CONTENU**
[72] ZHU, WEI, CN
[73] NUBIZ PLASTIC (NANTONG) CO., LTD, CN
[85] 2021-11-30
[86] 2020-06-09 (PCT/CN2020/095126)
[87] (WO2020/253578)
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[51] **Int.Cl. B01D 46/69 (2022.01) B01D 46/66 (2022.01)**
[25] EN
[54] **BACKWASH SUCTION DEVICE OF FIBROUS FILTER**
[54] **DISPOSITIF D'ASPIRATION RINCAGE DE FILTRE FIBREUX**
[72] KUK, CHUNGCHANG, KR
[73] GRENEX LIMITED, KR
[86] (3144186)
[87] (3144186)
[22] 2021-12-29
[30] KR (10-2021-0098846) 2021-07-27

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[51] **Int.Cl. B01D 17/04 (2006.01) C10G 33/04 (2006.01)**
[25] EN
[54] **DEMULSIFYING ADDITIVE FOR SEPARATION OF OIL AND WATER**
[54] **ADDITIF DESEMULSIFIANT POUR LA SEPARATION D'HUILE ET D'EAU**
[72] MANGADLAO, JOEY D., US
[72] JAKUBOWSKI, WOJCIECH, US
[72] HORNE, BRUCE O., US
[72] FELIPE, MARY JANE, US
[72] RAMOS, JORGE, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[51] **Int.Cl. D21H 27/30 (2006.01) A47K 10/16 (2006.01) D21H 21/20 (2006.01)**
[25] EN
[54] **HIGH SOFTNESS, HIGH DURABILITY BATH TISSUE WITH TEMPORARY WET STRENGTH**
[54] **PAPIER HYGIENIQUE PRESENTANT UN NIVEAU ELEVE DE DURABILITE ET DE DOUCEUR ET UNE RESISTANCE TEMPORAIRE A L'HUMIDITE**
[72] MILLER, JOSEPH H., US
[72] SUMNICHT, DANIEL, US
[72] ORIARAN, T. PHILIPS, US
[72] SCHUH, BRIAN J., US
[72] RAMIREZ, ALBERTO J, US
[72] LEE, JEFFREY A., US
[73] GPCP IP HOLDINGS LLC, US
[86] (3145087)
[87] (3145087)
[22] 2012-07-23
[62] 3,098,839
[30] US (61/457,991) 2011-07-28
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[25] EN
[54] **MOVING PICTURE ENCODING METHOD AND MOVING PICTURE ENCODING APPARATUS**
[54] **METHODE DE CODAGE D'IMAGE MOBILE ET APPAREIL DE CODAGE D'IMAGE MOBILE**
[72] SUGIO, TOSHIYASU, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] MATSUNOBU, TORU, JP
[72] TERADA, KENGO, JP
[73] TAGIVAN II LLC, US
[86] (3148063)
[87] (3148063)
[22] 2012-11-01
[62] 3,056,874
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[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/176 (2014.01) H04W 88/02 (2009.01) H04N 19/503 (2014.01) G11B 7/0037 (2006.01) G11B 7/007 (2006.01) H04N 5/44 (2011.01)**
[25] EN
[54] **MOVING PICTURE DECODING METHOD AND MOVING PICTURE DECODING APPARATUS**
[54] **METHODE DE DECODAGE D'IMAGES ANIMEES ET APPAREIL DE DECODAGE D'IMAGES ANIMEES**
[72] SUGIO, TOSHIYASU, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] MATSUNOBU, TORU, JP
[72] TERADA, KENGO, JP
[73] TAGIVAN II LLC, US
[86] (3148065)
[87] (3148065)
[22] 2012-11-01
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[13] C
[51] **Int.Cl. A47J 31/40 (2006.01) B65D 25/08 (2006.01) B65D 41/04 (2006.01) B65D 43/02 (2006.01) B65D 47/36 (2006.01) B65D 51/28 (2006.01)**
[25] EN
[54] **BEVERAGE-INGREDIENT CARTRIDGE AND CAP FOR BEVERAGE-INGREDIENT CARTRIDGE**
[54] **CARTOUCHE D'INGREDIENTS DE BOISSON ET CAPUCHON DE CARTOUCHE D'INGREDIENTS DE BOISSON**
[72] BHAT, ADVAIT, US
[72] DESHPANDE, GIRISH NILKANTH, US
[72] RODRIGUEZ, MAXIMILIANO, US
[72] TANTANELLA, BENJAMIN JOSEPH, US
[72] TELESCA, BRUNO, US
[72] GRUBBS, NATHAN DANIEL, US
[72] KLENKE, RYAN ALAN, US
[73] PEPSICO, INC., US
[85] 2022-02-02
[86] 2020-08-07 (PCT/US2020/045370)
[87] (WO2021/030180)
[30] US (16/541,011) 2019-08-14

[11] **3,150,968**
[13] C
[51] **Int.Cl. H04B 3/54 (2006.01) G01C 21/18 (2006.01) G01D 21/02 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR MONITORING CIVIL AIR DEFENSE EQUIPMENT MAINTENANCE**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE DESTINES A LA MAINTENANCE D'UN DISPOSITIF DE DEFENSE AERIENNE CIVILE**
[72] GU, WEI, CN
[72] YAN, XIAOCHUN, CN
[72] XU, GENLIN, CN
[72] LI, CHENG, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-01-07
[86] 2020-06-24 (PCT/CN2020/097942)
[87] (WO2021/004276)
[30] CN (201910608185.7) 2019-07-08

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[51] **Int.Cl. B01J 20/20 (2006.01) B01D 53/04 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01) D01F 9/16 (2006.01) D06C 7/04 (2006.01) F02M 25/08 (2006.01) C01B 32/30 (2017.01)**
[25] EN
[54] **ACTIVATED CARBON FIBER SHEET FOR MOTOR VEHICLE CANISTER**
[54] **FEUILLE EN FIBRE DE CHARBON ACTIF POUR RESERVOIR D'AUTOMOBILE**
[72] IMAI, DAISUKE, JP
[72] WATANABE, YOSHIHIDE, JP
[72] TAKATA, YUU, JP
[72] OZAWA, SHUNSUKE, JP
[72] YOSHIDA, CHIE, JP
[73] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2022-02-18
[86] 2020-08-20 (PCT/JP2020/031503)
[87] (WO2021/033752)
[30] JP (2019-151378) 2019-08-21

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[51] **Int.Cl. C12M 1/42 (2006.01) C12Q 1/6844 (2018.01) C12Q 1/686 (2018.01) B01L 3/00 (2006.01) C12M 1/36 (2006.01) C12M 1/40 (2006.01)**
[25] EN
[54] **NANO-PCR: METHODS AND DEVICES FOR NUCLEIC ACID AMPLIFICATION AND DETECTION**
[54] **AMPLIFICATION PAR LA POLYMERASE A L'ECHELLE NANOMETRIQUE: PROCEDES ET DISPOSITIFS POUR L'AMPLIFICATION ET LA DETECTION D'ACIDES NUCLEIQUES**
[72] GOEL, ANITA, US
[73] NANOBIOSYM, INC., US
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[54] **BIOMARQUEURS DU CANCER DU POUMON ET UTILISATIONS CONNEXES**
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[72] STANTON, MARTY, US
[72] BRODY, EDWARD N., US
[72] OSTROFF, RACHEL M., US
[72] ZICHI, DOMINIC, US
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[54] **SOLID PASTE COMPOSITION FOR COOKING AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION DE PATE SOLIDE POUR LA CUISSON ET SON PROCEDE DE PRODUCTION**
[72] SUZUKI, MAKOTO, JP
[72] ENDO, KIYOSHI, JP
[72] TANGE, YUSUKE, JP
[72] HIBI, NARUHIRO, JP
[72] NAKAYAMA, TAKUYA, JP
[72] OGASAWARA, YASUSHI, JP
[72] KAWAMURA, YUKIKO, JP
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[72] PERSILLON, QUITTERIE, FR
[73] ARKEMA FRANCE, FR
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[73] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **PORTE-TETE ET ENSEMBLE CADRE**
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[73] SORREL QUARTERS, LLC, US
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[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
[73] POSEIDA THERAPEUTICS, INC., US
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[54] **UNITE D'ATOMISATION A COTON DE GUIDAGE DE LIQUIDE**
[72] CHEN, PING, CN
[73] SHENZHEN HUACHENGDA PRECISION INDUSTRY CO.LTD., CN
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[54] **COMMUTATEUR 12G-SDI A TRAITEMENT INTEGRE DE 3G-SDI QUAD-LINK**
[72] SIZEMORE, DONALD MARK, US
[72] RIGGS, JONATHAN TODD, US
[72] KANETA, SCOTT RAYMOND, US
[72] WILLIAMS, CHRISTOPHER JASON, US
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[72] DROBE, BJORN, SG
[73] ESSILOR INTERNATIONAL, FR
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[54] **TIGE D'ANCRAGE FLEXIBLE**
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[72] WEI, QUN, CN
[72] XIE, ZHENGZHENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[54] **SYSTEMS AND METHODS FOR AUGMENTATION OF SENSOR SYSTEMS AND IMAGING SYSTEMS WITH POLARIZATION**
[54] **SYSTEMES ET PROCEDES D'AUGMENTATION DE SYSTEMES DE CAPTEUR ET DE SYSTEMES D'IMAGERIE AVEC POLARISATION**
[72] KADAMBI, ACHUTA, US
[72] RASKAR, RAMESH, US
[72] VENKATARAMAN, KARTIK, US
[72] RAO, SUPREETH KRISHNA, US
[72] KALRA, AGASTYA, US
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[54] **PROCEDE DE TRAITEMENT DE DEPASSEMENT DE TEMPS DE REPONSE, SERVEUR, ET SYSTEME DE TRAITEMENT DE DEPASSEMENT DE TEMPS DE REPONSE DE CLIENT**
[72] ZHANG, MING, CN
[72] YE, GUOHUA, CN
[72] SI, XIAOBO, CN
[72] ZHOU, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **STRUCTURE DE CONNEXION DE LIGNE HAUTE FREQUENCE**
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[72] OZAKI, JOSUKE, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
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[54] **PROCEDE DE SYNTHESE**
[72] RANDS, PETER, GB
[72] KNIGHT, GEORGE, GB
[72] CHUBB, RICHARD, GB
[72] LONDESBROUGH, DEREK, GB
[72] BENWAY, TIFFANIE, GB
[72] JOEL, ZELAH, GB
[73] SMALL PHARMA LTD, GB
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[54] **ASYNCHRONOUS FRAC-TO-FRAC OPERATIONS FOR HYDROCARBON RECOVERY AND VALVE SYSTEMS**
[54] **OPERATIONS DE FRACTURATION-A-FRACTURATION ASYNCHRONES POUR SYSTEMES DE RECUPERATION D'HYDROCARBURES ET SOUPAPES**
[72] MACPHAIL, WARREN, CA
[72] POWELL, JESSE, CA
[72] WERRIES, MICHAEL, CA
[72] GILLIS, BROCK, CA
[73] NCS MULTISTAGE, INC., CA
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[54] **COMPOSITION DE POLYETHYLENE POUR FILAMENTS OU FIBRES**
[72] GALVAN, MONICA, IT
[72] PERDOMI, GIANNI, IT
[73] BASELL POLYOLEFINE GMBH, DE
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[54] **METHODE D'ACTIVATION DE SURFACE EN NANOPROFONDEUR D'UNE MEMBRANE A BASE DE POLYTETRAFLUORETHYLENE**
[72] LIU, JIANPING, CN
[72] XIANG, XIN, CN
[72] WU, JIANHUA, CN
[72] ZHU, YAWEI, CN
[72] ZHAO, JINGXIN, CN
[72] LI, WENWEI, CN
[72] SHUAI, ZHENGFENG, CN
[72] WU, HONG, CN
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[72] ZHAO, FANGLIANG, CN
[73] CHINA THREE GORGES CORPORATION, CN
[73] CHINA THREE GORGES RENEWABLES(GROUP)CO., LTD., CN
[73] NANJING HAOHUI HI TECH CO., LTD., CN
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[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES FOR BIOMARKER LOCALIZATION**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR LA LOCALISATION DE BIOMARQUEURS**
[72] DOGDAS, BELMA, US
[72] KANAN, CHRISTOPHER, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[73] PAIGE.AI, INC., US
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[54] **PROCEDE, APPAREIL ET PRODUIT-PROGRAMME D'ORDINATEUR POUR SELECTIONNER UN KIT DE PIECES QUI TRAVERSENT UNE INCLINAISON**
[72] HORTON, ROBERT, GB
[72] PRIOR, LEE, GB
[72] GASKIN, NATHAN, GB
[73] ISLAND MOBILITY LTD, GB
[85] 2022-05-30
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[54] **LAMPE FRONTALE A LARGE CHAMP DE VISION**
[72] BERTKEN, DENNIS, US
[73] IDEAPOND LLC, US
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[54] **SYSTEM AND TECHNIQUES FOR SECRET KEY TRANSFER IN BENEFIT DENIAL SYSTEM**
[54] **SYSTEME ET TECHNIQUES DE TRANSFERT DE CLE SECRETE DANS UN SYSTEME DE REFUS DE BENEFICE**
[72] SHEFFIELD, MASON E., US
[72] DOUGLAS, JONOTHON FREDERICK, US
[72] SISNEROS, PAUL MICHAEL, US
[73] LOWE'S COMPANIES, INC., US
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[54] **SYSTEME DE MOBILIER MODULAIRE**
[72] STYRC, JACEK, CA
[72] LYSIAK, SEBASTIAN, PL
[73] 2724889 ONTARIO INC., CA
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[54] **LIAISON DE CANAL DE COUCHE DE RESEAU**
[72] BUTEHORN, MATTHEW, US
[72] REGUNATHAN, MURALI, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
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[54] **TECHNIQUES DE DETECTION DE L'EXPLOITATION DE VULNERABILITES DE DISPOSITIFS MEDICAUX**
[72] GITELMAN, SHAKED, IL
[72] RAVID, TAL, IL
[73] ARMIS SECURITY LTD., IL
[85] 2022-08-08
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[54] **IMMUNOGENIC COMPOSITIONS COMPRISING CONJUGATED CAPSULAR SACCHARIDE ANTIGENS AND USES THEREOF**
[54] **COMPOSITIONS IMMUNOGENES COMPRENANT DES ANTIGENES SACCHARIDIQUES CAPSULAIRES CONJUGUES ET LEURS UTILISATIONS**
[72] COOPER, DAVID, US
[72] EMINI, EMILIO ANTHONY, US
[72] GU, JIANXIN, US
[72] HAN, MINGMING, US
[72] JANSEN, KATHRIN UTE, US
[72] KAINTHAN, RAJESH KUMAR, US
[72] KIM, JIN-HWAN, US
[72] PRASAD, AVVARI KRISHNA, US
[72] PRIDE, MICHAEL WILLIAM, US
[72] WATSON, WENDY JO, US
[72] YANG, YU-YING, US
[73] PFIZER INC., US
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[54] **PROCEDE ET APPAREIL DE RECUPERATION DE NUTRIMENTS DIMENSIONNES DES EAUX USEES PAR ELUTRIATION**
[72] LOBANOV, SERGEY, CA
[73] LOBANOV, SERGEY, CA
[85] 2022-09-01
[86] 2021-03-26 (PCT/CA2021/050395)
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[54] **EPISSURE DE TE PRINCIPAL A HAUTE RESISTANCE**
[72] ZHANG, HUI, US
[73] USG INTERIORS, LLC, US
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[54] **ENDOPROTHESE COUVERTE AYANT UN MARQUEUR RADIO-OPAQUE ET PROCEDES DE PRODUCTION**
[72] BURGMEIER, ROBERT, US
[72] LECY, CYAL, US
[73] C.R. BARD, INC., US
[85] 2022-08-25
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[54] **SMART DEVICE MONITORING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE DISPOSITIF INTELLIGENT**
[72] RONG, DUOJUN, CN
[73] 10353744 CANADA LTD., CA
[86] (3177668)
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[54] **FLUIDE DE FORAGE AYANT DES PROPRIETES AMELIOREES DE PERTE DE FLUIDE ET DE VISCOSIFICATION**
[72] FAVERO, CEDRICK, FR
[72] GIOVANNETI, BRUNO, FR
[72] RATEL, OLIVIER, FR
[72] CHEUCLE, PIERRICK, FR
[73] SNF GROUP, FR
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[25] EN
[54] **METHOD FOR PROPERTY FEATURE SEGMENTATION**
[54] **PROCEDE DE SEGMENTATION DE CARACTERISTIQUE DE PROPRIETE**
[72] RICHTER, FABIAN, US
[72] PORTAIL, MATTHIEU, US
[72] ERICKSON, JASON, US
[73] CAPE ANALYTICS, INC., US
[85] 2022-11-24
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[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE ADMINISTRATION OF HEARING TESTS**
[54] **SYSTEMES ET METHODES POUR L'ADMINISTRATION A DISTANCE DE TESTS AUDITIFS**
[72] SWETLITZ, GEORGE, US
[72] VESELY, BRIAN D., US
[72] LENARDON, MARTIN J., US
[72] OWENS, BRIAN E., US
[72] PETERSE, MATTHEW C., US
[73] SONOVA AG, CH
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[51] **Int.Cl. B62D 55/065 (2006.01) B62D 55/116 (2006.01)**
[25] EN
[54] **OSCILLATING TRACK SYSTEM**
[54] **SYSTEME DE PISTE OSCILLANT**
[72] OURADA, TIM, US
[73] TELETRAX EQUIPMENT, LLC, US
[85] 2023-01-17
[86] 2021-01-26 (PCT/US2021/015086)
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[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[73] CROWN EQUIPMENT CORPORATION, US
[86] (3187706)
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[25] FR
[54] **SYSTEM AND PROCESS FOR OPTIMIZING A SIMULATION TOOL**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION D'UN OUTIL DE SIMULATION**
[72] LEPAGE, ALAIN, CA
[72] VINCENT, PASCAL, CA
[73] SERVICES MAKILA INC., CA
[85] 2023-02-06
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[87] (3188740)

[11] **3,190,623**
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[51] **Int.Cl. B65D 5/66 (2006.01)**
[25] EN
[54] **RECLOSABLE FROZEN FOOD PACKAGING CASE**
[54] **BOITE D'EMBALLAGE D'ALIMENTS CONGELES REFERMABLE**
[72] RENK, ZACHARY, US
[72] TOSTENSON, TAL A., US
[73] GENERAL MILLS, INC., US
[85] 2023-01-31
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[25] EN
[54] **HIGH EXPANSION ANCHORING SYSTEM**
[54] **SYSTEME D'ANCRAGE A EXPANSION ELEVEE**
[72] MITCHELL, MICHAEL WILBERT, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2023-03-31
[86] 2021-10-08 (PCT/US2021/054161)
[87] (WO2022/093518)
[30] US (17/085,859) 2020-10-30

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[51] **Int.Cl. C25B 11/073 (2021.01) B01J 23/889 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) B01J 37/14 (2006.01)**
[25] EN
[54] **ANODE FOR ALKALINE WATER ELECTROLYSIS AND METHOD FOR PRODUCING SAME**
[54] **ANODE POUR L'ELECTROLYSE A L'EAU ALCALINE ET METHODE DE PRODUCTION CONNEXE**
[72] UCHIMOTO, YOSHIHARU, JP
[72] UCHIYAMA, TOMOKI, JP
[72] MITSUSHIMA, SHIGENORI, JP
[72] KURODA, YOSHIYUKI, JP
[72] NAGASAWA, KENSAKU, JP
[72] NISHIKI, YOSHINORI, JP
[73] KYOTO UNIVERSITY, JP
[73] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[73] DE NORA PERMELEC LTD, JP
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[86] 2021-10-14 (PCT/JP2021/038117)
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August 13, 2023 to August 19, 2023

Demandes canadiennes mises à la disponibilité du public

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[25] EN
[54] **BATTERY ENGINE**
[54] **MOTEUR A BATTERIE**
[72] GAO, JINFU, CA
[71] GAO, JINFU, CA
[22] 2022-02-14
[41] 2023-08-14

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[13] A1
[51] **Int.Cl. A61H 19/00 (2006.01) A61F 13/02 (2006.01) A61H 37/00 (2006.01)**
[25] EN
[54] **A PRODUCT FOR DELAYING EJACULATION DURING SEXUAL INTERCOURSE**
[54] **PRODUIT POUR RETARDER L'EJACULATION PENDANT LES RAPPORTS SEXUELS**
[72] HUSAIN, SYED, CA
[71] HUSAIN, SYED, CA
[22] 2022-02-15
[41] 2023-08-15

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[13] A1
[51] **Int.Cl. E04G 13/02 (2006.01) E04B 1/62 (2006.01) E04G 17/00 (2006.01)**
[25] EN
[54] **ENCLOSURE DEVICE FOR CONCRETE COLUMN FORMWORK**
[54] **DISPOSITIF D'ENCEINTE POUR UN COFFRAGE DE COLONNE DE BETON**
[72] LENTOWICH, ALEXANDER PAUL, CA
[72] HUNTER, RYAN BRAND, CA
[71] GNB GLOBAL INC., CA
[22] 2022-02-15
[41] 2023-08-15

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[13] A1
[51] **Int.Cl. E04B 1/34 (2006.01) E04B 1/16 (2006.01) E04B 1/98 (2006.01) E04C 1/39 (2006.01)**
[25] EN
[54] **PASSIVE MASS DAMPING BLOCKS ELEMENTS FOR SUPER-TALL STRUCTURES AND OTHER RELATED APPLICATIONS**
[54] **ELEMENTS DE BLOCS D'AMORTISSEMENT A MASSE PASSIVE POUR LES STRUCTURES SUPER HAUTES ET D'AUTRES APPLICATIONS CONNEXES**
[72] BERGMAN, GEORGE, CA
[71] BERGMAN, GEORGE, CA
[22] 2022-02-15
[41] 2023-08-15

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[13] A1
[51] **Int.Cl. G06Q 10/047 (2023.01) G06Q 10/30 (2023.01) B09B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMICALLY GENERATING COLLECTION ROUTES BASED ON PREDICTED ACCUMULATION OF INDUSTRIAL WASTE AND RECYCLABLES**
[54] **SYSTEME ET METHODE DE GENERATION DYNAMIQUE DE ROUTES DE COLLECTE EN FONCTION D'UNE ACCUMULATION PREVUE DE DECHETS ET DE MATIERES RECYCLABLES INDUSTRIELS**
[72] PAYETTE, DOMINIC, CA
[72] YUNAN, BASIL, CA
[72] GENDRON, PIERRE, CA
[72] DUMOULIN, CEDRIK, CA
[72] OUELLET, ALEXANDRE, CA
[72] LARIVEE, DAVID, CA
[72] NGOKO, PASCALIN, CA
[71] RPM ENVIRONNEMENT LTEE, CA
[22] 2022-02-15
[41] 2023-08-15

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[13] A1
[51] **Int.Cl. G16H 20/30 (2018.01) G16H 40/67 (2018.01) G16H 70/20 (2018.01) A61B 5/11 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **VIRTUAL REALITY BASED REHABILITATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE READAPTATION FONDEE SUR LA REALITE VIRTUELLE**
[72] RAVARI, FARZAD, CA
[72] RAVARI, FARNAZ, CA
[71] RAVARI, FARZAD, CA
[71] RAVARI, FARNAZ, CA
[22] 2022-02-15
[41] 2023-08-15

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[21] **3,149,066**
[13] A1
[51] **Int.Cl. B65B 43/26 (2006.01)**
[25] EN
[54] **BAG OPENING APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE D'OUVERTURE DE SAC**
[72] COOK, GARY, CA
[72] KROEKER, JOEL, CA
[71] COMMONWEALTH AUTOMATION TECHNOLOGIES INC., CA
[22] 2022-02-16
[41] 2023-08-16

[21] **3,149,074**
[13] A1
[51] **Int.Cl. A61L 9/16 (2006.01) B01J 8/02 (2006.01) B01J 19/08 (2006.01)**
[25] EN
[54] **PACKED BED NON THERMAL PLASMA PHOTOCATALYTIC AIR PURIFICATION SYSTEM**
[54] **SYSTEME D'EPURATION DE L'AIR A PHOTOCATALYSEUR PLASMIQUE NON THERMIQUE AVEC TOUR DE FILTRATION**
[72] JANSSEN, DANIEL, CA
[71] JANSSEN, DANIEL, CA
[22] 2022-02-16
[41] 2023-08-16

[21] **3,149,289**
[13] A1
[51] **Int.Cl. H01L 31/04 (2014.01) H01L 31/028 (2006.01)**
[25] EN
[54] **DIAMOND GAMMAVOLTAIC CELL**
[54] **PILE GAMMAVOLTAIQUE DE DIAMANT**
[72] MACKENZIE, GORDON ROBSON, GB
[72] SCOTT, THOMAS BLIGH, GB
[72] FOX, NEIL ANTHONY, GB
[72] HUTSON, CHRIS, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[22] 2022-02-17
[41] 2023-08-17

[21] **3,149,493**
[13] A1
[51] **Int.Cl. A62D 3/30 (2007.01)**
[25] EN
[54] **COMPOSITION FOR USE IN THE DESTRUCTION OF NAPHTENIC ACIDS**
[54] **COMPOSITION A UTILISER DANS L'ELIMINATION DES ACIDES NAPHTENIQUES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[71] FLUID ENERGY GROUP LTD., CA
[22] 2022-02-18
[41] 2023-08-18

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[13] A1
[51] **Int.Cl. C07C 29/74 (2006.01) C07C 29/94 (2006.01) C10L 10/00 (2006.01)**
[25] EN
[54] **RECYCLING OF ALCOHOL-BASED HAND SANITIZER COMPOSITIONS**
[54] **RECYCLAGE DE COMPOSITIONS DE DESINFECTANT POUR LES MAINS A BASE D'ALCOOL**
[72] ABDELFATAH, ELSAYED, CA
[72] WEISSENBERGER, MARKUS, CA
[71] FLUID ENERGY GROUP LTD., CA
[22] 2022-02-18
[41] 2023-08-18

[21] **3,149,503**
[13] A1
[51] **Int.Cl. B08B 9/04 (2006.01) B65D 90/00 (2006.01) F16L 55/28 (2006.01) F16L 55/46 (2006.01)**
[25] EN
[54] **VERTICAL PIPE CLEANING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE NETTOYAGE DE CONDUITE VERTICALE**
[72] LOPEZ, ELIAS, CA
[72] VALLEE, DAVE, CA
[72] GLASSFORD, WES, CA
[71] SANDBORN ROOFS INC., CA
[22] 2022-02-18
[41] 2023-08-18

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[13] A1
[51] **Int.Cl. F21K 9/64 (2016.01) F21V 29/503 (2015.01) F21V 29/70 (2015.01) F21K 9/23 (2016.01) F21K 9/232 (2016.01)**
[25] EN
[54] **LIGHT EMITTING DIODE**
[54] **DIODE ELECTROLUMINESCENTE**
[72] BARETZ, BRUCE, US
[71] BARETZ, BRUCE, US
[22] 2022-02-18
[41] 2023-08-18

[21] **3,149,701**
[13] A1
[51] **Int.Cl. F25C 3/00 (2006.01) E01H 4/00 (2006.01) F25C 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR RAPID ICE FORMATION ON LARGE SURFACES**
[54] **METHODE DE FORMATION DE GLACE RAPIDE SUR DE GRANDES SURFACES**
[72] TAILLEFER, ROBERT, CA
[71] CAPITAL PROPERTY GUARDIANS INC., CA
[22] 2022-02-18
[41] 2023-08-18

[21] **3,149,759**
[13] A1
[51] **Int.Cl. G06T 13/40 (2011.01)**
[25] EN
[54] **MACHINE LEARNING ACCELERATION OF COMPLEX DEFORMATIONS SUCH AS MUSCLE, SKIN AND CLOTHING SIMULATION**
[54] **ACCELERATION PAR APPRENTISSAGE AUTOMATIQUE DE DEFORMATIONS COMPLEXES, COMME LES SIMULATIONS RELATIVES AUX MUSCLES, A LA PEAU ET AUX VETEMENTS**
[72] MINOR, DAVID SEBASTIAN, CA
[71] DIGITAL DOMAIN VIRTUAL HUMAN (US), INC., US
[22] 2022-02-18
[41] 2023-08-18

[21] **3,153,720**
[13] A1
[51] **Int.Cl. B65G 1/00 (2006.01) B65D 19/00 (2006.01)**
[25] EN
[54] **PALLET STORAGE AND FLOW SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE RANGEMENT ET DE CIRCULATION DE PALETTES**
[72] IELLIMO, DOMENICK, US
[71] FRAZIER INDUSTRIAL COMPANY, US
[22] 2022-03-30
[41] 2023-08-17
[30] US (17/674,222) 2022-02-17

[21] **3,159,000**
[13] A1
[51] **Int.Cl. A47G 25/28 (2006.01)**
[25] EN
[54] **BENDABLE CLOTHES HANGER ASSEMBLY**
[54] **ASSEMBLAGE DE SUPPORT A VETEMENTS PLIABLE**
[72] DEBIASI, YVETTE, CA
[71] DEBIASI, YVETTE, CA
[22] 2022-05-10
[41] 2023-08-15
[30] US (17/671,856) 2022-02-15

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[51] **Int.Cl. E21B 10/573 (2006.01) E21B 10/62 (2006.01)**
[25] EN
[54] **METHOD OF INSTALLING CUTTERS ON A DRILL BIT**
[54] **METHODE D'INSTALLATION DE COUTEAUX SUR UN FORET**
[72] BAKKEN, GARY J., CA
[72] ZULAK, MIKE, CA
[71] BAKKEN, GARY J., CA
[71] ZULAK, MIKE, CA
[22] 2022-05-31
[41] 2023-08-18
[30] US (63/311,860) 2022-02-18

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[13] A1
[51] **Int.Cl. A01K 31/14 (2006.01)**
[25] EN
[54] **NEST BOX SYSTEM WITH MOVABLE NEST FLOOR AND FLOOR MOVEMENT MECHANISM WITH GEAR REDUCTION**
[54] **SYSTEME DE NICHOIR COMPRENANT UN PLANCHER MOBILE ET UN MECANISME DE DEPLACEMENT DU PLANCHER A DEMULTIPLICATION**
[72] LANGE, GUSTAV, CA
[72] KAISER, BENJAMIN, CA
[72] FIORINI, ENZO, CA
[72] KAISER, MARTIN, CA
[71] KAISER AG SOLUTIONS LTD., CA
[22] 2022-06-16
[41] 2023-08-17
[30] US (17/674,896) 2022-02-18
[30] CA (3,149,241) 2022-02-17

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[51] **Int.Cl. H04L 9/00 (2022.01) H04L 69/08 (2022.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **METHOD FOR SECURE DATA TRANSMISSION AND SYSTEM USING THE SAME**
[54] **METHODE DE TRANSMISSION DE DONNEES SECURISEE ET SYSTEME UTILISANT LA METHODE**
[72] CHAN, YUAN CHEN, TW
[72] HSU, PO-CHIH, TW
[72] TSAI, CHUN-HSIEN, TW
[71] BLACKBEAR (TAIWAN) INDUSTRIAL NETWORKING SECURITY LTD., TW
[22] 2022-06-21
[41] 2023-08-14
[30] US (63/309,646) 2022-02-14
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[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROCESSING REQUESTS USING LOAD-DEPENDENT THROTTLING**
[54] **METHODES ET SYSTEME POUR TRAITER DES DEMANDES AU MOYEN D'UNE FONCTION DE RALENTISSEMENT EN FONCTION DE LA CHARGE**
[72] MIC, ROBERT, CA
[72] MANERA, ALINE FATIMA, CA
[72] WILLARD, TIMOTHY, CA
[72] SIMONE, NICOLE, CA
[72] WEBER, SCOTT, CA
[71] SHOPIFY INC., CA
[22] 2022-07-29
[41] 2023-08-18
[30] US (17/675,093) 2022-02-18

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06N 20/00 (2019.01) G06V 10/75 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRAINING AND USING A MACHINE LEARNING MODEL FOR MATCHING OBJECTS**
[54] **SYSTEMES ET METHODES POUR ENTRAINER ET UTILISER UN MODELE D'APPRENTISSAGE AUTOMATIQUE POUR LA CORRESPONDANCE D'OBJETS**
[72] DUNAY, SHAKED, CA
[72] MALLOUL, ADAM, CA
[72] GURVICH, RONI, CA
[71] DONDE MOBILE R&D LTD., IL
[22] 2022-08-10
[41] 2023-08-16
[30] US (17/672,755) 2022-02-16

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[13] A1
[51] **Int.Cl. G01B 11/14 (2006.01) G01B 11/245 (2006.01) G01B 11/25 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL (3D) STRUCTURED LIGHT CAMERA BASED METHOD AND SYSTEM FOR MEASURING GAP OF VEHICLE BODY**
[54] **METHODE AXEE SUR L'UTILISATION D'UNE CAMERA TRIDIMENSIONNELLE A LUMIERE STRUCTUREE ET SYSTEME POUR MESURER UN ESPACE DANS UN CORPS DE VEHICULE**
[72] DENG, JUNJIE, CN
[72] LI, QING, CN
[71] SPEEDBOT ROBOTICS CO., LTD., CN
[22] 2022-08-23
[41] 2023-08-17
[30] CN (202210148097.5) 2022-02-17

[21] **3,176,504**
[13] A1
[51] **Int.Cl. G01G 19/02 (2006.01)**
[25] EN
[54] **TRUCK SCALE MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE GESTION DE BALANCE A CAMION**
[72] HONIG, BARRY SCOTT, US
[72] HONIG, BENJAMIN MARTIN, US
[71] TRUCKPAY INC., US
[22] 2022-09-26
[41] 2023-08-16
[30] US (17/673057) 2022-02-16

[21] **3,177,313**
[13] A1
[51] **Int.Cl. B60R 11/00 (2006.01)**
[25] EN
[54] **MODULAR KITCHEN MOUNTING APPARATUS**
[54] **APPAREIL DE MONTAGE DE CUISINE MODULAIRE**
[72] SALERNO, JONATHAN DAVID, US
[72] GILLETTE, STEPHEN, GB
[72] WALKER, DANIEL GEOFFREY, GB
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-09-28
[41] 2023-08-15
[30] US (63/310222) 2022-02-15
[30] US (17/866963) 2022-07-18

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[13] A1
[51] **Int.Cl. E04G 21/24 (2006.01) E04B 1/62 (2006.01)**
[25] EN
[54] **TEMPORARY BUILDING ENCLOSURE**
[54] **ENCEINTE DE BATIMENT TEMPORAIRE**
[72] MARSH, KYLE, CA
[71] MARSH, KYLE, CA
[22] 2022-10-04
[41] 2023-08-14
[30] US (63/267,945) 2022-02-14

[21] **3,183,618**
[13] A1
[51] **Int.Cl. A47B 31/02 (2006.01) A47J 37/07 (2006.01) F24C 15/30 (2006.01)**
[25] EN
[54] **DINING TABLE FOR HEATING A FOOD PORTION**
[54] **TABLE A MANGER POUR CHAUFFER UNE PORTION D'ALIMENTS**
[72] KATHRINER, RETO, CH
[72] BRACHMANN, GABRIELE, DE
[71] BRACHMANN, GABRIELE, DE
[22] 2022-11-23
[41] 2023-08-15
[30] EP (22 156 780.3) 2022-02-15

[21] **3,184,636**
[13] A1
[51] **Int.Cl. F21S 41/657 (2018.01) F21S 41/20 (2018.01) F21S 41/50 (2018.01) B60Q 1/04 (2006.01) B62J 6/02 (2020.01) B62D 55/07 (2006.01)**
[25] EN
[54] **HEADLIGHT ASSEMBLY**
[54] **ASSEMBLAGE DE PHARE AVANT**
[72] HALVORSON, ERICK, US
[71] ARCTIC CAT INC., US
[22] 2022-12-28
[41] 2023-08-15
[30] US (17/900,768) 2022-08-31
[30] US (63/310,232) 2022-02-15

[21] **3,184,871**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) B60R 19/02 (2006.01) B62J 17/08 (2020.01) B62M 27/02 (2006.01)**
[25] EN
[54] **HOOD ASSEMBLY FOR SNOWMOBILE**
[54] **ASSEMBLAGE DE CAPOT DE MOTONEIGE**
[72] JORGENSON, KRISTOPHER, US
[72] JACOBSON, DARIN, US
[72] HALVORSON, ERICK, US
[72] BLOMKER, NATHAN, US
[72] PURCELL, LUCAS, US
[72] LANGAAS, BENJAMIN, US
[72] VIGEN, DAVID, US
[71] ARCTIC CAT INC., US
[22] 2022-12-15
[41] 2023-08-15
[30] US (17/983,968) 2022-11-09
[30] US (17/984,050) 2022-11-09
[30] US (63/310,232) 2022-02-15
[30] US (63/344,165) 2022-05-20
[30] US (63/404,167) 2022-09-06
[30] US (63/404,171) 2022-09-06

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[13] A1
[51] **Int.Cl. G06F 8/65 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SOFTWARE UPDATE IN AIRCRAFT**
[54] **SYSTEME ET METHODE POUR LA MISE A JOUR DE LOGICIEL DANS UN AERONEF**
[72] BERDAH, DANIELE, CA
[72] MOOD, JAMES, US
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-01-12
[41] 2023-08-15
[30] US (17/672,454) 2022-02-15

[21] **3,186,780**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) E01H 5/07 (2006.01) E01H 5/08 (2006.01)**
[25] EN
[54] **MOVABLE BACK DRAG BLADE FOR SNOW BLOWER**
[54] **LAME ARRIERE MOBILE TRAINEE POUR SOUFFLEUSE A NEIGE**
[72] SWIONTEK, JASON, US
[72] PERKINS, JUSTIN, US
[71] PALADIN BRANDS GROUP, INC., US
[22] 2023-01-18
[41] 2023-08-16
[30] US (17/672,898) 2022-02-16

[21] **3,187,004**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR LINKING TRANSACTION DEVICES**
[54] **SYSTEMES ET METHODES DE LIAISON DE DISPOSITIFS DE TRANSACTION**
[72] MANTONI, ROBERT, US
[72] CASTELLAR, JOSE CATALA, US
[72] VUKICH, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2023-01-17
[41] 2023-08-15
[30] US (17/671,978) 2022-02-15

[21] **3,187,038**
[13] A1
[51] **Int.Cl. A47J 44/00 (2006.01) A47J 43/046 (2006.01) A47J 43/07 (2006.01)**
[25] FR
[54] **WORK BOWL ASSEMBLY FOR A FOOD PREPARATION APPLIANCE**
[54] **ENSEMBLE DE CUVE DE TRAVAIL POUR UN APPAREIL DE PREPARATION CULINAIRE**
[72] ALLEMAND, BERNARD, FR
[71] SEB S.A., FR
[22] 2023-01-17
[41] 2023-08-14
[30] FR (FR2201285) 2022-02-14

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[13] A1
[51] **Int.Cl. B64C 25/22 (2006.01) B64C 25/18 (2006.01)**
[25] EN
[54] **COUNTERBALANCED RETRACT ACTUATOR FOR LANDING GEAR**
[54] **ACTIONNEUR DE RENTREE CONTREPESE POUR UN TRAIN D'ATTERRISSAGE**
[72] ALLEN, JASON BRADLEY, US
[71] GOODRICH CORPORATION, US
[22] 2023-01-18
[41] 2023-08-16
[30] US (17/673,521) 2022-02-16

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B64D 27/24 (2006.01) B64D 41/00 (2006.01) H02M 7/66 (2006.01) H02P 27/00 (2006.01)**
[25] EN
[54] **ADAPTIVE BATTERY CHARGING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE RECHARGE DE BATTERIE ADAPTATIVE**
[72] LACAUX, FREDERIC, US
[72] SOLODOVNIK, EUGENE, US
[72] KHOZIKOV, VYACHESLAV, US
[72] TRELA, JOHN ANTHONY, US
[72] KARIMI, KAMIAR JAHANBAKHSH, US
[72] LIU, SHENGYI, US
[71] THE BOEING COMPANY, US
[22] 2023-01-19
[41] 2023-08-16
[30] US (17/651359) 2022-02-16

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[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01) G06T 7/277 (2017.01) G06T 7/70 (2017.01) G06V 10/764 (2022.01) G06V 10/98 (2022.01) G06V 20/10 (2022.01) A01B 76/00 (2006.01) G06N 3/08 (2023.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **MACHINE VISION PLANT TRACKING SYSTEM FOR PRECISION AGRICULTURE**
[54] **SYSTEME DE SUIVI DES PLANTES PAR VISIONIQUE POUR L'AGRICULTURE DE PRECISION**
[72] GRANT, DAVID, US
[72] SNYDER, STEVEN T., US
[72] ANTLE, JEFFREY L., US
[71] STOUT INDUSTRIAL TECHNOLOGY, INC., US
[22] 2023-01-23
[41] 2023-08-15
[30] US (17/672,647) 2022-02-15

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[21] **3,187,575**
[13] A1
[25] EN
[54] **INFORMATION PROCESSING DEVICE AND VEHICLE SYSTEM**
[54] **DISPOSITIF DE TRAITEMENT DES RENSEIGNEMENTS ET SYSTEME DE VEHICULE**
[72] NONAKA, RYOGO, JP
[72] OTA, HIRONA, JP
[72] TATSUMOTO, YUKI, JP
[72] YUKOMORI, TSUNEHIRO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2023-01-25
[41] 2023-08-15
[30] JP (2022-021642) 2022-02-15

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[13] A1
[51] **Int.Cl. C25B 1/042 (2021.01) C25B 1/50 (2021.01) B01D 1/00 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **HYDROGEN PRODUCTION SYSTEM AND HYDROGEN PRODUCTION METHOD**
[54] **SYSTEME ET METHODE DE PRODUCTION D'HYDROGENE**
[72] INUZUKA, RIKO, JP
[72] TSUKADA, YUKA, JP
[72] SUZUKI, YASUKE, JP
[72] MATSUMOTO, JYUNPEI, JP
[72] OSADA, NORIKAZU, JP
[72] FUJITA, KOSHITO, JP
[72] MIYAMOTO, SHINYA, JP
[72] YAMASHITA, YU, JP
[72] TSUCHIYA, NAOMI, JP
[72] TAJIMA, AYAKA, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[22] 2023-01-26
[41] 2023-08-14
[30] JP (2022-020625) 2022-02-14

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[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) F16H 57/021 (2012.01) F16H 57/025 (2012.01)**
[25] EN
[54] **CLUTCH GUARD WITH INTEGRATED TORQUE CONTROL LINK**
[54] **PROTEGE-EMBRAYAGE COMPRENANT UNE BIELLETTE DE COMMANDE DE COUPLE INTEGREE**
[72] LANGAAS, BENJAMIN TAYLOR, US
[72] JOHNSON, IRA L., US
[72] MAMMEN, JEREMY J., US
[72] SORENSON, DEREK, US
[72] VIGEN, DAVID, US
[71] ARCTIC CAT INC., US
[22] 2023-01-31
[41] 2023-08-16
[30] US (63/310,951) 2022-02-16
[30] US (63/404,822) 2022-09-08

[21] **3,188,174**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01)**
[25] EN
[54] **SNOWMOBILE FRAME**
[54] **CHASSIS DE MOTONEIGE**
[72] VIGEN, DAVID, US
[72] MACDONALD, TODD, CA
[72] LANGASS, BENJAMIN TAYLOR, US
[72] MOLDASCHEL, MARCUS, US
[72] SANDOZ, SAMUEL J., US
[72] CROSBY, JACOB TYLER, US
[72] BEAVIS, ANDREW, US
[71] ARCTIC CAT INC., US
[22] 2023-01-31
[41] 2023-08-15
[30] US (63/310,264) 2022-02-15
[30] US (63/310,983) 2022-02-16
[30] US (63/344,165) 2022-05-20
[30] US (63/400,056) 2022-08-23
[30] US (63/402,768) 2022-08-31
[30] US (63/404,171) 2022-09-06
[30] US (63/404,617) 2022-09-08
[30] US (63/404,731) 2022-09-08
[30] US (63/405,121) 2022-09-09
[30] US (63/405,033) 2022-09-09
[30] US (63/405,016) 2022-09-09
[30] US (63/405,176) 2022-09-09
[30] US (63/404,992) 2022-09-09
[30] US (63/434,382) 2022-12-21
[30] US (18/090,074) 2022-12-28

[21] **3,188,200**
[13] A1
[51] **Int.Cl. B60K 11/04 (2006.01) B62D 55/00 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **RECREATIONAL VEHICLE HEAT EXCHANGER END CAPS AND ASSEMBLY**
[54] **BOUCHONS DE PROTECTION D'ECHANGEUR DE CHALEUR DE VEHICULE RECREATIF ET ASSEMBLAGE**
[72] VIGEN, DAVID, US
[72] MACDONALD, TODD, CA
[71] ARCTIC CAT INC., US
[22] 2023-01-31
[41] 2023-08-15
[30] US (63/310,264) 2022-02-15
[30] US (63/310,983) 2022-02-16
[30] US (63/344,165) 2022-05-20
[30] US (63/400,056) 2022-08-23
[30] US (63/402,768) 2022-08-31
[30] US (63/404,171) 2022-09-06
[30] US (63/404,617) 2022-09-08
[30] US (63/404,731) 2022-09-08
[30] US (63/405,121) 2022-09-09
[30] US (63/405,033) 2022-09-09
[30] US (63/405,016) 2022-09-09
[30] US (63/405,176) 2022-09-09
[30] US (63/404,992) 2022-09-09
[30] US (63/434,382) 2022-12-21
[30] US (18/090,074) 2022-12-28
[30] US (63/435,879) 2022-12-29
[30] US (63/435,986) 2022-12-29

[21] **3,188,228**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) B62D 55/32 (2006.01)**
[25] EN
[54] **SNOW VEHICLE**
[54] **VEHICULE DE CIRCULATION SUR LA NEIGE**
[72] VIGEN, DAVID, US
[72] LANGAAS, BENJAMIN TAYLOR, US
[72] MOLDASCHEL, MARCUS, US
[72] BLOMKER, NATHAN LEE, US
[72] CROSBY, JACOB TYLER, US
[72] JORGENSON, KRISTOPHER JON, US
[72] HALVORSON, ERICK JOHN, US
[72] JACOBSON, DARIN DWAYNE, US
[72] MERCURE, BENJAMIN, US
[72] ERICKSON, PEDER, US
[72] MACDONALD, TODD, CA
[71] ARCTIC CAT INC., US
[22] 2023-01-31
[41] 2023-08-15
[30] US (63/310,264) 2022-02-15
[30] US (63/310,254) 2022-02-15
[30] US (63/310,951) 2022-02-16
[30] US (63/310,983) 2022-02-16
[30] US (63/344,165) 2022-05-20
[30] US (63/400,056) 2022-08-23
[30] US (63/402,768) 2022-08-31
[30] US (63/404,171) 2022-09-06
[30] US (63/404,856) 2022-09-08
[30] US (63/404,822) 2022-09-08
[30] US (63/404,617) 2022-09-08
[30] US (63/404,731) 2022-09-08
[30] US (63/405,121) 2022-09-09
[30] US (63/405,033) 2022-09-09
[30] US (63/405,016) 2022-09-09
[30] US (63/405,176) 2022-09-09
[30] US (63/404,992) 2022-09-09
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[13] A1
[51] **Int.Cl. B64C 25/18 (2006.01) F15B 15/06 (2006.01)**
[25] EN
[54] **COMPACT AIRCRAFT ACTUATOR SYSTEM**
[54] **SYSTEME D'ACTIONNEUR D'AERONEF COMPACT**
[72] ALLEN, JASON BRADLEY, US
[71] GOODRICH CORPORATION, US
[22] 2023-02-02
[41] 2023-08-18
[30] US (17/675,789) 2022-02-18

[21] **3,188,310**
[13] A1
[51] **Int.Cl. F28F 1/00 (2006.01) F28F 9/02 (2006.01) F28F 9/26 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER MODULE, METHOD FOR MANUFACTURING SUCH A MODULE AND TUBULAR HEAT EXCHANGER COMPRISING SUCH MODULES**
[54] **MODULE D'ECHANGEUR DE CHALEUR, METHODE POUR LA FABRICATION D'UN TEL MODULE ET ECHANGEUR DE CHALEUR TUBULAIRE COMPRENANT DE TELS MODULES**
[72] DE VOS, YVES, BE
[72] TAMSIN, KRISTOF, BE
[71] BOSAL FLANDERS NV, BE
[22] 2023-02-02
[41] 2023-08-17
[30] EP (22157167.2) 2022-02-17

[21] **3,188,792**
[13] A1
[51] **Int.Cl. B60N 2/24 (2006.01) B60N 2/40 (2006.01)**
[25] EN
[54] **REMOVABLE SEAT ASSEMBLY**
[54] **ASSEMBLAGE DE SIEGE AMOVIBLE**
[72] SIBILLEAU, GUY L., US
[72] RESSLER, CHRISTIAN, US
[71] ARCTIC CAT INC., US
[22] 2023-02-07
[41] 2023-08-16
[30] US (63/310,983) 2022-02-16
[30] US (63/350,553) 2022-06-09
[30] US (63/404,682) 2022-09-08
[30] US (63/404,655) 2022-09-08

[21] **3,188,799**
[13] A1
[51] **Int.Cl. B60B 35/00 (2006.01) B60B 27/00 (2006.01) B60G 7/00 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **RECREATIONAL VEHICLE SPINDLE**
[54] **FUSEE DE VEHICULE RECREATIF**
[72] MOLDASCHEL, MARCUS, US
[72] LANGAAS, BENJAMIN TAYLOR, US
[72] BLOMKER, NATHAN LEE, US
[72] JANZOW, STEVEN, US
[72] SIBILLEAU, GUY L., US
[71] ARCTIC CAT INC., US
[22] 2023-02-07
[41] 2023-08-15
[30] US (63/310,254) 2022-02-15
[30] US (63/404,856) 2022-09-08
[30] US (63/423,288) 2022-11-07

[21] **3,188,824**
[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) F01M 11/02 (2006.01) F16H 1/28 (2006.01) F16H 57/04 (2010.01) F16N 1/00 (2006.01)**
[25] EN
[54] **EPICYCLIC GEAR TRAIN OF AIRCRAFT POWERPLANT**
[54] **TRAIN D'ENGRENAGES EPICYCLOIDAUX D'UN GROUPE MOTOPROPULSEUR D'AERONEF**
[72] DESJARDINS, MICHEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-02-07
[41] 2023-08-16
[30] US (17/673,251) 2022-02-16

[21] **3,188,950**
[13] A1
[51] **Int.Cl. E05F 15/60 (2015.01) E05F 15/695 (2015.01) E05F 15/77 (2015.01)**
[25] EN
[54] **MULTI-FUNCTION BUTTON OPERATION IN A MOVEABLE BARRIER OPERATOR SYSTEM**
[54] **OPERATION D'UN BOUTON POLYVALENT DANS UN SYSTEME D'EXPLOITATION D'UNE BARRIERE MOBILE**
[72] JONES, JOSHUA S., US
[72] THOMAS, ROBERT E., US
[72] CONNARE, WALTER J., US
[71] GMI HOLDINGS, INC., US
[22] 2023-02-08
[41] 2023-08-16
[30] US (17/673,616) 2022-02-16

[21] **3,188,961**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) B60N 2/04 (2006.01) B60N 2/38 (2006.01) B60N 2/40 (2006.01) B60N 2/68 (2006.01) B62J 1/00 (2006.01) B62J 1/08 (2006.01)**
[25] EN
[54] **SEAT ASSEMBLY, AND METHODS OF MAKING AND USING THEREOF**
[54] **ASSEMBLAGE DE SIEGE ET METHODES DE FABRICATION ET D'UTILISATION**
[72] JANZOW, STEVEN, US
[72] JORGENSON, KRISTOPHER JON, US
[72] HALVORSON, ERICK JOHN, US
[72] JACOBSON, DARIN DWAYNE, US
[72] BLOMKER, NATHAN LEE, US
[71] ARCTIC CAT INC., US
[22] 2023-02-08
[41] 2023-08-16
[30] US (63/310,983) 2022-02-16
[30] US (63/350,553) 2022-06-09
[30] US (63/404,682) 2022-09-08

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[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01)**
[25] EN
[54] **ACCESSORY ATTACHMENT SYSTEM**
[54] **SYSTEME DE FIXATION D'ACCESSOIRE**
[72] MOLDASCHEL, MARCUS, US
[72] VIGEN, DAVID, US
[72] EFTA, DAYNE, US
[71] ARCTIC CAT INC., US
[22] 2023-02-08
[41] 2023-08-15
[30] US (63/310,264) 2022-02-15

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[21] **3,188,971**
[13] A1
[51] **Int.Cl. B60G 7/00 (2006.01) B60B 27/00 (2006.01) B60B 35/00 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **SPINDLE FOR A RECREATIONAL VEHICLE**
[54] **FUSEE POUR VEHICULE RECREATIF**
[72] CROSBY, JACOB TYLER, US
[72] BLOMKER, NATHAN LEE, US
[71] ARCTIC CAT INC., US
[22] 2023-02-08
[41] 2023-08-15
[30] US (63/310,276) 2022-02-15
[30] US (63/404,841) 2022-09-08

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[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 7/00 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **ADAPTIVE KNOWLEDGE-BASED ENERGY MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE GESTION D'ENERGIE AXES SUR LES CONNAISSANCES ADAPTATIVES**
[72] DAS, DEBASMITA, IN
[72] BALASUBRAMANIAN, PRANAVAMOORTHY, IN
[72] FU, QIANG, US
[72] BAONE, CHAITANYA, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-02-09
[41] 2023-08-14
[30] US (17/670957) 2022-02-14

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[21] **3,189,090**
[13] A1
[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 50/06 (2012.01) G06Q 10/0631 (2023.01)**
[25] EN
[54] **ENGINE SYSTEM AND METHODS FOR DISPATCHING AND CONTROLLING DISTRIBUTED ENERGY RESOURCES**
[54] **SYSTEME MOTEUR ET METHODES DE REPARTITION ET DE CONTROLE DE RESSOURCES D'ENERGIE DISTRIBUEES**
[72] DAS, DEBASMITA, IN
[72] BALASUBRAMANIAN, PRANAVAMOORTHY, IN
[72] FU, QIANG, US
[72] BAONE, CHAITANYA, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-02-09
[41] 2023-08-15
[30] US (17/672206) 2022-02-15

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[13] A1
[51] **Int.Cl. B60L 15/20 (2006.01) B60L 50/60 (2019.01) B62D 55/07 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE**
[54] **VEHICULE ELECTRIQUE**
[72] CONNORS, SHAWN, CA
[72] LARSEN, CYRUS, CA
[72] HALL, DANIEL, CA
[72] PETITCLERC-DEMERS, CHRISTOPHE, CA
[72] BRUNEAU, SAMUEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2023-02-09
[41] 2023-08-14
[30] US (63/309,773) 2022-02-14

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[21] **3,189,204**
[13] A1
[51] **Int.Cl. A42B 3/10 (2006.01)**
[25] EN
[54] **HELMET LINER ASSEMBLY**
[54] **ASSEMBLAGE DE COIFFE DE CASQUE**
[72] RENE-LAFOREST, FREDERIC, CA
[72] LEVESQUE, JEAN-SIMON, CA
[71] KIMPEX INC., CA
[22] 2023-02-10
[41] 2023-08-17
[30] US (63/268.151) 2022-02-17

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[21] **3,189,211**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] LEE, DAVID SCOTT, CA
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-10
[41] 2023-08-16
[30] US (63/310,610) 2022-02-16

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[21] **3,189,298**
[13] A1
[51] **Int.Cl. G05D 23/19 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN ELECTRIC MACHINE**
[54] **SYSTEMES ET METHODES POUR UNE MACHINE ELECTRIQUE**
[72] ROBINSON, ANDREW B., US
[71] CATERPILLAR, INC., US
[22] 2023-02-11
[41] 2023-08-17
[30] US (17/674,497) 2022-02-17

[21] **3,189,306**
[13] A1
[51] **Int.Cl. G06Q 10/20 (2023.01)**
[25] EN
[54] **DIGITAL PLATFORM BASED MULTIFACETED RISK ASSESSMENT FOR EXTENSION OF TURBOMACHINERY SERVICE INTERVALS**
[54] **EVALUATION DES RISQUES MULTIFACETTE SUR PLATEFORME NUMERIQUE POUR LA PROLONGATION DES INTERVALLES DE SERVICE DE TURBOMACHINE**
[72] LINDNER, SCOTT M., US
[72] JONES TSUJI, LINDSAY, US
[72] HARVEY, MATTHEW P., US
[72] STEIN, BRANDON W., US
[72] PALMER, CHAD V., US
[71] SOLAR TURBINES INCORPORATED, US
[71] MURGIA, FABRICE M., US
[22] 2023-02-11
[41] 2023-08-17
[30] US (17/674,771) 2022-02-17

[21] **3,189,332**
[13] A1
[25] EN
[54] **ACCESS CONTROL FLUX SYSTEM**
[54] **SYSTEME DE FLUX DE CONTROLE D'ACCES**
[72] CRISTACHE, LUCIAN, US
[71] LUCOMM TECHNOLOGIES, INC., US
[22] 2023-02-10
[41] 2023-08-14
[30] US (17/671083) 2022-02-14

[21] **3,189,368**
[13] A1
[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 8/0208 (2016.01) H01M 8/0228 (2016.01) H01M 8/0232 (2016.01) H01M 8/0245 (2016.01) H01M 8/2432 (2016.01) B22F 3/12 (2006.01)**
[25] EN
[54] **FUEL CELL INTERCONNECT ALLOYED WITH TRANSITION METAL ELEMENT AND METHOD OF MAKING THEREOF**
[54] **INTERCONNEXION DE PILE A COMBUSTIBLE EN ALLIAGE AVEC UN ELEMENT METALLIQUE DE TRANSITION ET METHODE DE FABRICATION**
[72] RADHAKRISHNAN, VIJAY, US
[72] ARMSTRONG, TAD, US
[72] PREMKUMAR, MOSUR K., US
[71] BLOOM ENERGY CORPORATION, US
[22] 2023-02-10
[41] 2023-08-18
[30] IN (202241008702) 2022-02-18

[21] **3,189,371**
[13] A1
[51] **Int.Cl. G06Q 30/01 (2023.01) G06N 20/00 (2019.01) G06F 40/35 (2020.01)**
[25] EN
[54] **HYBRID MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING ANALYSIS FOR CUSTOMIZED INTERACTIONS**
[54] **ANALYSE D'APPRENTISSAGE AUTOMATIQUE ET DE TRAITEMENT DES LANGUES NATURELLES HYBRIDE POUR DES INTERACTIONS PERSONNALISEES**
[72] LIMAYE, MANISH, US
[72] PETEE, MAIA, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-02-13
[41] 2023-08-14
[30] US (17/671,276) 2022-02-14

[21] **3,189,437**
[13] A1
[51] **Int.Cl. A42B 1/0184 (2021.01) A42B 1/04 (2021.01)**
[25] EN
[54] **GARMENT INTEGRATING FACE PROTECTION**
[54] **VETEMENT INTEGRANT LA PROTECTION DU VISAGE**
[72] KHOSHABA, ASHUR, CA
[71] KHOSHABA, ASHUR, CA
[22] 2023-02-13
[41] 2023-08-16
[30] US (63310899) 2022-02-16

[21] **3,189,447**
[13] A1
[51] **Int.Cl. B29C 45/14 (2006.01) A47B 91/06 (2006.01) B22C 9/22 (2006.01) B22D 17/24 (2006.01) B22D 25/02 (2006.01)**
[25] EN
[54] **SWIVEL GLIDE SYSTEM**
[54] **SYSTEME DE PATIN A EMERILLON**
[72] HUI, MAN F., US
[71] VIRCO MFG. CORPORATION, US
[22] 2023-02-13
[41] 2023-08-15
[30] US (63/268,054) 2022-02-15

[21] **3,189,477**
[13] A1
[51] **Int.Cl. G05B 19/19 (2006.01) G05B 19/401 (2006.01) G05B 19/402 (2006.01) G05B 19/404 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINING A COMPONENT**
[54] **SYSTEME ET METHODE D'USINAGE D'UN COMPOSANT**
[72] GUIASSA, RACHID, CA
[72] RAHMAN, MIZANUR, CA
[72] LAFRENIERE, PIERRE-ALEXANDRE, CA
[72] PERRON, MARTIN, CA
[72] SAUVE, LUC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-02-13
[41] 2023-08-18
[30] US (17/675,774) 2022-02-18

[21] **3,189,485**
[13] A1
[51] **Int.Cl. C09K 5/10 (2006.01) C08G 63/16 (2006.01) C08K 5/101 (2006.01) C08K 5/11 (2006.01) C08K 5/12 (2006.01) C08K 5/521 (2006.01)**
[25] EN
[54] **FLUID, SYSTEM AND METHOD FOR IMMERSION COOLING OBJECTS HAVING PLASTICIZED SURFACES**
[54] **FLUIDE, SYSTEME ET METHODE POUR LE REFROIDISSEMENT PAR IMMERSION D'OBJETS COMPRENANT DES SURFACES PLASTIQUES**
[72] MESHER, SHAUN, CA
[71] ADVANCING CHEMISTRY INC., CA
[22] 2023-02-13
[41] 2023-08-14
[30] US (63/309,870) 2022-02-14

[21] **3,189,489**
[13] A1
[51] **Int.Cl. H01Q 19/28 (2006.01) H01Q 1/12 (2006.01)**
[25] EN
[54] **ANTENNA DEVICE**
[54] **DISPOSITIF D'ANTENNE**
[72] TAKAYAMA, YUKI, JP
[71] YOKOWO CO., LTD., JP
[22] 2023-02-13
[41] 2023-08-17
[30] JP (2022-022766) 2022-02-17

[21] **3,189,539**
[13] A1
[51] **Int.Cl. A42B 3/22 (2006.01) A42B 3/04 (2006.01)**
[25] EN
[54] **VISOR ASSEMBLY WITH UNIQUE PLATE**
[54] **ASSEMBLAGE DE VISIERE AVEC PLAQUE UNIQUE**
[72] LEVESQUE, JEAN-SIMON, CA
[72] RENE-LAFOREST, FREDERIC, CA
[72] BLOUIN, CHARLES, CA
[72] DION, STEPHANE, CA
[72] PAGES, PHILIPPE, CA
[71] KIMPEX INC., CA
[22] 2023-02-13
[41] 2023-08-17
[30] US (63/268,146) 2022-02-17

[21] **3,189,549**
[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01) E04B 2/32 (2006.01) E04C 1/39 (2006.01) E04H 17/16 (2006.01) F16M 13/02 (2006.01) F16S 1/02 (2006.01) F16S 1/14 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **PANELS FOR OUTDOOR STRUCTURES**
[54] **PANNEAUX POUR STRUCTURES EXTERIEURES**
[72] PRIZZI, GIUSEPPE, CA
[72] VENAFRO, MARCELLO, CA
[71] 2840629 ONTARIO INC., CA
[22] 2023-02-10
[41] 2023-08-15
[30] US (63/310,568) 2022-02-15

[21] **3,189,569**
[13] A1
[51] **Int.Cl. B60S 1/50 (2006.01) B65D 47/00 (2006.01) B65D 51/24 (2006.01) B67C 11/00 (2006.01)**
[25] EN
[54] **FUNNEL FOR LONG TERM ATTACHMENT TO A FLUID RESERVOIR**
[54] **ENTONNOIR POUR LA FIXATION A LONG TERME A UN RESERVOIR DE LIQUIDE**
[72] TYGESEN, ARLETT, CA
[71] TYGESEN, ARLETT, CA
[22] 2023-02-14
[41] 2023-08-15
[30] US (63310255) 2022-02-15

[21] **3,189,576**
[13] A1
[25] EN
[54] **INTEGRATING REQUESTS ACROSS DIFFERENT ONLINE APPLICATIONS**
[54] **INTEGRATION DE DEMANDES DANS DIFFERENTES APPLICATIONS EN LIGNE**
[72] JIVAN, MALATHI, US
[72] FOUST, ERIC, US
[72] VAREJAO, GUSTAVO, US
[71] OBEP PAYMENTS, LLC, US
[22] 2023-02-14
[41] 2023-08-14
[30] US (63/309,976) 2022-02-14

[21] **3,189,578**
[13] A1
[51] **Int.Cl. A42B 3/24 (2006.01) A42B 3/22 (2006.01)**
[25] EN
[54] **CONNECTOR FOR ELECTRICAL VISOR AND A VISOR ASSEMBLY AND A HELMET HAVING THE SAME**
[54] **CONNECTEUR POUR VISIERE ELECTRIQUE, ASSEMBLAGE DE VISIERE ET CASQUE LES COMPRENANT**
[72] RENE-LAFOREST, FREDERIC, CA
[72] L'HERAULT, PATRICK, CA
[72] DION, STEPHANE, CA
[72] LEVESQUE, JEAN-SIMON, CA
[71] KIMPEX INC., CA
[22] 2023-02-10
[41] 2023-08-17
[30] US (63/268,149) 2022-02-17

[21] **3,189,580**
[13] A1
[51] **Int.Cl. E04B 1/41 (2006.01) E06B 9/56 (2006.01) E06B 9/58 (2006.01)**
[25] EN
[54] **IMPROVED CONSTRUCTION TIE FOR SECURING U-CHANNELS VERTICALLY IN COLUMNS**
[54] **ENTRAIT DE CONSTRUCTION AMELIORE POUR LA FIXATION DES CANAUX EN U VERTICALEMENT EN COLONNES**
[72] MCSPARRIN, MICHAEL D., US
[71] MDM ENTERPRISES, INC., US
[22] 2023-02-14
[41] 2023-08-14
[30] US (63/309,957) 2022-02-14
[30] US (63/343,907) 2022-05-19
[30] US (18/165,511) 2023-02-07

[21] **3,189,600**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR JIP AND CLLI MATCHING IN TELECOMMUNICATIONS METADATA AND MACHINE-LEARNING**
[54] **SYSTEMES ET METHODES POUR LE JUMELAGE DES JIP ET DES CLLI DANS LES DONNEES DE TELECOMMUNICATION L'APPRENTISSAGE AUTOMATIQUE**
[72] MERCHANT, MOHAMMED ALI, US
[72] SUN, YITAO, US
[71] PINDROP SECURITY, INC., US
[22] 2023-02-14
[41] 2023-08-15
[30] US (63/310,178) 2022-02-15

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[21] **3,189,602**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] STROTTMAN, JOSEPH WILLIAM, US
[72] ERDAHL, BRIAN SCOTT, US
[72] LINDENBAUM, KURT MILAN, US
[72] MCNISH, IAN G., US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-14
[41] 2023-08-16
[30] US (63/310,695) 2022-02-16

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[21] **3,189,617**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] LEE, DAVID SCOTT, CA
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-14
[41] 2023-08-16
[30] US (63/310,607) 2022-02-16

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[21] **3,189,628**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACKING PROPAGATION OF SENSITIVE DATA**
[54] **SYSTEMES ET METHODES DE SUIVI DE LA PROPAGATION DES DONNEES DE NATURE DELICATE**
[72] LE BOUTHILLIER, JEAN, CA
[72] PERICO, LUCA, CA
[71] QOHASH INC., CA
[22] 2023-02-14
[41] 2023-08-15
[30] US (63/268.018) 2022-02-15

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[21] **3,189,649**
[13] A1
[25] EN
[54] **BUSINESS CONTINUITY APPARATUS**
[54] **APPAREIL DE CONTINUITE DES ACTIVITES**
[72] GREEN, KEITH, CA
[72] DAVID, ANDY, CA
[71] GREEN, KEITH, CA
[71] DAVID, ANDY, CA
[22] 2023-02-14
[41] 2023-08-14
[30] US (63/309,872) 2022-02-14

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[21] **3,189,651**
[13] A1
[51] **Int.Cl. G06T 15/04 (2011.01) B41F 17/00 (2006.01) G06T 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRINTED INK DENSITY COMPENSATION**
[54] **SYSTEME ET METHODE POUR LA COMPENSATION DE DENSITE DE L'ENCRE IMPRIMEE**
[72] DAVIDSON, JOHN, CA
[72] COMPSON, NEIL, CA
[71] DISTORTION ARTS LLC, US
[22] 2023-02-07
[41] 2023-08-14
[30] US (17/670,630) 2022-02-14

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[21] **3,189,660**
[13] A1
[51] **Int.Cl. F16K 27/00 (2006.01) F15C 3/00 (2006.01) F16K 31/02 (2006.01)**
[25] EN
[54] **SOLENOID STABILIZERS AND METHODS FOR STABILIZING SOLENOIDS IN VALVE BODIES**
[54] **STABILISATEURS DE SOLENOIDES ET METHODES POUR STABILISER LES SOLENOIDES DANS LES CORPS DE VANNE**
[72] DIAL, JAMES A., US
[72] DEYO, ANDREW M., US
[71] SONNAX TRANSMISSION COMPANY, US
[22] 2023-02-10
[41] 2023-08-14
[30] US (18/090,266) 2022-12-28
[30] US (63/309,712) 2022-02-14

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[21] **3,189,664**
[13] A1
[25] EN
[54] **VIRTUAL REALITY IMMERSION WITH AN ARCHITECTURAL DESIGN SOFTWARE APPLICATION**
[54] **IMMERSION EN REALITE VIRTUELLE A L'AIDE D'UNE APPLICATION LOGICIELLE DE CONCEPTION ARCHITECTURALE**
[72] IANNONE, MICHAEL, US
[71] DIRTT ENVIRONMENTAL SOLUTIONS LTD., CA
[22] 2023-02-14
[41] 2023-08-14
[30] US (63/310,002) 2022-02-14

[21] **3,189,756**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/62 (2013.01) G06N 20/00 (2019.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AUDIO DATA MANAGEMENT AND PLAYOUT MONITORING**
[54] **APPAREIL ET METHODE POUR LA GESTION DE DONNEES AUDIO ET LA SURVEILLANCE DE LECTURE**
[72] OIKONOMOPOULOS, ANGELOS, GB
[72] WHITESIDE, LIAM, GB
[71] GLOBAL MEDIA GROUP SERVICES LIMITED, GB
[22] 2023-02-13
[41] 2023-08-15
[30] GB (2202016.8) 2022-02-15

[21] **3,189,820**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] DVORJAK, DANIELA SARTI, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-15
[41] 2023-08-16
[30] US (63/310,611) 2022-02-16

[21] **3,189,827**
[13] A1
[51] **Int.Cl. E03F 1/00 (2006.01) B01D 21/02 (2006.01) F16B 17/00 (2006.01) F16S 1/02 (2006.01) C02F 3/00 (2006.01)**
[25] EN
[54] **SEPTIC CHAMBER SNAP LOCKING COUPLING JOINT**
[54] **JOINT DE RACCORD VERROUILLE A RESSORT POUR CHAMBRE SEPTIQUE**
[72] DOUGLASS, BRIAN L., US
[72] DOUGLASS, CARL R., US
[71] PRINSCO, INC., US
[22] 2023-02-15
[41] 2023-08-16
[30] US (63/310,771) 2022-02-16
[30] US (18/168,318) 2023-02-13

[21] **3,189,829**
[13] A1
[51] **Int.Cl. A23C 20/00 (2006.01) A23L 19/10 (2016.01) A23C 20/02 (2021.01) A23C 11/00 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS FROM ROOT VEGETABLES**
[54] **PRODUITS ALIMENTAIRES DE LEGUMES-RACINES**
[72] KIRTLEY, NIGEL, US
[72] LAUDANO, RAYMOND J., US
[72] SPORS, DEREK E., US
[72] SPIZZIRRI, LORA NICOLETTE, US
[72] HOLT, CELIA JANE, GB
[72] DALE, CHRISTOPHER SIMON, GB
[71] MCCAIN FOODS LIMITED, CA
[22] 2023-02-15
[41] 2023-08-18
[30] US (63/311.567) 2022-02-18

[21] **3,189,830**
[13] A1
[51] **Int.Cl. F24F 7/00 (2021.01) F01P 11/00 (2006.01) F24F 1/00 (2019.01) H05K 5/00 (2006.01)**
[25] EN
[54] **AUXILIARY AIR VENT FOR CLIMATE CONTROL UNIT**
[54] **GRILLE D'AERATION AUXILIAIRE POUR UNE UNITE DE REGULATION DU CLIMAT**
[72] SCHMIDT, CHARLES RICHARD, US
[72] BERG, TROY F., US
[71] DANTHERM COOLING, INC., US
[22] 2023-02-15
[41] 2023-08-18
[30] US (63/311,711) 2022-02-18

[21] **3,189,940**
[13] A1
[51] **Int.Cl. F24F 11/65 (2018.01) F24F 11/86 (2018.01) F24D 19/10 (2006.01)**
[25] EN
[54] **DYNAMIC TEMPERATURE CONTROL FOR HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM**
[54] **REGULATEUR DE TEMPERATURE DYNAMIQUE POUR UN SYSTEME DE CHAUFFAGE, VENTILATION ET CLIMATISATION**
[72] GOKHALE, UMESH, US
[72] BERG, ERIC, US
[71] LENNOX INDUSTRIES INC., US
[22] 2023-02-15
[41] 2023-08-17
[30] US (17/651,559) 2022-02-17

[21] **3,189,949**
[13] A1
[25] EN
[54] **ADJUSTABLE METER FLANGE COUPLING**
[54] **RACCORD A BRIDE DE COMPTEUR AJUSTABLE**
[72] HUDDLESTON, ROBERT W., US
[71] THE FORD METER BOX COMPANY, INC., US
[22] 2023-02-15
[41] 2023-08-17
[30] US (63/311,174) 2022-02-17

[21] **3,189,955**
[13] A1
[51] **Int.Cl. A63B 5/11 (2006.01) A63B 5/00 (2006.01) A63B 67/00 (2006.01) A63B 69/00 (2006.01) B62K 3/00 (2006.01)**
[25] EN
[54] **TRAMPOLINE SCOOTERS**
[54] **TROTTINETTES DE TRAMPOLINE**
[72] HORNE, MICHAEL, CN
[71] RIMACK HOLDINGS LIMITED, CN
[22] 2023-02-15
[41] 2023-08-18
[30] US (17/675,658) 2022-02-18

[21] **3,189,992**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01)**
[25] EN
[54] **ELECTRONIC HEALTH RECORD INTEROPERABILITY TOOL**
[54] **OUTIL D'INTEROPERABILITE DES DOSSIERS DE SANTE ELECTRONIQUES**
[72] SELVAGGI, RICHARD R., US
[71] SELVAGGI, RICHARD R., US
[22] 2023-02-16
[41] 2023-08-17
[30] US (17/674,323) 2022-02-17

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[21] **3,189,997**
[13] A1
[51] **Int.Cl. H01B 7/22 (2006.01) H01B 9/00 (2006.01)**
[25] EN
[54] **METAL CLAD CABLE ASSEMBLY**
[54] **ENSEMBLE CABLE REVETU DE METAL**
[72] KOPFER, JON, US
[71] CERRO WIRE LLC, US
[22] 2023-02-16
[41] 2023-08-17
[30] US (17/673,901) 2022-02-17

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[21] **3,190,030**
[13] A1
[51] **Int.Cl. A62D 3/30 (2007.01)**
[25] EN
[54] **COMPOSITION FOR USE IN THE DESTRUCTION OF NAPHTHENIC ACIDS**
[54] **COMPOSITION A UTILISER DANS L'ELIMINATION DES ACIDES NAPHTENIQUES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWNSON, KARL W., CA
[71] FLUID ENERGY GROUP LTD., CA
[22] 2023-02-16
[41] 2023-08-18
[30] CA (3149493) 2022-02-18

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[21] **3,190,031**
[13] A1
[51] **Int.Cl. B07C 5/34 (2006.01) B07C 5/342 (2006.01)**
[25] EN
[54] **SYSTEM AND MEHTOD FOR QUALITY CONTROL OF WOOD PIECES TO BE PACKAGED**
[54] **SYSTEME ET METHODE DE CONTROLE DE LA QUALITE DE PIECES DE BOIS A EMBALLER**
[72] FAUCHER, PATRICE, CA
[72] AUDET, RICHARD, CA
[71] MEKANIKA INC., CA
[22] 2023-02-16
[41] 2023-08-16
[30] US (63/268,096) 2022-02-16

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[21] **3,190,037**
[13] A1
[51] **Int.Cl. G09F 21/04 (2006.01) G09F 7/18 (2006.01) G09F 9/33 (2006.01)**
[25] EN
[54] **SMART DISPLAY FOR TRAILER DOOR OR PANEL**
[54] **ECRAN INTELLIGENT POUR PORTE OU PANNEAU DE REMORQUE**
[72] PHAGURA, RANJIT, US
[72] UPPAL, RACINDER, US
[71] PHAGURA, RANJIT, US
[71] UPPAL, RACINDER, US
[22] 2023-02-16
[41] 2023-08-16
[30] US (17/672,920) 2022-02-16

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[21] **3,190,045**
[13] A1
[51] **Int.Cl. F02B 27/06 (2006.01) F01L 17/00 (2006.01)**
[25] EN
[54] **MULTI-PORT EXHAUST VALVE FOR TWO-STROKE ENGINES**
[54] **SOUPAPE D'ECHAPPEMENT A ORIFICES MULTIPLES POUR DES MOTEURS A DEUX TEMPS**
[72] PRICE, CARSON, US
[72] MAMMEN, JEREMY, US
[71] ARCTIC CAT INC., US
[22] 2023-02-15
[41] 2023-08-16
[30] US (17/744,210) 2022-05-13
[30] US (63/310,994) 2022-02-16

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[21] **3,190,053**
[13] A1
[51] **Int.Cl. C08L 29/04 (2006.01) C08J 3/075 (2006.01) C08L 67/04 (2006.01) H01M 6/18 (2006.01) H01M 6/40 (2006.01) C08L 101/16 (2006.01)**
[25] EN
[54] **BIODEGRADABLE ELECTROCHEMICAL DEVICE**
[54] **DISPOSITIF ELECTROCHIMIQUE BIODEGRADABLE**
[72] CHOPRA, NAVEEN, CA
[72] HU, NAN-XING, CA
[72] MCGUIRE, GREGORY, CA
[72] BLACK, ROBERT, CA
[72] LAFORGUE, ALEXIS, CA
[72] LAM, EDMOND, CA
[72] LEUNG, CHI WOON, CA
[72] LIU, YALI, CA
[72] REGNIER, SOPHIE, CA
[72] MOKRINI, ASMAE, CA
[72] CHAPLEAU, NATHALIE, CA
[72] DOVIJARSKI, ALEKSA, CA
[71] XEROX CORPORATION, US
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2023-02-16
[41] 2023-08-18
[30] US (17/651709) 2022-02-18

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[21] **3,190,054**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED FUEL CHANNEL INSTALLATION**
[54] **SYSTEME ET METHODE D'INSTALLATION AUTOMATISEE DE CANAL DE COMBUSTIBLE**
[72] MORIKAWA, DAVID TARO, CA
[71] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[22] 2023-02-16
[41] 2023-08-16
[30] US (63/310,978) 2022-02-16

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[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) E01H 5/00 (2006.01) E01H 5/04 (2006.01)**
[25] EN
[54] **SWEEPING BLADE DEVICE AND SWEEPING BLADE ASSEMBLY FOR A VEHICLE**
[54] **DISPOSITIF DE LAME DE BALAYAGE ET ASSEMBLAGE DE LAME DE BALAYAGE POUR UN VEHICULE**
[72] MICHEL, HUGO, CA
[72] NEMETH, ZOLTAN, CA
[71] GESTION PIHM INC., CA
[22] 2023-02-16
[41] 2023-08-16
[30] US (63/268.068) 2022-02-16

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[51] **Int.Cl. C09D 201/02 (2006.01) C09D 7/63 (2018.01) C08J 7/04 (2020.01) C09D 5/00 (2006.01) C09D 5/16 (2006.01) C09D 183/04 (2006.01)**
[25] EN
[54] **RUBBER SURFACE COATING SYSTEM**
[54] **SYSTEME DE REVETEMENT DE SURFACE DE CAOUTCHOUC**
[72] WALLS, JOHN E., US
[71] NO MORE SMELLS LIMITED, GB
[22] 2023-02-16
[41] 2023-08-17
[30] US (17/674,150) 2022-02-17

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[51] **Int.Cl. A61G 12/00 (2006.01) A61B 50/13 (2016.01) A61B 50/18 (2016.01) A61B 50/33 (2016.01) B25H 3/00 (2006.01) B62B 3/02 (2006.01)**
[25] EN
[54] **TREATMENT CART WITH PASS THROUGH TRAY**
[54] **CHARIOT DE TRAITEMENT AVEC PLATEAU TRAVERSANT**
[72] STACHLER, BRIAN L., US
[72] WHITTINGTON, DARIN G., US
[71] MIDMARK CORPORATION, US
[22] 2023-02-16
[41] 2023-08-18
[30] US (63/311,748) 2022-02-18

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[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] ERDAHL, BRIAN SCOTT, US
[72] APONTE-RIVERA, JOSE, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-15
[41] 2023-08-16
[30] US (63/310,656) 2022-02-16

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[13] A1
[51] **Int.Cl. A63B 67/02 (2006.01) A63B 57/40 (2015.01) A63B 69/36 (2006.01)**
[25] EN
[54] **PORTABLE PUTTING GREEN**
[54] **VERT DE ROULER (PUTTING) PORTATIF**
[72] TAYLOR, CURTIS, US
[71] PROCESS4, INC., US
[22] 2023-02-16
[41] 2023-08-17
[30] US (63/311,266) 2022-02-17

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[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] DELHEIMER, JACOB CHARLES, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2023-02-15
[41] 2023-08-16
[30] US (63/310,658) 2022-02-16

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[51] **Int.Cl. H01B 7/282 (2006.01) H01B 9/00 (2006.01)**
[25] EN
[54] **POWER CABLE WITH MULTIPLE WATER BARRIERS**
[54] **CABLE D'ALIMENTATION A PLUSIEURS BARRIERES D'ETANCHEITE**
[72] LANGSTROM, SONNY, SE
[72] JOHANSSON, TOMMY, SE
[72] JADERBERG, JOHAN, SE
[72] SANDELL, HAKAN, SE
[72] DAHL RYDE, CHRISTOFFER, SE
[71] NKT HV CABLES AB, SE
[22] 2023-02-17
[41] 2023-08-18
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[25] EN
[54] **GRAIN TRANSFER ELEMENT LOCKING SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE VERROUILLAGE D'ELEMENT DE TRANSFERT DE GRAINS ET METHODES CONNEXES**
[72] KAHLIG, SEAN, US
[72] GRIESHOP, DUSTAN, US
[71] J. & M. MANUFACTURING CO., INC., US
[22] 2023-02-15
[41] 2023-08-15
[30] US (63/310,451) 2022-02-15

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATION AND CONTROL OF ELECTROMAGNETS**
[54] **SYSTEME ET METHODE D'EXPLOITATION ET DE COMMANDE D'ELECTRO-AIMANTS**
[72] HARRIS, CHAD TYLER, CA
[72] BINDSEIL, GERON ANDRE, CA
[72] BEATTY, PHILIP J., CA
[72] CURTIS, ANDREW THOMAS, CA
[71] SYNAPTIVE MEDICAL INC., CA
[22] 2023-02-16
[41] 2023-08-17
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[25] EN
[54] **ASPHALT SHINGLE WASTE COATINGS IN ROOFING MATERIALS**
[54] **REVETEMENTS DE BARDEAUX BITUMES USES DANS LES MATERIAUX DE COUVERTURE**
[72] KIIK, MATTI, US
[72] NOWAK, RICHARD A., US
[71] BMIC LLC, US
[22] 2023-02-17
[41] 2023-08-18
[30] US (17/675,913) 2022-02-18

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[51] **Int.Cl. B27L 11/00 (2006.01) B02C 18/22 (2006.01) B27B 25/02 (2006.01)**
[25] EN
[54] **IN-FEED ROLLER FOR A WOOD CHIPPER AND METHOD OF MAKING THEREOF**
[54] **ROULEAU D'ALIMENTATION D'ENTREE POUR DECOUPEUSE A BOIS ET METHODE DE FABRICATION CONNEXE**
[72] SCHIE, KURT M., US
[71] SCHIE, KURT M., US
[22] 2023-02-15
[41] 2023-08-15
[30] US (17/672,476) 2022-02-15

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[51] **Int.Cl. A63B 67/14 (2006.01) A63B 67/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ILLUMINATED SPORTS PROJECTILE DEVICE**
[54] **METHODE ET SYSTEME POUR UN DISPOSITIF DE PROJECTILE SPORTIF ILLUMINE**
[72] ELLIOTT, DARREN A., CA
[71] ELLIOTT, DARREN A., CA
[22] 2023-02-17
[41] 2023-08-18
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[25] EN
[54] **LOW BATTERY MODE FOR WIRELESS CONTROL SYSTEM**
[54] **MODE DE BATTERIE FAIBLE POUR UN SYSTEME DE COMMANDE SANS FIL**
[72] WESTRICK, RICHARD L. JR., US
[72] PELLICCIO, FRANK, US
[72] ZAVERUHA, RYAN A., US
[72] VAN DER HOORN, MAURITS, US
[71] ABL IP HOLDING LLC, US
[22] 2023-02-17
[41] 2023-08-18
[30] US (18/108,936) 2023-02-13
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[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) 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 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] THRELKELD, KEVIN CHRIS, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[41] 2023-08-16
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[51] **Int.Cl. A63B 21/078 (2006.01) A47C 1/026 (2006.01) A47C 9/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE BENCH WITH ONE-WAY ADJUSTMENT SYSTEM**
[54] **BANC AJUSTABLE AVEC SYSTEME D'AJUSTEMENT UNIDIRECTIONNEL**
[72] MCGROTTY, RYAN JAMES, US
[72] ANDREASSEN, SEAN MATTHEW, US
[72] PIZER, SAMUEL M., US
[71] REP FITNESS, LLC, US
[22] 2023-02-17
[41] 2023-08-18
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[51] **Int.Cl. E04B 9/18 (2006.01) E04B 1/82 (2006.01) E04F 13/26 (2006.01)**
[25] EN
[54] **CHANNEL CLIP**
[54] **ETRIER DE CANAL**
[72] FENTON, DOUGLAS EARL, US
[71] CATALYST ACOUSTICS GROUP, INC., US
[22] 2023-02-17
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[30] US (17675403) 2022-02-18

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[13] A1
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR SECURELY COMMUNICATING WITH ELECTRONIC ASSETS USING AN AUTHENTICATED COMPUTER HUB AND A CENTRAL SERVER**
[54] **SYSTEMES, DISPOSITIFS ET METHODES POUR LA COMMUNICATION SECURISEE AVEC LES BIENS ELECTRONIQUES AU MOYEN D'UN POSTE D'ACCUEIL AUTHENTIFIE ET D'UN SERVEUR CENTRAL**
[72] MOUSSEAU, GARY, CA
[72] BAWA, KARIMA, CA
[72] MACKENZIE, SAMUEL THOMAS, CA
[71] 3D BRIDGE SOLUTIONS INC., CA
[22] 2023-02-17
[41] 2023-08-18
[30] US (17/675,723) 2022-02-18

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[13] A1
[51] **Int.Cl. G09F 7/18 (2006.01) B60K 35/00 (2006.01) B60K 37/00 (2006.01)**
[25] EN
[54] **DISPLAY ASSEMBLY, IN PARTICULAR FOR A MOTOR VEHICLE DASHBOARD, AND ASSEMBLING METHOD FOR ASSEMBLING SUCH AN ASSEMBLY**
[54] **ASSEMBLAGE D'AFFICHAGE, EN PARTICULIER POUR UN TABLEAU DE BORD DE VEHICULE MOTORISE ET METHODE POUR ASSEMBLER UN TEL ASSEMBLAGE**
[72] GIUSTI, RUGGERO, IT
[72] FOREST, JEROME, IT
[72] GAMMOUNE, MOHAMED, IT
[72] NAVANEETHAM, MISHRA, IT
[71] MARELLI EUROPE S.P.A., IT
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[30] IT (10 2022 00000 2774) 2022-02-15

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[51] **Int.Cl. B60W 10/00 (2006.01) B60H 1/00 (2006.01) B60R 16/00 (2006.01) B60W 10/26 (2006.01) B60W 10/30 (2006.01) B65F 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRE-CONDITIONING A VEHICLE**
[54] **SYSTEMES ET METHODES DE PRECONDITIONNEMENT D'UN VEHICULE**
[72] HABERLEIN, AMANDA, US
[72] BOLTON, MIKE J., US
[72] VERHAGEN, JEFF, US
[72] GOODMAN, CHRIS, US
[71] OSHKOSH CORPORATION, US
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[41] 2023-08-18
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[51] **Int.Cl. B65H 51/14 (2006.01) B65G 15/14 (2006.01) B65G 17/38 (2006.01) G09B 9/00 (2006.01) G09B 23/28 (2006.01)**
[25] EN
[54] **CONVEYOR-TYPE DEVICE**
[54] **DISPOSITIF DE TYPE CONVOYEUR**
[72] LEONE, YVAN, CA
[71] CAE HEALTHCARE CANADA INC., CA
[22] 2023-03-23
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[30] US (18/187,835) 2023-03-22
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[51] **Int.Cl. E01C 3/00 (2006.01) E01C 3/06 (2006.01) E01C 5/22 (2006.01) E01C 11/02 (2006.01) E01C 15/00 (2006.01)**
[25] EN
[54] **STACKABLE INTERLOCKING STRUCTURAL FOAM BLOCKS FOR SUPPORTING STAIRS AND OTHER HARDSCAPE BLOCK SYSTEMS**
[54] **BLOCS DE MOUSSE STRUCTURAUX EMPILABLES ET INTERCONNECTABLES POUR SOUTENIR DES MARCHES ET D'AUTRES SYSTEMES DE BLOCS D'AMENAGEMENT PAYSAGER INERTE**
[72] MATYS, TYLER, CA
[71] RISI STONE INC., CA
[22] 2023-03-28
[41] 2023-08-17
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[51] **Int.Cl. G01G 13/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR WEIGHING INDIVIDUAL CONTAINERS, AND A SET COMPRISING SUCH A DEVICE**
[54] **DISPOSITIF ET METHODE DE PESAGE DE CONTENANTS INDIVIDUELS ET ENSEMBLE COMPRENANT UN TEL DISPOSITIF**
[72] KRAUSS, ULRICH, DE
[72] NAGLER, STEFAN, DE
[72] ILGENFRITZ, MARKUS, DE
[72] SELIG, BERTRAM, DE
[72] HILLENMEYER, ENRICH, DE
[72] STEGMEIER, SAMUEL, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
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[30] DE (10 2022 117 200.7) 2022-07-11

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[13] A1
[25] EN
[54] **HEAVY EQUIPMENT MAINTENANCE APPARATUS**
[54] **APPAREIL D'ENTRETIEN DE MACHINERIE LOURDE**
[72] HAIDON, LEONARD DELMONT, CA
[71] HAIDON, LEONARD DELMONT, CA
[22] 2023-06-13
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[51] **Int.Cl. A61K 31/4245 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **COMPOUNDS, COMPOSITIONS AND METHODS FOR INCREASING CFTR ACTIVITY**
[54] **COMPOSES, COMPOSITIONS ET METHODES POUR AUGMENTER L'ACTIVITE DE CFTR**
[72] PARKS, DANIEL, US
[72] MUNOZ, BENITO, US
[72] BASTOS, CECILIA M., US
[71] PROTEOSTASIS THERAPEUTICS, INC., US
[85] 2020-04-01
[86] 2018-10-05 (PCT/US2018/054526)
[87] (WO2019/071078)
[30] US (62/569,204) 2017-10-06

[21] **3,159,008**
[13] A1
[51] **Int.Cl. F02C 7/141 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **TURBINE ENGINE GAS-INLET COOLING SYSTEM AND TURBINE ENGINE APPARATUS**
[54] **SYSTEME DE REFROIDISSEMENT D'ENTREE DE GAZ DE MOTEUR A TURBINE ET APPAREIL DE MOTEUR A TURBINE**
[72] ZHANG, RIKUI, CN
[72] LI, XINCHENG, CN
[72] ZHANG, PENG, CN
[72] LIU, ZHIJIE, CN
[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN
[85] 2022-05-16
[86] 2022-02-23 (PCT/CN2022/077468)
[87] (3159008)
[30] CN (202220310150.2) 2022-02-16

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) F04B 17/03 (2006.01) H02J 9/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **ELECTRIC DRIVE FRACTURING SYSTEM**
[54] **SYSTEME DE FRACTURATION A COMMANDE ELECTRIQUE**
[72] ZHONG, JIFENG, CN
[72] WANG, JIHUA, CN
[72] LV, LIANG, CN
[72] LI, SHOUZHE, CN
[72] WU, YIPENG, CN
[72] LI, XINCHENG, CN
[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN
[85] 2022-05-16
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[87] (3159026)

[21] **3,163,647**
[13] A1
[51] **Int.Cl. B03B 9/00 (2006.01) B03B 7/00 (2006.01) B03C 1/005 (2006.01) B03C 1/02 (2006.01)**
[25] EN
[54] **PRETREATMENT METHOD FOR UTILIZATION OF COAL POND ASH**
[54] **METHODE DE TRAITEMENT POUR L'UTILISATION DE CENDRES DE CHARBON RETENUES**
[72] UM, NAMIL, KR
[72] KANG, YOUNG YEUL, KR
[72] YOON, CHEOL WOO, KR
[72] HONG, SOO YEON, KR
[72] CHO, NA HYEON, KR
[72] KIM, MIN-JUNG, KR
[72] CHOI, JA-HYUNG, KR
[72] JEON, TAE WAN, KR
[72] YOON, YOUNG SAM, KR
[71] NATIONAL INSTITUTE OF ENVIRONMENTAL RESEARCH, KR
[85] 2022-06-16
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[87] (3163647)
[30] KR (10-2022-0021349) 2022-02-18

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[13] A1
[51] **Int.Cl. B01J 38/02 (2006.01) B01J 38/12 (2006.01)**
[25] EN
[54] **METALS RECOVERY FROM SPENT SUPPORTED CATALYST**
[54] **RECUPERATION DE METAUX DE CATALYSEURS SUPPORTES EPUISES**
[72] BHADURY, RAHUL SHANKAR, US
[72] MIRONOV, OLEG A., US
[72] KEPERMAN, ALEXANDER E., US
[71] CHEVRON U.S.A. INC., US
[85] 2022-09-29
[86] 2022-05-13 (PCT/US2022/029214)
[87] (3177865)
[30] US (63/310,034) 2022-02-14
[30] US (17/744,018) 2022-05-13

[21] **3,186,381**
[13] A1
[51] **Int.Cl. C22B 3/26 (2006.01) B01D 11/02 (2006.01) C22B 1/00 (2006.01) C22B 3/08 (2006.01) C22B 3/22 (2006.01) C22B 3/38 (2006.01) C22B 3/44 (2006.01) C22B 23/00 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **SOLVENT EXTRACTION METHOD USING TWO-STAGE EXTRACTION FOR SEPARATION AND RECOVERY OF NICKEL, COBALT, AND MANGANESE**
[54] **METHODE D'EXTRACTION DE SOLVANT EN DEUX ETAPES POUR LA SEPARATION ET LA RECUPERATION DE NICKEL, DE COBALT ET DE MANGANESE**
[72] KIM, DONG HEE, KR
[72] KIM, YONG HUN, KR
[72] KIM, WOO JIN, KR
[71] ECOPRO MATERIALS, CO., LTD., KR
[85] 2022-12-23
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[87] (3186381)
[30] KR (KR10-2022-0020918) 2022-02-17

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[51] **Int.Cl. C07D 403/04 (2006.01)**
[25] EN
[54] **CD73 INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR DE CD73 ET SON UTILISATION**
[72] ZHANG, XUEJUN, CN
[72] CHANG, SHAOHUA, CN
[72] YE, DABING, CN
[72] LEI, SIJUN, CN
[72] WANG, YONGGANG, CN
[72] LIU, YONG, CN
[72] SUN, HONGNA, CN
[72] YANG, JUN, CN
[72] LI, LIE, CN
[71] WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, CN
[85] 2023-05-03
[86] 2021-11-05 (PCT/CN2021/129079)
[87] (WO2022/095975)
[30] CN (202011225900.8) 2020-11-05
[30] CN (202110480100.9) 2021-04-30

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[13] A1
[51] **Int.Cl. F01K 25/10 (2006.01) F01K 7/16 (2006.01) F01K 19/04 (2006.01)**
[25] EN
[54] **THREE RESERVOIR ELECTRIC THERMAL ENERGY STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE D'ENERGIE THERMIQUE ELECTRIQUE A TROIS RESERVOIRS**
[72] HELD, TIMOTHY, US
[71] SUPERCRITICAL STORAGE COMPANY, INC., US
[85] 2023-06-06
[86] 2021-12-09 (PCT/US2021/062675)
[87] (WO2022/125816)
[30] US (63/123,266) 2020-12-09
[30] US (17/546,963) 2021-12-09

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 35/747 (2015.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR INFLAMMATORY DISORDERS OF THE JOINTS**
[54] **POLYTHERAPIE POUR LES TROUBLES INFLAMMATOIRES DES ARTICULATIONS**
[72] FINLAYSON, WAYNE, AU
[71] SERVATUS LTD, AU
[85] 2023-06-06
[86] 2021-12-08 (PCT/AU2021/051463)
[87] (WO2022/120421)
[30] AU (2020904573) 2020-12-09

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[54] **JOINTS WITH DIAMOND BEARING SURFACES**
[54] **JOINTS A SURFACES DE SUPPORT EN DIAMANT**
[72] PREVOST, GREGORY, US
[71] PI TECH INNOVATIONS LLC, US
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[54] **PRODUCT WITH BRISTLES WHICH CAN BE EASILY RECYCLED**
[54] **ARTICLES DE BROSSERIE FACILES A RECYCLER**
[72] HERMES, FLORIAN, DE
[72] KANNENGIESSER, UWE, DE
[72] RICHTER, ALEXANDER, DE
[72] WIEDER, KERSTIN, DE
[72] KRAMPE, JOHANNES-FLORIAN, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2023-07-17
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[54] **AQUEOUS FRICTION REDUCER FORMULATIONS**
[54] **FORMULATIONS AQUEUSES DE REDUCTEUR DE FROTTEMENT**
[72] DAWSON, JEFF, US
[72] YANG, CHAO, US
[72] MACEWEN, KIMBERLEY, US
[71] INDEPENDENCE OILFIELD CHEMICALS LLC, US
[85] 2023-07-25
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[54] **LIQUID FORMULATION OF PROTEIN AND METHODS OF PREPARING THE SAME**
[54] **FORMULATION LIQUIDE DE PROTEINE ET SES PROCEDES DE PREPARATION**
[72] LIM, HYUNG KYU, KR
[72] KIM, SANG YUN, KR
[72] HONG, SUNG HEE, KR
[71] HANMI PHARM. CO., LTD., KR
[85] 2023-07-25
[86] 2022-01-26 (PCT/KR2022/001406)
[87] (WO2022/164204)
[30] KR (10-2021-0011802) 2021-01-27

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[25] EN
[54] **CONVERTIBLE RECREATIONAL SIT-DOWN TO STAND-UP VEHICLE**
[54] **VEHICULE DE LOISIRS CONVERTIBLE DE POSITION ASSISE A POSITION DEBOUT**
[72] KUGLER, JARED S., US
[72] FUCHS, MICHAEL J., US
[72] STOCK, JACOB L., US
[72] ROGGENKAMP, KYLE T., US
[72] KINSMAN, ANTHONY J., US
[71] POLARIS INDUSTRIES INC., US
[85] 2023-07-25
[86] 2022-01-28 (PCT/US2022/014215)
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[54] **PERISTALTIC PUMP WITH FEELER PIN**
[54] **POMPE PERISTALTIQUE A TIGE DE COMPARATEUR A CADRAN**
[72] CAI, FRANK, US
[72] ZHANG, LUN, US
[72] CARROLL, DEREK ALAN, US
[72] SHEVGOOR, SIDDARTH, US
[71] CAREFUSION 303, INC., US
[85] 2023-07-25
[86] 2022-01-26 (PCT/US2022/013920)
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[51] **Int.Cl. A61F 2/46 (2006.01)**
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[54] **APPARATUS AND METHOD OF PREPARING BONE FIBERS**
[54] **APPAREIL ET PROCEDE DE PREPARATION DE FIBRES OSSEUSES**
[72] JAGGER, KARL, US
[72] BOSSERT, JEFF, US
[72] ROBINSON, BENTLY, US
[72] NATH, JONATHAN, US
[72] BEAUBIAN, BRIAN, US
[72] ELLIOTT, JAKE, US
[71] RTI SURGICAL, INC., US
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[54] **METHODS FOR MANUFACTURING PELLETS**
[54] **PROCEDES DE FABRICATION DE PASTILLES**
[72] LARMOUR, DONALD JOSEPH, CA
[72] LARMOUR, DONALD MICHAEL, CA
[72] FETTIS, BRADLEY V. A., CA
[71] 102062448 SASKATCHEWAN LTD, CA
[85] 2023-07-25
[86] 2022-01-28 (PCT/CA2022/050126)
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[51] **Int.Cl. C07D 491/22 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **TOXIN MOLECULE SUITABLE FOR ANTIBODY-DRUG CONJUGATE**
[54] **MOLECULE DE TOXINE APPROPRIEE POUR UN CONJUGUE ANTICORPS-MEDICAMENT**
[72] LI, AO, CN
[72] CHEN, YILE, CN
[72] CAO, GUOQING, CN
[71] MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, CN
[71] MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, CN
[85] 2023-07-26
[86] 2022-01-28 (PCT/CN2022/074825)
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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 37/02 (2006.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATE AND MEDICAL USE THEREOF**
[54] **CONJUGUE ANTICORPS-MEDICAMENT ET SON UTILISATION MEDICALE**
[72] HUA, HAIQING, CN
[72] MAO, DONGJIE, CN
[72] LUO, YAN, CN
[72] XIE, YUEJUN, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2023-07-26
[86] 2022-01-26 (PCT/CN2022/073943)
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[25] EN
[54] **UPGRADING ASPHALT BY INCORPORATION OF BIO-OILS**
[54] **VALORISATION D'ASPHALTE PAR INCORPORATION DE BIO-HUILES**
[72] NOEL, JOHN A., CA
[72] TARDIFF, BENNETT J., CA
[72] KRIZ, PAVEL, CA
[72] MENDEZ, LUIS JOSE, US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-07-27
[86] 2022-01-27 (PCT/US2022/070367)
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[13] A1
[51] **Int.Cl. B28C 7/04 (2006.01) B28C 7/02 (2006.01)**
[25] EN
[54] **CONCRETE PREPARATION AND RECIPE OPTIMIZATION**
[54] **PREPARATION DE BETON ET OPTIMISATION DE RECETTE**
[72] PAPANIA-DAVIS, ANTONIO RAYMOND, US
[72] TREAT, NEIL DAVID, US
[72] LIU, KATHY FENG, US
[72] GLOVER, SCOTT, US
[71] X DEVELOPMENT LLC, US
[85] 2023-07-27
[86] 2022-01-14 (PCT/US2022/012432)
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[51] **Int.Cl. F04B 43/08 (2006.01)**
[25] EN
[54] **LONG-LIFE NON-CONTACT PUMP**
[54] **POMPE SANS CONTACT A LONGUE DUREE DE VIE**
[72] PARK, MYOUNG CHUL, KR
[71] PARK, MYOUNG CHUL, KR
[85] 2023-07-27
[86] 2021-12-20 (PCT/KR2021/019382)
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[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/06 (2013.01)**
[25] EN
[54] **MULTI-BRANCH ENDOVASCULAR DEVICES AND METHODS**
[54] **DISPOSITIFS ENDOVASCULAIRES A BRANCHES MULTIPLES ET PROCEDES**
[72] BIRDNO, MERRILL J., US
[72] CRAWLEY, JERALD M., US
[72] MAJOLAGBE, KEHINDE A., US
[72] SHORT, BRANDON C., US
[72] WARD, DEREK M., US
[72] YOUNG, PATRICK S., US
[71] W.L. GORE & ASSOCIATES, INC., US
[85] 2023-07-27
[86] 2022-02-22 (PCT/US2022/017207)
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[25] EN
[54] **LIGNIN-BASED COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS A BASE DE LIGNINE ET PROCEDES**
[72] SOMERVILLE, DESMOND ALEXANDER, MT
[72] WAIBEL, PATRICK DIETER, MT
[71] LIGNOSOL IP LIMITED, MT
[85] 2023-07-27
[86] 2022-09-27 (PCT/IB2022/059172)
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[30] GB (2115987.6) 2021-11-08

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[25] EN
[54] **REMOTE SOIL AND VEGETATION PROPERTIES DETERMINATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE PROPRIETES DE SOL ET DE VEGETATION A DISTANCE**
[72] SOLDEVILLA-MARTINEZ, MARIA, DE
[71] YARA INTERNATIONAL ASA, NO
[85] 2023-07-27
[86] 2022-02-15 (PCT/EP2022/053604)
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[30] EP (21158424.8) 2021-02-22

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[51] **Int.Cl. A61K 31/502 (2006.01) A61P 25/28 (2006.01) C07D 401/06 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **COMPOUNDS AND USE THEREOF FOR TREATMENT OF NEURODEGENERATIVE, DEGENERATIVE AND METABOLIC DISORDERS**
[54] **COMPOSES ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES NEURODEGENERATIFS, DEGENERATIFS ET METABOLIQUES**
[72] BANNISTER, THOMAS D., US
[72] LASMEZAS, CORINNE, US
[72] ZHOU, MINGHAI, US
[72] RAHAIM, RONALD J. JR., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[71] VOVA IDA THERAPEUTICS INC, US
[85] 2023-07-27
[86] 2022-01-28 (PCT/US2022/014312)
[87] (WO2022/165173)
[30] US (63/142,634) 2021-01-28

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[13] A1
[51] **Int.Cl. A23J 3/22 (2006.01) A23L 33/115 (2016.01)**
[25] EN
[54] **MEAT-ANALOGUE COMPOSITION COMPRISING SATURATED FATTY ACIDS OF STEARIC AND LAURIC ACID RESIDUES**
[54] **COMPOSITION DE SUCCEDANE DE VIANDE COMPRENANT DES ACIDES GRAS SATURES DE RESIDUS D'ACIDE LAURIQUE ET D'ACIDE STEARIQUE**
[72] DEMEURISSE, JEROEN, SE
[71] AAK AB (PUBL), SE
[85] 2023-07-28
[86] 2022-01-28 (PCT/SE2022/050092)
[87] (WO2022/164377)
[30] SE (2130028-0) 2021-01-29

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[51] **Int.Cl. A23C 20/02 (2021.01) A23L 33/115 (2016.01)**
[25] EN
[54] **CHEESE-ANALOGUE COMPOSITION**
[54] **COMPOSITION DE SUCCEDANE DE FROMAGE**
[72] PEDERSON, MADS CLAUSEN, SE
[71] AAK AB (PUBL), SE
[85] 2023-07-28
[86] 2022-01-28 (PCT/SE2022/050093)
[87] (WO2022/164378)
[30] SE (2130029-8) 2021-01-29

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[51] **Int.Cl. G06N 3/04 (2023.01)**
[25] EN
[54] **PROCESSING AN ARTERIAL DOPPLER ULTRASOUND WAVEFORM**
[54] **TRAITEMENT D'UNE FORME D'ONDE ULTRASONORE DOPPLER ARTERIELLE**
[72] NORMAHANI, PASHA, GB
[72] JAFFER, USMAN, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
[85] 2023-07-28
[86] 2022-01-31 (PCT/GB2022/000012)
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[30] GB (2101599.5) 2021-02-05

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[51] **Int.Cl. F17D 3/01 (2006.01)**
[25] EN
[54] **PREDICTION OF PIPELINE COLUMN SEPARATIONS**
[54] **PREDICTION DE SEPARATIONS DE COLONNES DE PIPELINE**
[72] JAHROMI, HAMED GHASVARI, CA
[71] VANMOK INC., CA
[85] 2023-07-28
[86] 2022-02-08 (PCT/IB2022/000107)
[87] (WO2022/167870)
[30] US (63/147,169) 2021-02-08
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[51] **Int.Cl. F24B 1/192 (2006.01) A47G 5/04 (2006.01) F24B 1/18 (2006.01) F24B 1/189 (2006.01) F24B 1/191 (2006.01)**
[25] EN
[54] **IMPROVED FIREPLACE COVERTURE**
[54] **COUVERTURE DE FOYER AMELIOREE**
[72] OWENS, TIMOTHY, US
[71] OWENS, TIMOTHY, US
[85] 2023-07-28
[86] 2022-04-04 (PCT/US2022/023310)
[87] (WO2022/178461)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **HUMANIZED ANTIBODY AGAINST TNFR2 AND USE THEREOF**
[54] **ANTICORPS HUMANISE DIRIGE CONTRE LE TNFR2 ET UTILISATION ASSOCIEE**
[72] ZHAO, XIAOFENG, CN
[72] LU, SHIQIANG, CN
[72] CAO, ZHUOXIAO, CN
[72] TANG, RENHONG, CN
[72] REN, JINSHENG, CN
[71] SHANDONG SIMCERE BIOPHARMACEUTICAL CO., LTD., CN
[85] 2023-07-28
[86] 2022-01-27 (PCT/CN2022/074228)
[87] (WO2022/161425)
[30] CN (202110140980.5) 2021-01-29
[30] CN (202111016307.7) 2021-08-31

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[51] **Int.Cl. A61K 47/50 (2017.01)**
[25] EN
[54] **UNSATURATED DENDRIMERS COMPOSITIONS,RELATED FORMULATIONS, AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE DENDRIMERES INSATURES, FORMULATIONS ASSOCIEES ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] LEE, SANG M., US
[72] SIEGWART, DANIEL J., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-07-28
[86] 2021-12-09 (PCT/US2021/062717)
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[30] US (63/146,858) 2021-02-08

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[51] **Int.Cl. A43B 7/02 (2022.01) A43B 7/08 (2022.01)**
[25] EN
[54] **FOOTWEAR WITH ACTIVE TEMPERATURE AND HUMIDITY CONTROL**
[54] **CHAUSSURE A REGULATION ACTIVE DE LA TEMPERATURE ET DE L'HUMIDITE**
[72] SPINA, DANIELE, IT
[71] HARD & GUARD INDUSTRIES S.R.L., IT
[85] 2023-07-28
[86] 2021-09-14 (PCT/IB2021/058361)
[87] (WO2022/172073)
[30] IT (102021000003041) 2021-02-11

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[51] **Int.Cl. B60W 10/192 (2012.01)**
[25] EN
[54] **CONTROL SYSTEMS FOR VEHICLE CORNER MODULES AND METHODS OF OPERATION**
[54] **SYSTEMES DE COMMANDE POUR MODULES D'ANGLE DE VEHICULE ET PROCEDES DE FONCTIONNEMENT**
[72] SUTTON, RICHARD, GB
[72] TOLEDANO, RON, IL
[72] STAUBER, OHAD, IL
[72] LAYEVSKI, EUGEN, DE
[71] REE AUTOMOTIVE LTD., IL
[85] 2023-07-28
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[87] (WO2022/162639)
[30] US (63/144,313) 2021-02-01

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[51] **Int.Cl. C07C 229/12 (2006.01) A61K 47/18 (2017.01) C07C 227/18 (2006.01)**
[25] EN
[54] **IONIZABLE LIPID MOLECULE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF IN PREPARATION OF LIPID NANOPARTICLE**
[54] **MOLECULE LIPIDIQUE IONISABLE, SON PROCEDE DE PREPARATION ET SON UTILISATION DANS LA PREPARATION DE NANOPARTICULES LIPIDIQUES**
[72] WANG, ZIHAO, CN
[71] IMMORNA (HANGZHOU) BIOTECHNOLOGY CO., LTD., CN
[85] 2023-07-28
[86] 2021-09-22 (PCT/CN2021/119577)
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[30] CN (202110159969.3) 2021-02-05

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[51] **Int.Cl. H04W 4/021 (2018.01) G06Q 10/06 (2023.01) G06Q 50/02 (2012.01) H04W 4/029 (2018.01) H04W 4/30 (2018.01) G06V 10/82 (2022.01) H04L 67/12 (2022.01)**
[25] FR
[54] **COMPUTERISED SYSTEM AND METHOD FOR INTERPRETING LOCATION DATA OF AT LEAST ONE AGRICULTURAL WORKER, AND COMPUTER PROGRAM**
[54] **SYSTEME ET PROCEDE INFORMATISE D'INTERPRETATION DE DONNEES DE LOCALISATION D'AU MOINS UN TRAVAILLEUR AGRICOLE, ET PROGRAMME D'ORDINATEUR**
[72] SACHOT, ARMAND, FR
[72] CARPENTIER, MATTHIEU, FR
[72] DENONNAIN, SIMON, FR
[71] APTIMIZ, FR
[85] 2023-07-28
[86] 2022-02-01 (PCT/EP2022/052371)
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[30] FR (FR2100930) 2021-02-01

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[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES INCREASING FOXG1 EXPRESSION**
[54] **OLIGONUCLEOTIDES ANTISENS AUGMENTANT L'EXPRESSION DE FOXG1**
[72] REICH, SCOTT, US
[72] VORNLOCHER, HANS-PETER, US
[72] GEICK, ANKE, US
[72] BETTENCOURT, BRIAN, US
[71] ELIGAB TX LLC, US
[85] 2023-07-28
[86] 2022-02-09 (PCT/US2022/015815)
[87] (WO2022/173826)
[30] US (63/148,030) 2021-02-10
[30] US (63/224,314) 2021-07-21

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[51] **Int.Cl. G06F 21/31 (2013.01) G06F 3/0346 (2013.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR AN ELECTRONIC SIGNATURE DEVICE**
[54] **SYSTEME ET PROCEDE POUR UN DISPOSITIF DE SIGNATURE ELECTRONIQUE**
[72] SIEGEL, JONATHAN, US
[72] WEISSER, JAMES, US
[71] SIEGEL, JONATHAN, US
[71] WEISSER, JAMES, US
[85] 2023-07-28
[86] 2022-02-07 (PCT/IB2022/051035)
[87] (WO2022/168013)
[30] US (17/168,280) 2021-02-05

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[13] A1
[51] **Int.Cl. E03F 1/00 (2006.01)**
[25] EN
[54] **BUFFER BOX OF A VACUUM DRAINAGE SYSTEM**
[54] **SYSTEME DE DRAINAGE SOUS VIDE COMPRENANT UNE BOITE TAMPON**
[72] MONSON, TIMOTHY W., US
[72] WALES, MATTHEW A., US
[71] EVAC OY, FI
[85] 2023-07-28
[86] 2022-02-24 (PCT/FI2022/050122)
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[30] US (63/153,976) 2021-02-26

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[51] **Int.Cl. A62D 1/02 (2006.01)**
[25] EN
[54] **ENVIRONMENTALLY-CLEAN FIRE INHIBITING AND EXTINGUISHING COMPOSITIONS AND PRODUCTS FOR SORBING FLAMMABLE LIQUIDS WHILE INHIBITING IGNITION AND EXTINGUISHING FIRE**
[54] **PRODUITS ET COMPOSITIONS D'EXTINCTION ET D'INHIBITION DU FEU PROPRES POUR L'ENVIRONNEMENT PERMETTANT LA SORPTION DE LIQUIDES INFLAMMABLES TOUT EN INHIBANT L'INFLAMMATION ET EN ETEIGNANT LE FE**
[72] STEPHEN, CONBOY, US
[71] MIGHTY FIRE BREAKER LLC, US
[85] 2023-07-28
[86] 2022-02-02 (PCT/US2022/015005)
[87] (WO2022/169918)
[30] US (17/167,084) 2021-02-04
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) C07D 401/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **TRICYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES TRICYCLIQUES ET LEURS UTILISATIONS**
[72] DAI, GUANGXIU, CN
[72] XIAO, KUN, CN
[72] DENG, WEI, CN
[71] HUTCHMED LIMITED, CN
[85] 2023-07-28
[86] 2022-01-28 (PCT/CN2022/074753)
[87] (WO2022/166844)
[30] CN (202110166021.0) 2021-02-05
[30] CN (202210069346.1) 2022-01-21

[21] **3,206,936**
[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **EPIGENETIC GENE REGULATION TO TREAT NEUROLOGICAL DISEASES AND PAIN**
[54] **REGULATION GENETIQUE EPIGENETIQUE POUR TRAITER LA DOULEUR ET DES MALADIES NEUROLOGIQUES**
[72] ALEMAN GUILLEN, FERNANDO, US
[72] MORENO COLLADO, ANA MARIA, US
[71] NAVEGA THERAPEUTICS, INC., US
[85] 2023-07-28
[86] 2022-01-31 (PCT/US2022/014601)
[87] (WO2022/165362)
[30] US (63/144,408) 2021-02-01

[21] **3,206,939**
[13] A1
[51] **Int.Cl. E21B 23/10 (2006.01) E21B 34/14 (2006.01) E21B 47/09 (2012.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES POUR METTRE EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[72] KADAM, RATISH, CA
[72] KOZLOW, HENRYK, CA
[71] ADVANCED UPSTREAM LTD., CA
[85] 2023-07-28
[86] 2022-01-27 (PCT/CA2022/050112)
[87] (WO2022/160048)
[30] CA (PCT/CA2021/050106) 2021-01-29

[21] **3,206,944**
[13] A1
[51] **Int.Cl. C07C 51/09 (2006.01) C07C 59/06 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING GLYCOLIC ACID THROUGH HYDROLYSIS OF ALKOXYACETATE**
[54] **PROCEDE DE PREPARATION D'ACIDE GLYCOLIQUE PAR HYDROLYSE D'ALCOXYACETATE**
[72] NI, YOUMING, CN
[72] ZHU, WENLIANG, CN
[72] LIU, ZHONGMIN, CN
[71] DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, CN
[85] 2023-07-28
[86] 2021-02-03 (PCT/CN2021/075027)
[87] (WO2022/165663)

[21] **3,206,946**
[13] A1
[51] **Int.Cl. F03G 7/08 (2006.01)**
[25] EN
[54] **WHEEL GENERATOR**
[54] **GENERATEUR DE ROUE**
[72] VON SCHUTTENBACH, ANDREAS, DE
[72] KRAUS, MAIK, DE
[71] KES-TECH-GROUP GMBH, DE
[85] 2023-07-28
[86] 2022-01-18 (PCT/EP2022/051023)
[87] (WO2022/167214)
[30] EP (21154949.8) 2021-02-03
[30] EP (21192439.4) 2021-08-20

[21] **3,206,947**
[13] A1
[25] EN
[54] **AERIAL SENSOR AND MANIPULATION PLATFORM FOR FARMING AND METHOD OF USING SAME**
[54] **PLATE-FORME AERIENNE DE DETECTION ET DE MANIPULATION POUR L'AGRICULTURE ET PROCEDE D'UTILISATION D?UNE TELLE PLATE-FORME**
[72] SCHONHERR, RALF, US
[72] MAIR, ELMAR, US
[71] NEATLEAF, INC., US
[85] 2023-07-28
[86] 2022-01-27 (PCT/US2022/014149)
[87] (WO2022/165070)
[30] US (63/143,684) 2021-01-29
[30] US (17/586,118) 2022-01-27

[21] **3,206,948**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD FOR ACCURATELY POSITIONING NAVIGATION TARGET POINT**
[54] **PROCEDE DE POSITIONNEMENT PRECIS D'UN POINT CIBLE DE NAVIGATION**
[72] FEI, DAI, CN
[72] XU, SHUNLI, CN
[72] GONG, XIAOPENG, CN
[72] WANG, YU, CN
[72] YAO, FENGJIE, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
[85] 2023-07-28
[86] 2022-08-10 (PCT/CN2022/111436)
[87] (WO2023/024903)
[30] CN (202110985093.8) 2021-08-25

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[13] A1
[51] **Int.Cl. F04C 2/08 (2006.01) F04C 2/10 (2006.01) F04C 2/344 (2006.01) F04C 23/02 (2006.01)**
[25] EN
[54] **ELECTRIC MOTOR WITH DUAL PUMP FOR PROVIDING SCAVENGE AND DELIVERY FUNCTIONS**
[54] **MOTEUR ELECTRIQUE A DOUBLE POMPE POUR FOURNIR DES FONCTIONS D?EVACUATION ET DE DISTRIBUTION**
[72] ROSINSKI, RYAN DAVID, US
[71] GHSP, INC., US
[85] 2023-07-28
[86] 2022-02-18 (PCT/IB2022/051472)
[87] (WO2022/180496)
[30] US (63/153,984) 2021-02-26

[21] **3,206,951**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **MARKERS OF PREDICTION OF RESPONSE TO CAR T CELL THERAPY**
[54] **MARQUEURS DE PREDICTION DE LA REPONSE A UNE THERAPIE PAR LYMPHOCYTES CAR T**
[72] ESTELLER BADOSA, MANEL, ES
[72] VILLANUEVA LEGARDA, LOREA, ES
[72] GARCIA PRIETO, CARLOS ANTONIO, ES
[71] FUNDACIO INSTITUT DE RECERCA CONTRA LA LEUCEMIA JOSEP CARRERAS, ES
[71] BARCELONA SUPERCOMPUTING CENTER - CENTRO NACIONAL DE SUPERCOMPUTACION, ES
[71] INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS, ES
[85] 2023-07-28
[86] 2022-02-25 (PCT/EP2022/054803)
[87] (WO2022/180216)
[30] EP (21382168.9) 2021-02-26
[30] EP (21382815.5) 2021-09-10

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[13] A1
[51] **Int.Cl. F16F 1/12 (2006.01) A47D 9/02 (2006.01) F16F 1/06 (2006.01)**
[25] EN
[54] **NOVEL SAFETY SPRING MOUNTING CLIP**
[54] **NOUVELLE BOUCLE DE MONTAGE DE RESSORT DE SECURITE**
[72] QUAH, YOW CHUN, CN
[71] FOTOGEARS TRADING (GUANGZHOU) LTD, CN
[85] 2023-07-28
[86] 2022-01-12 (PCT/CN2022/071587)
[87] (WO2022/161171)
[30] CN (202120281370.2) 2021-02-01

[21] **3,206,954**
[13] A1
[25] EN
[54] **METHOD FOR PRODUCING A MOLD ELEMENT FOR PRODUCING MICROARRAYS, AND MOLD ELEMENT**
[54] **PROCEDE DE PRODUCTION D?UN ELEMENT DE MOULE PERMETTANT LA PRODUCTION DE MICRORESEAUX, ET ELEMENT DE MOULE**
[72] GRUNWALD, OLGA, DE
[72] KULIK, MICHAEL, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-28
[86] 2022-01-13 (PCT/EP2022/050670)
[87] (WO2022/167191)
[30] DE (10 2021 102 555.9) 2021-02-04

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[13] A1
[51] **Int.Cl. A61K 31/4045 (2006.01) A61K 31/194 (2006.01) A61P 9/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07C 65/11 (2006.01) C07D 209/16 (2006.01) C07D 213/80 (2006.01)**
[25] EN
[54] **DMT SALTS AND THEIR USE TO TREAT BRAIN INJURY**
[54] **SELS DE DMT ET LEUR UTILISATION POUR TRAITER UNE LESION CEREBRALE**
[72] WILLIAMS, MARK, CA
[72] BRYAN, CHRISTOPHER, CA
[71] ALGERNON PHARMACEUTICALS INC., CA
[85] 2023-07-28
[86] 2022-01-28 (PCT/CA2022/050121)
[87] (WO2022/160056)
[30] US (63/143,679) 2021-01-29
[30] US (63/143,688) 2021-01-29
[30] US (63/143,695) 2021-01-29
[30] US (63/187,681) 2021-05-12
[30] US (63/273,612) 2021-10-29

[21] **3,206,957**
[13] A1
[25] EN
[54] **APPARATUS FOR COOKING FOOD**
[54] **APPAREIL DE CUISSON D'ALIMENTS**
[72] BARIVIERA, DIEGO, IT
[72] BORGIANI, LORENZO, IT
[72] CRISA, FABRIZIO, IT
[71] ELICA S.P.A, IT
[85] 2023-07-28
[86] 2022-02-03 (PCT/IB2022/050943)
[87] (WO2022/167966)
[30] IT (102021000002570) 2021-02-05

[21] **3,207,008**
[13] A1
[51] **Int.Cl. A61B 17/3205 (2006.01)**
[25] EN
[54] **MAGNETIC DEVICES FOR RESECTIONING A PORTION OF A BODILY ORGAN**
[54] **DISPOSITIFS MAGNETIQUES DE RESECTION D?UNE PARTIE D?UN ORGANE CORPOREL**
[72] GAGNER, MICHEL, CA
[71] BALLAST MEDICAL INC., CA
[85] 2023-07-31
[86] 2022-10-14 (PCT/CA2022/051515)
[87] (WO2023/060357)
[30] US (63/262,577) 2021-10-15

[21] **3,207,016**
[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01) F24S 80/50 (2018.01)**
[25] EN
[54] **MULTI-PANE INSULATING GLASS UNIT HAVING A RIGID FRAME FOR A THIRD PANE AND METHOD OF MAKING THE SAME**
[54] **VITRAGE ISOLANT A VITRES MULTIPLES AYANT UN CADRE RIGIDE POUR UNE TROISIEME VITRE ET SON PROCEDE DE FABRICATION**
[72] SHABANI, ROXANA, US
[72] MCCAMY, JAMES W., US
[72] DAVIS, WILLIAM II, US
[71] VITRO FLAT GLASS LLC, US
[85] 2023-07-31
[86] 2022-02-17 (PCT/US2022/016700)
[87] (WO2022/178061)
[30] US (63/150,346) 2021-02-17
[30] US (17/672,227) 2022-02-15

[21] **3,207,019**
[13] A1
[51] **Int.Cl. A24C 5/46 (2006.01)**
[25] EN
[54] **CONE ROLLING MACHINE**
[54] **MACHINE A ROULER DES CONES**
[72] GEREZ SABORIT, JULIO, MX
[72] GEREZ GREISER, GABRIEL, MX
[72] WATTS, STEVEN, CA
[71] ROBOROOTS IP HOLDING LIMITED, AE
[71] WATTS, STEVEN, CA
[85] 2023-07-31
[86] 2022-01-31 (PCT/CA2022/050129)
[87] (WO2022/160062)
[30] US (63/144,404) 2021-02-01

[21] **3,207,021**
[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01) F24S 80/50 (2018.01)**
[25] EN
[54] **MULTI-PANE INSULATED GLASS UNIT HAVING A RELAXED FILM FORMING A THIRD PANE AND METHOD OF MAKING THE SAME**
[54] **UNITE DE VERRE ISOLE A VITRES MULTIPLES AVEC FILM RELACHE FORMANT UNE TROISIEME VITRE ET PROCEDE POUR SA FABRICATION**
[72] SHABANI, ROXANA, US
[72] MCCAMY, JAMES W., US
[72] DAVIS, WILLIAM II, US
[71] VITRO FLAT GLASS LLC, US
[85] 2023-07-31
[86] 2022-02-16 (PCT/US2022/016556)
[87] (WO2022/177956)
[30] US (63/150,222) 2021-02-17
[30] US (17/670,859) 2022-02-14

[21] **3,207,025**
[13] A1
[51] **Int.Cl. A47L 11/24 (2006.01)**
[25] EN
[54] **ESCAPING METHOD AND APPARATUS OF CLEANING ROBOT, MEDIUM AND ELECTRONIC DEVICE**
[54] **METHODE D'ECHAPPEMENT DE ROBOT DE NETTOYAGE ET APPAREIL, SUPPORT ET DISPOSITIF ELECTRONIQUE**
[72] WANG, LEI, CN
[72] ZHANG, LEI, CN
[71] BEIJING ROBOROCK INNOVATION TECHNOLOGY CO., LTD., CN
[85] 2023-07-31
[86] 2021-06-09 (PCT/CN2021/099201)
[87] (WO2022/170712)
[30] CN (202110184810.7) 2021-02-10

[21] **3,207,026**
[13] A1
[51] **Int.Cl. C09B 67/22 (2006.01) C09B 67/42 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING INDOCYANINE GREEN**
[54] **PROCEDE DE PREPARATION DE VERT D?INDOCYANINE**
[72] DE ZANI, DANIELE, IT
[72] PARMA, SIMONE, IT
[71] ICROM SRL, IT
[85] 2023-07-31
[86] 2022-03-21 (PCT/IB2022/052551)
[87] (WO2022/200991)
[30] IT (102021000006794) 2021-03-22

[21] **3,207,027**
[13] A1
[25] FR
[54] **LIGHTWEIGHT TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS**
[54] **PNEUMATIQUE ALLEGE COMPORTANT UNE COUCHE D'ELEMENTS DE RENFORCEMENT CIRCONFERENTIELS**
[72] JOULIN, EMMANUEL, FR
[72] FOURNIER, OREL, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-07-31
[86] 2022-04-11 (PCT/FR2022/050683)
[87] (WO2022/219279)
[30] FR (FR2103735) 2021-04-12

[21] **3,207,028**
[13] A1
[25] FR
[54] **LIGHTWEIGHT TYRE COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS**
[54] **PNEUMATIQUE ALLEGE COMPORTANT UNE COUCHE D'ELEMENTS DE RENFORCEMENT CIRCONFERENTIELS**
[72] JOULIN, EMMANUEL, FR
[72] FOURNIER, OREL, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-07-31
[86] 2022-04-11 (PCT/FR2022/050684)
[87] (WO2022/219280)
[30] FR (FR2103739) 2021-04-12

[21] **3,207,031**
[13] A1
[51] **Int.Cl. F17C 13/06 (2006.01)**
[25] EN
[54] **CYLINDER WITH CORE IN PLASTIC MATERIAL AND SURFACE COVERING IN COMPOSITE MATERIAL PROVIDED WITH NOZZLE AND RELATED METHOD OF PRODUCTION**
[54] **CYLINDRE AVEC NOYAU EN MATIERE PLASTIQUE ET REVETEMENT DE SURFACE EN MATERIAU COMPOSITE POURVU D'UNE BUSE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] ARTUSI, GIOVANNI, IT
[71] CARBON CYLINDER S.R.L., IT
[85] 2023-07-31
[86] 2022-01-26 (PCT/EP2022/051775)
[87] (WO2022/175041)
[30] IT (102021000003650) 2021-02-17

[21] **3,207,033**
[13] A1
[51] **Int.Cl. B63B 32/57 (2020.01)**
[25] EN
[54] **A WATER SPORTS BOARD STRUCTURE AND A METHOD FOR MAKING THE SAME**
[54] **STRUCTURE DE PLANCHE DE SPORT NAUTIQUE ET SON PROCEDE DE FABRICATION**
[72] DANESE, ALESSANDRO, IT
[72] PIGA, MICHELE, IT
[71] ITALIANWAVES S.R.L., IT
[85] 2023-07-31
[86] 2022-02-02 (PCT/IB2022/050923)
[87] (WO2022/167957)
[30] IT (102021000002261) 2021-02-02

[21] **3,207,034**
[13] A1
[51] **Int.Cl. A61K 31/175 (2006.01)**
[25] FR
[54] **ANTISENSE OLIGONUCLEOTIDES FOR USE THEREOF IN CANCER TREATMENT**
[54] **OLIGONUCLEOTIDES ANTI-SENS POUR LEUR UTILISATION DANS UN TRAITEMENT ANTICANCEREUX**
[72] HUMBERT, SANDRINE, FR
[72] AGASSE, FABIENNE, FR
[72] SAUDOU, FREDERIC, FR
[72] RAYANE, KASSEM, FR
[71] UNIVERSITE GRENOBLES ALPES, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE, FR
[85] 2023-07-31
[86] 2022-03-18 (PCT/FR2022/050497)
[87] (WO2022/200720)
[30] FR (FR2102992) 2021-03-25

[21] **3,207,035**
[13] A1
[51] **Int.Cl. B60C 13/04 (2006.01) B60B 7/01 (2006.01) B60B 7/02 (2006.01) B60B 7/04 (2006.01) B60B 7/08 (2006.01)**
[25] EN
[54] **SIDEWALL INSERT FOR A MOTORCYCLE TYRE**
[54] **INSERT DE FLANC POUR PNEUMATIQUE POUR MOTOCYLCETTE**
[72] VILCOT, FLORIAN, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-07-31
[86] 2022-03-01 (PCT/FR2022/050361)
[87] (WO2022/185004)
[30] FR (FR2102041) 2021-03-03

[21] **3,207,036**
[13] A1
[51] **Int.Cl. A23P 10/35 (2016.01) A23K 20/158 (2016.01) A23L 33/12 (2016.01) A61K 31/19 (2006.01)**
[25] FR
[54] **GRANULES CONTAINING AN ACTIVE SUBSTANCE, METHOD FOR PREPARING SAME AND USE THEREOF IN FOOD FOR HUMAN CONSUMPTION OR ANIMAL FEED**
[54] **GRANULES CONTENANT UNE SUBSTANCE ACTIVE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION EN ALIMENTATION HUMAINE OU ANIMALE**
[72] CHAIGNEAU, CARINE, FR
[72] HUET, ROBERT, FR
[72] VENDEVILLE, JEAN-EUDES, FR
[71] IDCAPS, FR
[85] 2023-07-31
[86] 2022-03-04 (PCT/EP2022/055609)
[87] (WO2022/184911)
[30] FR (FR2102169) 2021-03-05

[21] **3,207,037**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROVIDING VISUAL DEVICE STATUS VIA A PERIPHERAL DEVICE**
[54] **SYSTEME DESTINE A FOURNIR UN STATUT DE DISPOSITIF VISUEL PAR L'INTERMEDIAIRE D'UN DISPOSITIF PERIPHERIQUE**
[72] KUBAJAK, DAVID, US
[72] NGUYEN, MIKE, US
[72] BLEVENS, CHRIS, US
[71] JCM AMERICAN CORPORATION, US
[85] 2023-07-31
[86] 2022-02-15 (PCT/US2022/070665)
[87] (WO2022/178503)
[30] US (17/249,112) 2021-02-19

[21] **3,207,042**
[13] A1
[51] **Int.Cl. A23L 33/18 (2016.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 19/10 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING, AMELIORATING, OR TREATING DISEASE CAUSED BY PROTEIN NITRATION COMPRISING PEPTIDE WITH TERMINAL TYROSINE AS EFFECTIVE COMPONENT**
[54] **COMPOSITION POUR LA PREVENTION, LE SOULAGEMENT OU LE TRAITEMENT D?UNE MALADIE CAUSEE PAR LA NITRATION D?UNE PROTEINE, CONTENANT UN PEPTIDE COMPORTANT UNE TYROSINE SITUEE A UNE TERMINAISON EN TANT QUE SUBSTANCE ACTIV**
[72] KIM, HYUN JOON, KR
[72] KIM, YOUNG BUM, KR
[72] KANG, JAE SOON, KR
[72] JUNG, SOONWOONG, KR
[72] SONG, MIYOUNG, KR
[72] BAEK, JI HYEONG, KR
[72] PARK, SANG WON, KR
[72] KIM, HWAJIN, KR
[72] YOO, DAE YOUNG, KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION GYEONGSANG NATIONAL UNIVERSITY, KR
[85] 2023-07-31
[86] 2022-02-23 (PCT/KR2022/002673)
[87] (WO2022/182141)
[30] KR (10-2021-0024072) 2021-02-23

[21] **3,207,046**
[13] A1
[51] **Int.Cl. G01S 7/487 (2006.01) G01S 7/495 (2006.01) G01S 13/10 (2006.01) G01S 17/10 (2020.01)**
[25] EN
[54] **RADAR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE RADAR**
[72] MASKIL, NISSAN, IL
[72] KARASIK, DAVID, IL
[72] RAVE, ERAN, IL
[71] ELTA SYSTEMS LTD., IL
[85] 2023-07-31
[86] 2022-01-20 (PCT/IL2022/050083)
[87] (WO2022/168079)
[30] IL (280705) 2021-02-07

[21] **3,207,048**
[13] A1
[51] **Int.Cl. E04C 3/14 (2006.01)**
[25] EN
[54] **BEAM FOR CONSTRUCTING WOOD-FRAMED BUILDINGS, CONSTRUCTION ELEMENT INCORPORATING SAID BEAM AND BUILDING CONSTRUCTED WITH AT LEAST ONE SUCH ELEMENT**
[54] **POUTRELLE POUR LA CONSTRUCTION DE BATIMENTS A OSSATURE BOIS, ELEMENT DE CONSTRUCTION L'INCORPORANT, ET BATIMENT CONSTRUIT AVEC AU MOINS UN TEL ELEMENT**
[72] SCHMIDT, ROLAND, FR
[71] SCHMIDT, ROLAND, FR
[85] 2023-07-31
[86] 2022-03-01 (PCT/EP2022/055041)
[87] (WO2022/184663)
[30] FR (FR2102099) 2021-03-04

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[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61K 31/5377 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **IRAK4 DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION D'IRAK4 ET LEURS UTILISATIONS**
[72] GOLLOB, JARED, US
[72] DAVIS, JEFFREY, US
[72] MCDONALD, ALICE, US
[72] RONG, HAOJING, US
[71] KYMERA THERAPEUTICS, INC, US
[85] 2023-07-31
[86] 2022-02-15 (PCT/US2022/070662)
[87] (WO2022/174268)
[30] US (63/149,621) 2021-02-15
[30] US (63/263,055) 2021-10-26
[30] US (63/265,466) 2021-12-15

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[13] A1
[51] **Int.Cl. A61K 47/44 (2017.01) C08L 3/02 (2006.01)**
[25] EN
[54] **POLYSACCHARIDE COMPLEX**
[54] **COMPLEXE DE POLYSACCHARIDE**
[72] ULSEMER, PHILIPPE, DE
[72] TOUTOUNIAN, KAWE, DE
[71] ACARYON GMBH, DE
[85] 2023-07-31
[86] 2022-02-17 (PCT/EP2022/053948)
[87] (WO2022/175390)
[30] EP (21157724.2) 2021-02-17
[30] LU (LU102545) 2021-02-17

[21] **3,207,051**
[13] A1
[51] **Int.Cl. A01H 6/20 (2018.01) A01H 5/12 (2018.01)**
[25] EN
[54] **ALBUGO-CANDIDA-RESISTANT BRASSICA OLERACEA PLANTS**
[54] **PLANTES DE BRASSICA OLERACEA RESISTANTES A ALBUGO-CANDIDA**
[72] LIGTHART, JOHANNES THEODORUS WILHELMUS, NL
[72] WIJNGAARDEN, JAN SYBE, NL
[72] HOOGLAND, JOHANNES GERARDUS MARIA, NL
[72] JANSSEN, HUBERTUS THEODORUS MARIA, NL
[72] VEENSTRA, ROELOF MARINUS, NL
[72] SCHRIJVER, ALBERTUS JOHANNES MARIA, NL
[71] BEJO ZADEN B.V., NL
[85] 2023-07-31
[86] 2021-02-24 (PCT/EP2021/054588)
[87] (WO2022/179682)

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[13] A1
[25] EN
[54] **AGEING-STABLE SEALING SHEET**
[54] **FEUILLE D'ETANCHEITE STABLE AU VIEILLISSEMENT**
[72] BACHON, THOMAS, DE
[72] FLAIG, RONALD, DE
[72] HARFMANN, CARSTEN, DE
[72] LAUR, RUDIGER, DE
[72] WEEKE, YVONNE, DE
[71] EWALD DORKEN AG, DE
[85] 2023-07-31
[86] 2021-12-16 (PCT/EP2021/086218)
[87] (WO2022/171338)
[30] DE (10 2021 103 033.1) 2021-02-09

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **POLYMORPH OF LATREPIRDINE DIHYDROCHLORIDE**
[54] **POLYMORPHE DE DICHLORHYDRATE DE LATREPIDINE**
[72] YUROVSKAYA, MARINA, RU
[72] GORINE, BORIS, CA
[71] BIGESPAS LTD., GB
[71] GORINE, BORIS, CA
[85] 2023-07-31
[86] 2022-01-31 (PCT/CA2022/050136)
[87] (WO2022/160066)
[30] US (17/164,583) 2021-02-01

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[13] A1
[51] **Int.Cl. A23L 17/60 (2016.01)**
[25] EN
[54] **PACKAGED EDIBLE MATERIALS**
[54] **MATIERES COMESTIBLES EMBALLEES**
[72] CORBY, DODD, US
[72] MINARD, REBECCA, US
[72] BIANCA, JENNIFER, US
[72] BUTTRICK, DANIEL, US
[72] REISMAN, AMANDA, US
[72] FRANCHI, DANIELLE, US
[72] WALSH, KERRI, US
[71] SMARTPAK EQUINE LLC, US
[85] 2023-08-01
[86] 2021-12-14 (PCT/US2021/063274)
[87] (WO2022/169510)
[30] US (63/144,801) 2021-02-02

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[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01)**
[25] EN
[54] **MULTIPURPOSE COMPOSITIONS FOR COLLECTING AND TRANSPORTING BIOLOGICAL MATERIAL**
[54] **COMPOSITIONS MULTIFONCTIONNELLES POUR COLLECTER ET TRANSPORTER UN MATERIAU BIOLOGIQUE**
[72] DAUM, LUKE T., US
[72] FISCHER, GERALD W., US
[71] LONGHORN VACCINES AND DIAGNOSTICS, LLC, US
[85] 2023-08-01
[86] 2022-01-19 (PCT/US2022/012925)
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[30] US (63/145,870) 2021-02-04

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[13] A1
[25] EN
[54] **DNASE FUSION POLYPEPTIDES AND RELATED COMPOSITIONS AND METHODS**
[54] **POLYPEPTIDES DE FUSION DNASE, COMPOSITIONS ET METHODES ASSOCIEES**
[72] LEDBETTER, JEFFREY A., US
[72] HAYDEN-LEDBETTER, MARTHA S., US
[71] THERIPION, INC., US
[85] 2023-08-01
[86] 2022-02-17 (PCT/US2022/016736)
[87] (WO2022/178090)
[30] US (63/151,236) 2021-02-19
[30] US (63/151,272) 2021-02-19

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[25] EN
[54] **SYNTHETIC SOIL SUBSTRATE SYSTEM FOR GROWING A PLANT**
[54] **SYSTEME DE SUBSTRAT DE SOL SYNTHETIQUE DESTINE A LA CULTURE D'UNE PLANTE**
[72] SEXTON, JAY DANIEL, US
[71] ATOMIC SOIL, LLC, US
[85] 2023-08-01
[86] 2022-02-03 (PCT/US2022/015118)
[87] (WO2022/169977)
[30] US (63/145,395) 2021-02-03

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[51] **Int.Cl. H04W 4/38 (2018.01) H04W 52/08 (2009.01) H04W 84/20 (2009.01) H04W 4/80 (2018.01)**
[25] EN
[54] **EMBEDDED SENSORS AND SYSTEMS EXPLOITING EMBEDDED SENSORS**
[54] **CAPTEURS INTEGRES ET SYSTEMES EXPLOITANT DES CAPTEURS INTEGRES**
[72] FAHIM, ANDREW, CA
[72] ALIZADEH, ROUHOLLAH, CA
[72] GHODS, POURIA, CA
[72] SALEHI, MUSTAFA, CA
[72] DE CARUFEL, SARAH, CA
[71] GIATEC SCIENTIFIC, CA
[85] 2023-08-01
[86] 2022-02-01 (PCT/CA2022/050141)
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[30] US (63/199,901) 2021-02-01

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[13] A1
[51] **Int.Cl. B62B 5/04 (2006.01) G06Q 30/02 (2023.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND/OR METHOD FOR BRAKING A SHOPPING CART**
[54] **APPAREIL, SYSTEME ET/OU PROCEDE DE FREINAGE D'UN CADDIE**
[72] FREELAND, NATHAN, CA
[72] FREELAND, DAVID, CA
[71] FREELAND, NATHAN, CA
[71] FREELAND, DAVID, CA
[85] 2023-08-01
[86] 2021-02-05 (PCT/CA2021/050126)
[87] (WO2022/165579)

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[51] **Int.Cl. E04D 13/076 (2006.01) E04H 12/28 (2006.01)**
[25] EN
[54] **EFFICIENT CONTROL OF A HEATING ELEMENT**
[54] **COMMANDE EFFICACE D'UN ELEMENT CHAUFFANT**
[72] CLARDY, THOMAS W., US
[72] KUCK, KAI, US
[71] CLARDY, THOMAS W., US
[71] KUCK, KAI, US
[85] 2023-08-01
[86] 2022-02-02 (PCT/US2022/014997)
[87] (WO2022/169912)
[30] US (63/144,901) 2021-02-02

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[51] **Int.Cl. G06T 7/10 (2017.01) G16H 30/40 (2018.01) G16H 50/50 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED SEGMENTATION OF PATIENT SPECIFIC ANATOMIES FOR PATHOLOGY SPECIFIC MEASUREMENTS**
[54] **SYSTEMES ET PROCEDES DE SEGMENTATION AUTOMATISEE D'ANATOMIES SPECIFIQUES A UN PATIENT POUR DES MESURES SPECIFIQUES DE PATHOLOGIE**
[72] CRAWFORD, DANIEL, GB
[72] HANRATTY, RORY, GB
[72] DONNELLY, LUKE, GB
[72] TRINDADE, LUIS, GB
[72] SCHWARZ, THOMAS, GB
[72] HARPUR, ADAM, GB
[71] AXIAL MEDICAL PRINTING LIMITED, GB
[85] 2023-08-01
[86] 2022-02-10 (PCT/IB2022/051216)
[87] (WO2022/172201)
[30] GB (2101908.8) 2021-02-11

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[13] A1
[51] **Int.Cl. A47K 10/42 (2006.01) A47K 10/32 (2006.01) B65B 13/20 (2006.01)**
[25] EN
[54] **A REFILLABLE DISPENSER FOR USE WITH A STACK OF SHEET MATERIAL**
[54] **DISTRIBUTEUR RECHARGEABLE DESTINE A ETRE UTILISE AVEC UNE PILE DE MATERIAU EN FEUILLE**
[72] SHIHOR, ROI, IL
[71] BAMBOX LTD., IL
[85] 2023-08-01
[86] 2022-02-02 (PCT/IL2022/050142)
[87] (WO2022/168088)
[30] US (63/144,569) 2021-02-02

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[13] A1
[51] **Int.Cl. G06V 40/16 (2022.01)**
[25] EN
[54] **QUANTIFYING AND VISUALIZING CHANGES OVER TIME TO HEALTH AND WELLNESS**
[54] **QUANTIFICATION ET VISUALISATION DE CHANGEMENTS DE LA SANTE ET DU BIEN-ETRE AU FIL DU TEMPS**
[72] SMARTT, JAMES M. JR., US
[72] COMSTOCK, BRYAN ALLAN, US
[72] DHILLON, NAVDEEP S., US
[72] KELLY, JASON DAVID, US
[72] SPENCER, DAVID S., US
[72] TUSK, CARSTEN, US
[71] LOVEMYDELTA INC., US
[85] 2023-08-01
[86] 2022-02-02 (PCT/US2022/014959)
[87] (WO2022/169886)
[30] US (63/145,463) 2021-02-03

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **GENE SILENCING**
[54] **SILENCAGE GENIQUE**
[72] LOMBARDO, ANGELO LEONE, IT
[72] RESCHIGNA, ALICE, IT
[72] BACCEGA, TANIA, IT
[71] EPSILEN BIO S.R.L., IT
[85] 2023-08-01
[86] 2022-02-01 (PCT/EP2022/052372)
[87] (WO2022/162247)
[30] EP (21154639.5) 2021-02-01

[21] **3,207,174**
[13] A1
[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] LI, XU, AU
[72] GRAS, SALLY LOUISE, AU
[72] SPENCER, GARRICK WESTLEY KYLE, AU
[71] SUN PHARMACEUTICAL INDUSTRIES (AUSTRALIA) PTY LIMITED, AU
[85] 2023-08-01
[86] 2022-02-09 (PCT/AU2022/050077)
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[30] GB (2101796.7) 2021-02-10

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[13] A1
[51] **Int.Cl. A01N 33/22 (2006.01) A01N 35/10 (2006.01) A01N 37/40 (2006.01) A01N 41/10 (2006.01) A01N 43/10 (2006.01) A01N 43/16 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01N 43/70 (2006.01) A01N 43/707 (2006.01) A01N 43/80 (2006.01) A01N 43/824 (2006.01) A01N 43/84 (2006.01) A01N 43/88 (2006.01) A01N 47/12 (2006.01) A01N 47/16 (2006.01) A01N 47/24 (2006.01) A01N 47/30 (2006.01) A01N 47/34 (2006.01) A01N 47/36 (2006.01) A01N 47/38 (2006.01) A01N 57/20 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITION**
[54] **COMPOSITION HERBICIDE**
[72] HORIKOSHI, HUMBERTO MITIO, JP
[72] KATO, KAZUSHIGE, JP
[72] IKEDA, YOJI, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2023-08-01
[86] 2022-03-18 (PCT/JP2022/012499)
[87] (WO2022/202642)
[30] JP (2021-047968) 2021-03-22

[21] **3,207,177**
[13] A1
[51] **Int.Cl. C08L 33/14 (2006.01) C08L 63/10 (2006.01)**
[25] EN
[54] **CROSSLINKABLE ACRYLIC-MODIFIED EPOXY COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT EPOXY MODIFIEE PAR DE L?ACRYLIQUE POUVANT ETRE RETICULE**
[72] YANG, LEI, US
[72] KIM, KYU-JUN, US
[72] SCHNEIDER, JEFFREY A., US
[72] WU, WENJUN, US
[72] CAO, JINBAO, US
[71] ARKEMA, INC., US
[85] 2023-08-01
[86] 2022-02-02 (PCT/US2022/014828)
[87] (WO2022/169796)
[30] US (63/145,024) 2021-02-03

[21] **3,207,183**
[13] A1
[51] **Int.Cl. A24D 1/18 (2006.01) A24D 1/20 (2020.01)**
[25] EN
[54] **AEROSOL-GENERATING ROD WITH MULTIPLE AEROSOL-GENERATING SEGMENTS**
[54] **TIGE DE GENERATION D'AEROSOL AVEC DE MULTIPLES SEGMENTS DE GENERATION D'AEROSOL**
[72] BATISTA, RUI NUNO RODRIGUES ALVES, CH
[72] BEDASSO, BEKELE ALEMU, CH
[72] BONGIOVANNI, GIANLUCA, CH
[72] OLIANA, VALERIO, CH
[72] SEREDA, ALEXANDRA, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2023-08-01
[86] 2022-01-28 (PCT/EP2022/052083)
[87] (WO2022/167342)
[30] EP (21154825.0) 2021-02-02

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 3/07 (2021.01) C25B 3/25 (2021.01) C25B 3/26 (2021.01) C25B 9/23 (2021.01) C25B 9/77 (2021.01)**
[25] EN
[54] **COX ELECTROLYZER CELL FLOW FIELDS AND GAS DIFFUSION LAYERS**
[54] **CHAMPS D'ECOULEMENT DE CELLULES D'ELECTROLYSEUR CO X ET COUCHES DE DIFFUSION DE GAZ**
[72] BEKKEDAHL, TIMOTHY A., US
[72] CORP, KATHRYN L., US
[72] MA, SICHAO, US
[72] KUHL, KENDRA P., US
[72] STONE, SIMON GREGORY, US
[72] GOEBEL, STEVEN GEORGE, US
[71] TWELVE BENEFIT CORPORATION, US
[85] 2023-08-01
[86] 2022-02-01 (PCT/US2022/070462)
[87] (WO2022/170314)
[30] US (63/199,931) 2021-02-03
[30] US (63/203,497) 2021-07-26

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[13] A1
[51] **Int.Cl. C07D 453/02 (2006.01)**
[25] EN
[54] **HIGH LOADING ORAL FILM FORMULATION**
[54] **FORMULATION DE FILM ORAL A CHARGE ELEVEE**
[72] TIR, BILLAL, CA
[72] PAIEMENT, NADINE, CA
[71] INTELGENX CORP., CA
[85] 2023-08-01
[86] 2022-02-07 (PCT/CA2022/050171)
[87] (WO2022/165607)
[30] US (63/146,458) 2021-02-05
[30] US (63/146,706) 2021-02-07

[21] **3,207,188**
[13] A1
[25] EN
[54] **METHOD FOR PROVIDING A PERMANENT BARRIER IN A WELL**
[54] **PROCEDE DE FORMATION D'UNE BARRIERE PERMANENTE DANS UN PUITS**
[72] RUSTEN, TORGEIR, NO
[72] TONDEL, STIAN, NO
[71] INTERWELL P&A AS, NO
[85] 2023-08-01
[86] 2022-03-10 (PCT/EP2022/056116)
[87] (WO2022/194655)
[30] NO (20210354) 2021-03-19

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[13] A1
[51] **Int.Cl. C07K 14/715 (2006.01)**
[25] EN
[54] **ADENOVIRUS ENCODING 1L-15**
[54] **ADENOVIRUS CODANT POUR IL-15**
[72] CHAMPION, BRIAN ROBERT, GB
[72] ZONCA, MANUELA, GB
[71] AKAMIS BIO LIMITED, GB
[85] 2023-08-01
[86] 2022-02-14 (PCT/EP2022/053477)
[87] (WO2022/171853)
[30] GB (2102049.0) 2021-02-13

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[13] A1
[51] **Int.Cl. A61P 25/24 (2006.01)**
[25] EN
[54] **VOLTAGE-GATED POTASSIUM CHANNEL OPENER FOR USE IN TREATING ANHEDONIA**
[54] **OUVREUR DE CANAUX POTASSIQUES SENSIBLES A LA TENSION DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE L'ANHEDONIE**
[72] PIMSTONE, SIMON NEIL, CA
[71] XENON PHARMACEUTICALS, INC., CA
[85] 2023-08-01
[86] 2022-02-09 (PCT/US2022/015854)
[87] (WO2022/173855)
[30] US (63/147,742) 2021-02-09

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2023.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR MANAGING LOST ITEMS**
[54] **PROCEDE ET SYSTEME DE GESTION D'OBJETS PERDUS**
[72] BASTIDAS, TUPAC, GB
[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB
[85] 2023-08-01
[86] 2022-02-25 (PCT/GB2022/050519)
[87] (WO2022/180408)
[30] GB (2102812.1) 2021-02-26
[30] EP (21169001.1) 2021-04-16

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[25] EN
[54] **FOSPROPOFOL METHODS AND COMPOSITIONS**
[54] **PROCEDES ET COMPOSITIONS DE FOSPROPOFOL**
[72] KRILL, STEVEN L., US
[72] CHEN, FENG-JING, US
[72] MURPHY, RANDALL B., US
[72] ROGAWSKI, MICHAEL A., US
[72] HELLER, ALLEN, US
[72] MAGRAB, EDWARD BRENDAN, US
[72] ANDREW, SAMUEL, US
[71] EPALEX CORPORATION, US
[85] 2023-08-01
[86] 2021-12-27 (PCT/US2021/065225)
[87] (WO2022/169520)
[30] US (17/168,365) 2021-02-05
[30] US (17/466,016) 2021-09-03
[30] US (17/387,059) 2021-07-28
[30] US (17/465,966) 2021-09-03
[30] US (17/217,656) 2021-03-30

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[13] A1
[51] **Int.Cl. A21D 8/04 (2006.01) A23L 29/212 (2016.01) A23L 33/21 (2016.01) A21D 13/064 (2017.01) A21D 13/066 (2017.01) C12P 19/18 (2006.01)**
[25] EN
[54] **NOVEL ANTI-STALING ENZYME, AND METHODS, DOUGHS AND BAKED FOOD PRODUCTS RELATING THERETO**
[54] **NOUVELLE ENZYME ANTI-RANCISSEMENT, AINSI QUE PROCEDES, PATES ET PRODUITS ALIMENTAIRES CUITS ASSOCIES A CETTE DERNIERE**
[72] DUISTERWINKEL, WOUTER JAN, NL
[72] LEEMHUIS, REINDER JOHANNES, NL
[71] COOPERATIE KONINKLIJKE AVEBE U.A., NL
[85] 2023-08-01
[86] 2022-02-02 (PCT/NL2022/050048)
[87] (WO2022/169357)
[30] EP (21154734.4) 2021-02-02

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[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01)**
[25] EN
[54] **LIQUID HERBICIDAL COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES LIQUIDES**
[72] MERTOGLU, MURAT, DE
[72] MEIER, WOLFGANG, DE
[72] KUHN, STEFFEN, DE
[71] BASF SE, DE
[85] 2023-08-01
[86] 2022-02-04 (PCT/EP2022/052699)
[87] (WO2022/167577)
[30] EP (21155535.4) 2021-02-05

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[13] A1
[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **BEVERAGE SYSTEM**
[54] **SYSTEME DE BOISSON**
[72] DOAN, JIMMY-QUANG VIET, US
[71] EVVE INC., US
[85] 2023-08-01
[86] 2022-02-08 (PCT/US2022/015639)
[87] (WO2022/173739)
[30] US (63/147,524) 2021-02-09

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[13] A1
[51] **Int.Cl. A47J 42/44 (2006.01) A47J 31/52 (2006.01) A47J 42/50 (2006.01)**
[25] EN
[54] **AUTOMATEDLY ADJUSTABLE COFFEE MACHINE AND ASSOCIATED COFFEE-BEAN CONTAINER**
[54] **MACHINE A CAFE A REGLAGE AUTOMATISE ET RESERVOIR DE GRAINS DE CAFE ASSOCIE**
[72] KUTEMEYER, MARIUS, DE
[72] MAIER, DOMINIK, DE
[72] UNGER, MARKUS, DE
[71] NEXT LEVEL COFFEE GMBH, DE
[85] 2023-08-01
[86] 2022-02-04 (PCT/EP2022/052665)
[87] (WO2022/167560)
[30] DE (10 2021 102 743.8) 2021-02-05

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **TARGETED PROTEIN DEGRADATION SYSTEM AND USE THEREOF**
[54] **SYSTEME DE DEGRADATION DE PROTEINE CIBLEE ET SON UTILISATION**
[72] LIU, LINGFENG, CN
[72] ZHONG, WENTING, CN
[72] LIU, LILING, CN
[71] ST PHI THERAPEUTICS CO., LTD., CN
[85] 2023-08-01
[86] 2022-02-01 (PCT/CN2022/075302)
[87] (WO2022/161502)
[30] US (17/164,834) 2021-02-01
[30] US (63/150,577) 2021-02-17
[30] CN (202110877843.X) 2021-07-30

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/194 (2017.01)**
[25] EN
[54] **PRODUCT IMAGE CLASSIFICATION**
[54] **CLASSIFICATION D'IMAGE DE PRODUIT**
[72] AFSHAR, ESTELLE, US
[72] XU, TIANLONG, US
[72] YU, LE, US
[72] WANG, YUANBO, US
[72] WHITE, JAMES MORGAN, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2023-08-01
[86] 2022-02-04 (PCT/US2022/015173)
[87] (WO2022/170011)
[30] US (63/146,339) 2021-02-05
[30] US (17/591,861) 2022-02-03

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[13] A1
[51] **Int.Cl. C12M 3/00 (2006.01)**
[25] EN
[54] **SYSTEM OF THAWING BIOLOGICAL MATERIALS AND METHOD THEREOF**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE DECONGELATION POUR BIOMATERIAU**
[72] CHAN, HO NAM, CN
[72] LEE, TAK SUM, CN
[71] SHEN ZHEN BIOROCKS BIOTECHNOLOGY COMPANY LIMITED, CN
[85] 2023-08-01
[86] 2022-01-17 (PCT/CN2022/072245)
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[30] CN (202110136270.5) 2021-02-01

[21] **3,207,210**
[13] A1
[51] **Int.Cl. C07H 19/213 (2006.01) A61K 47/68 (2017.01) C07D 487/04 (2006.01) C07H 5/02 (2006.01) C07H 13/08 (2006.01) C07H 19/067 (2006.01) C07H 19/073 (2006.01) C07H 19/167 (2006.01) C07H 19/207 (2006.01) C07H 19/23 (2006.01) C07H 21/02 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **NOVEL METHOD FOR PRODUCING ANTIBODY-IMMUNOSTIMULATOR CONJUGATE**
[54] **NOUVEAU PROCEDE DE PRODUCTION D'UN CONJUGUE ANTICORPS-IMMUNOSTIMULATEUR**
[72] OGURA, TOMOKAZU, JP
[72] NAKAYA, TAKESHI, JP
[72] INOUE, HIDEKAZU, JP
[72] ABE, NARUMI, JP
[72] ABE, YUZO, JP
[72] NAKAMURA, TATSUYA, JP
[72] YAMAMOTO, YUKO, JP
[72] SAKANISHI, KOHEI, JP
[72] SAKAMOTO, TATSUHIRO, JP
[72] NAKANE, SATOSHI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2023-08-01
[86] 2022-01-31 (PCT/JP2022/003512)
[87] (WO2022/163846)
[30] JP (2021-014624) 2021-02-01
[30] JP (2021-066316) 2021-04-09

[21] **3,207,211**
[13] A1
[25] EN
[54] **METHOD FOR TREATING SEED PRODUCTION PLANTS WITH SUPPLEMENTAL FAR-RED LIGHT**
[54] **PROCEDE DE TRAITEMENT DE PLANTES DE PRODUCTION DE GRAINES AVEC UNE LUMIERE DANS LE ROUGE LOINTAIN SUPPLEMENTAIRE**
[72] MILLENAAR, FRANK, NL
[71] NUNHEMS BV, NL
[85] 2023-08-01
[86] 2022-01-25 (PCT/EP2022/051615)
[87] (WO2022/167268)
[30] EP (21154676.7) 2021-02-02

[21] **3,207,212**
[13] A1
[51] **Int.Cl. F16K 31/50 (2006.01)**
[25] EN
[54] **VACUUM VALVE FOR A VACUUM CONVEYING SYSTEM**
[54] **SOUPAPE A VIDE POUR SYSTEME DE TRANSPORT SOUS VIDE**
[72] FREHNER, HANSPETER, CH
[72] EHRNE, FLORIAN, CH
[72] NETZER, MARTIN, AT
[71] VAT HOLDING AG, CH
[85] 2023-08-01
[86] 2022-02-16 (PCT/EP2022/053819)
[87] (WO2022/175327)
[30] CH (00162/21) 2021-02-19

[21] **3,207,213**
[13] A1
[51] **Int.Cl. B62D 65/10 (2006.01) B62M 7/02 (2006.01) B62M 9/06 (2006.01) B62M 9/08 (2006.01) F02B 75/16 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] BOUCHARD, SACHA, CA
[72] TOUPIN, PASCAL, CA
[72] FILION, SIMON, CA
[72] BRETON, REMI, CA
[72] SCHULER, MARC, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2023-08-01
[86] 2022-02-04 (PCT/IB2022/051001)
[87] (WO2022/168001)
[30] US (63/146,206) 2021-02-05

[21] **3,207,214**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **HYDROXYHETEROCYCLOALKANE-CARBAMOYL DERIVATIVES**
[54] **DERIVES D'HYDROXYHETEROCYCLOALCANE-CARBAMOYLE**
[72] BOLLI, MARTIN, CH
[72] GATFIELD, JOHN, CH
[72] GRISOSTOMI, CORINNA, CH
[72] REMEN, LUBOS, CH
[72] SAGER, CHRISTOPH, CH
[72] ZUMBRUNN, CORNELIA, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2023-08-01
[86] 2022-02-08 (PCT/EP2022/052948)
[87] (WO2022/171594)
[30] EP (PCT/EP2021/053084) 2021-02-09

[21] **3,207,215**
[13] A1
[25] EN
[54] **GLASS COMPOSITION FOR FUEL CELL STACK SEALING**
[54] **COMPOSITION DE VERRE POUR ETANCHEITE D'EMPILEMENTS DE PILES A COMBUSTIBLE**
[72] AMARASINGHE, SUDATH DHARMA KUMARA, AU
[72] RODRIGO, PULAHINGE DON DAYANANDA, AU
[72] NAVAK, BABAK, AU
[71] SOLIDPOWER (AUSTRALIA) PTY LTD, AU
[85] 2023-08-01
[86] 2022-02-04 (PCT/AU2022/050058)
[87] (WO2022/165554)
[30] AU (2021900273) 2021-02-05
[30] AU (2021218224) 2021-08-20

[21] **3,207,217**
[13] A1
[51] **Int.Cl. A61B 3/06 (2006.01)**
[25] EN
[54] **LOW LUMINANCE MOBILITY TEST**
[54] **TEST DE MOBILITE A FAIBLE LUMINANCE**
[72] KAMMER, REBECCA, US
[72] WANG, STEVEN, US
[72] CALABRESE, AURELIE, FR
[72] NGUYEN, LISA, US
[72] TSANG, TERRY, US
[72] BITTNER, AVA K., US
[71] JCYTE, INC., US
[85] 2023-08-01
[86] 2022-02-01 (PCT/US2022/014704)
[87] (WO2022/169748)
[30] US (63/145,228) 2021-02-03

[21] **3,207,218**
[13] A1
[25] EN
[54] **QUANTUM KEY DISTRIBUTION SYSTEMS AND ASSOCIATED METHODS**
[54] **SYSTEMES DE DISTRIBUTION DE CLES QUANTIQUES ET PROCEDES ASSOCIES**
[72] LE PERA, ALESSANDRO, FR
[72] FINOCCHIARO, DANIELE VITO, FR
[72] DIRKS, BOB PETRUS FRANCISCUS, NL
[72] FERRARIO, IVAN, NL
[71] EUTELSAT S A, FR
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPULIJK ONDERZOEK (TNO), NL
[85] 2023-08-01
[86] 2022-02-03 (PCT/EP2022/052600)
[87] (WO2022/167534)
[30] EP (21305157.6) 2021-02-05

[21] **3,207,219**
[13] A1
[25] EN
[54] **A WEARABLE LUMBO-PELVIC ACTIVE BALANCING DEVICE AND METHODS OF USE**
[54] **DISPOSITIF D'EQUILIBRAGE ACTIF LOMBO-PELVIEN PORTABLE ET PROCEDES D'UTILISATION**
[72] EYAL, AMI, IL
[71] SYMETRIFY LTD., IL
[85] 2023-08-01
[86] 2022-02-15 (PCT/IL2022/050175)
[87] (WO2022/175940)
[30] IL (280928) 2021-02-16

[21] **3,207,220**
[13] A1
[25] EN
[54] **CONSTRAINED OPTIMIZATION AND POST-PROCESSING HEURISTICS FOR OPTIMAL PRODUCTION SCHEDULING FOR PROCESS MANUFACTURING**
[54] **OPTIMISATION CONTRAINTE ET HEURISTIQUE POST-TRAITEMENT POUR UNE PROGRAMMATION DE PRODUCTION OPTIMALE POUR LA FABRICATION DE PROCESSUS**
[72] BROWN, CHRISTIAN S., US
[72] PAKAZAD, SINA K., US
[72] ZHANG, ZHAOXI, US
[72] HOLTAN, TIMOTHY P., US
[71] C3.AI, INC., US
[85] 2023-08-01
[86] 2022-02-04 (PCT/US2022/015354)
[87] (WO2022/170123)
[30] US (63/145,949) 2021-02-04

[21] **3,207,222**
[13] A1
[25] EN
[54] **RISK-AWARE AND STRATEGY-ADAPTIVE CONSUMPTION PLANNING FOR PROCESS AND MANUFACTURING PLANTS**
[54] **PLANIFICATION DE LA CONSOMMATION SENSIBLE AUX RISQUES ET S'ADAPTANT A LA STRATEGIE POUR USINES DE TRAITEMENT ET DE FABRICATION**
[72] ZHANG, ZHAOXI, US
[72] PAKAZAD, SINA K., US
[72] BROWN, CHRISTIAN S., US
[72] HOLTAN, TIMOTHY P., US
[71] C3.AI, INC., US
[85] 2023-08-01
[86] 2022-02-04 (PCT/US2022/015358)
[87] (WO2022/170127)
[30] US (63/145,937) 2021-02-04

[21] **3,207,223**
[13] A1
[51] **Int.Cl. G06F 30/00 (2020.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A KNITTED FABRIC REPRODUCING AN ADVERSARIAL IMAGE**
[54] **PROCEDE DE FABRICATION D'UN TISSU TRICOTE REPRODUISANT UNE IMAGE CONTRADICTOIRE**
[72] CONTI, GIOVANNI MARIA, IT
[72] DIDERO, RACHELE, IT
[71] POLITECNICO DI MILANO, IT
[85] 2023-08-01
[86] 2022-02-07 (PCT/IB2022/051036)
[87] (WO2022/168014)
[30] IT (102021000002729) 2021-02-08

[21] **3,207,224**
[13] A1
[25] EN
[54] **ARTIFICIAL EXPRESSION CONSTRUCTS FOR MODULATING GENE EXPRESSION IN GABAERGIC NEURONS AND ASTROCYTES**
[54] **CONSTRUCTIONS D'EXPRESSION ARTIFICIELLES POUR MODULER L'EXPRESSION GENIQUE DANS DES NEURONES GABAERGIQUES ET DES ASTROCYTES**
[72] GORE, BRYAN, US
[72] LEIN, EDWARD SEBASTIAN, US
[72] LEVI, BOAZ P., US
[72] MACHEN, DEJA, US
[72] MARTINEZ, REFUGIO, US
[72] MICH, JOHN K., US
[72] TING, JONATHAN, US
[71] ALLEN INSTITUTE, US
[85] 2023-08-01
[86] 2022-02-02 (PCT/US2022/014956)
[87] (WO2022/169884)
[30] US (63/144,743) 2021-02-02

[21] **3,207,225**
[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAINTAINING A TIME MEASUREMENT ON AN ELECTRONIC DEVICE**
[54] **PROCEDES ET SYSTEMES POUR MAINTENIR UNE MESURE DE TEMPS SUR UN DISPOSITIF ELECTRONIQUE**
[72] WILLIAMS, JENNIFER TOPMILLER, US
[71] LEXMARK INTERNATIONAL, INC, US
[85] 2023-08-01
[86] 2022-04-23 (PCT/US2022/026077)
[87] (WO2023/063999)
[30] US (63/256,618) 2021-10-17
[30] US (17/727,743) 2022-04-23

[21] **3,207,229**
[13] A1
[51] **Int.Cl. A61B 5/282 (2021.01) A61N 1/04 (2006.01) A61N 1/365 (2006.01) A61N 1/39 (2006.01)**
[25] EN
[54] **AUTOMATED EXTERNAL DEFIBRILLATORS WITH MULTIPLE, MULTIFUNCTIONAL ELECTRODE PAIRS**
[54] **DEFIBRILLATEURS EXTERNES AUTOMATISES AVEC DES PAIRES D'ELECTRODES MULTIPLES ET MULTIFONCTIONNELLES**
[72] TEBER, EROL, AU
[72] CASEY, DONOVAN, AU
[71] CELLAED LIFE SAVER PTY LTD, AU
[85] 2023-08-01
[86] 2022-02-01 (PCT/IB2022/050836)
[87] (WO2022/167919)
[30] AU (2021900233) 2021-02-03

[21] **3,207,230**
[13] A1
[51] **Int.Cl. H01C 1/08 (2006.01)**
[25] EN
[54] **ALTERNATOR MODULATION FOR CONTROL OF EXHAUST HEATING ELEMENT**
[54] **MODULATION D'ALTERNATEUR POUR LA COMMANDE D'UN ELEMENT DE CHAUFFAGE D'ECHAPPEMENT**
[72] SWART, CHARLES WAYNE REINHARFT, US
[71] PACCAR INC, US
[85] 2023-08-01
[86] 2022-02-01 (PCT/US2022/014760)
[87] (WO2022/165428)
[30] US (63/144,368) 2021-02-01

[21] **3,207,231**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2023.01)**
[25] EN
[54] **CLUSTERING ITEMS OFFERED BY AN ONLINE CONCIERGE SYSTEM TO CREATE AND TO RECOMMEND COLLECTIONS OF ITEMS TO USERS**
[54] **REGROUPEMENT D'ARTICLES PROPOSES PAR UN SYSTEME DE CONCIERGERIE EN LIGNE POUR CREER ET RECOMMANDER DES COLLECTIONS D'ARTICLES A DES UTILISATEURS**
[72] RAO KARIKURVE, SHARATH, US
[72] SINGH, ANGADH, US
[71] MAPLEBEAR INC. (DBA INSTACART), US
[85] 2023-08-01
[86] 2022-04-18 (PCT/US2022/025187)
[87] (WO2022/221757)
[30] US (17/232,621) 2021-04-16

[21] **3,207,238**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF ATOPIC DERMATITIS EMPLOYING ANTI-IL-13R.ALPHA.1 ANTIBODY ORBINDING FRAGMENT THEREOF IN AN ALLERGIC POPULATION**
[54] **TRAITEMENT DE LA DERMATITE ATOPIQUE A L'AIDE D'UN ANTICORPS ANTI-IL-13R.ALPHA.1 OU D'UN FRAGMENT DE LIAISON ASSOCIE CHEZ UNE POPULATION ALLERGIQUE**
[72] VEVERKA, KAREN A., SG
[72] WARD, ALISON, SG
[71] ASLAN PHARMACEUTICALS PTE LTD, SG
[85] 2023-08-02
[86] 2022-03-01 (PCT/SG2022/050103)
[87] (WO2022/186773)
[30] SG (10202102087T) 2021-03-01
[30] SG (10202110690S) 2021-09-27

[21] **3,207,240**
[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C10G 45/64 (2006.01)**
[25] EN
[54] **RENEWABLE ARCTIC DIESEL PRODUCTION**
[54] **PRODUCTION DE DIESEL ARCTIQUE RENOUVELABLE**
[72] CADY, SAMUEL J., US
[72] XU, XIAOCHUN, US
[72] LUO, SHIFANG, US
[72] RING, MICHAEL H., US
[72] GATT, JOSEPH E., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-08-02
[86] 2021-02-09 (PCT/US2021/017283)
[87] (WO2022/173422)

[21] **3,207,243**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF ATOPIC DERMATITIS EMPLOYING ANTI-IL-13R?1 ANTIBODY OR BINDING FRAGMENT THEREOF**
[54] **TRAITEMENT DE LA DERMATITE ATOPIQUE A L'AIDE D'UN ANTICORPS ANTI-IL-13R?1 OU D'UN FRAGMENT DE LIAISON ASSOCIE**
[72] VEVERKA, KAREN A., SG
[72] WARD, ALISON, SG
[71] ASLAN PHARMACEUTICALS PTE LTD, SG
[85] 2023-08-02
[86] 2022-03-01 (PCT/SG2022/050102)
[87] (WO2022/186772)
[30] SG (10202102086S) 2021-03-01
[30] SG (10202110688T) 2021-09-27

[21] **3,207,246**
[13] A1
[51] **Int.Cl. B29C 48/92 (2019.01) B29C 64/106 (2017.01) B29C 64/182 (2017.01) B29C 64/209 (2017.01) B29C 48/02 (2019.01) B29C 48/255 (2019.01)**
[25] EN
[54] **INTEGRATED ADDITIVE MANUFACTURING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE FABRICATION ADDITIVE INTEGREE**
[72] ANWAR, ALI AHMED, GB
[72] HALBERT, GAVIN WILLIAM, GB
[72] ROBERTSON, JOHN, GB
[71] UNIVERSITY OF STRATHCLYDE, GB
[85] 2023-08-02
[86] 2022-02-03 (PCT/GB2022/050281)
[87] (WO2022/167799)
[30] GB (2101534.2) 2021-02-04

[21] **3,207,251**
[13] A1
[51] **Int.Cl. G06T 7/50 (2017.01)**
[25] EN
[54] **STOMA AND PERISTOMAL IMAGING AND QUANTIFICATION OF SIZE, SHAPE, AND COLOR**
[54] **IMAGERIE STOMALE ET PERISTOMALE ET QUANTIFICATION DE LA TAILLE, DE LA FORME ET DE LA COULEUR**
[72] EVERTS, JOSHUA, US
[72] KRISHNAN, ARVIND, US
[72] ROSE, ASH, US
[72] DEFANTE, ADRIAN P., US
[72] JANIS, ABRAM D., US
[71] HOLLISTER INCORPORATED, US
[85] 2023-08-02
[86] 2022-03-04 (PCT/US2022/018907)
[87] (WO2022/187621)
[30] US (63/157,290) 2021-03-05

[21] **3,207,255**
[13] A1
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 47/64 (2017.01) A61K 38/48 (2006.01) A61K 47/26 (2006.01) A61K 47/40 (2006.01) A61K 47/42 (2017.01)**
[25] EN
[54] **BOTULINUM TOXIN FREEZE-DRIED FORMULATION DOSAGE FORM STORABLE FOR LONG TIME**
[54] **COMPOSITION DE FORME POSOLOGIQUE LYOPHILISEE DE TOXINE BOTULIQUE STOCKABLE PENDANT UNE LONGUE DUREE**
[72] SEO, JEONGDEOK, KR
[72] KIM, HAN-BYUL, KR
[72] KIM, KYOUNG-YUN, KR
[71] DAEWOONG CO., LTD., KR
[85] 2023-08-02
[86] 2022-02-07 (PCT/KR2022/001824)
[87] (WO2022/169323)
[30] KR (10-2021-0017390) 2021-02-08

[21] **3,207,258**
[13] A1
[51] **Int.Cl. A61B 5/029 (2006.01)**
[25] EN
[54] **CARDIOVASCULAR MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE CARDIOVASCULAIRE**
[72] BARRETTINO, DIEGO, CH
[72] DEHOLLAIN, CATHERINE, CH
[72] TURE, KERIM, GB
[72] BESIRLI, MUSTAFA, CH
[72] MATTAVELLI, MARCO, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2023-08-02
[86] 2022-02-01 (PCT/EP2022/052253)
[87] (WO2022/167382)
[30] EP (21155337.5) 2021-02-04

[21] **3,207,259**
[13] A1
[25] EN
[54] **ASSAY SAMPLE VOLUME NORMALIZATION**
[54] **NORMALISATION DE VOLUME D'ECHANTILLON DE DOSAGE**
[72] QIN, YIHENG, CA
[72] HARDER, CHRISTOPHER J., CA
[72] LIM, LUCAS, CA
[72] BRODT, MORDECHAI, CA
[71] KENOTA INC., CA
[85] 2023-08-02
[86] 2022-02-18 (PCT/CA2022/050235)
[87] (WO2022/174349)
[30] US (63/151,409) 2021-02-19

[21] **3,207,265**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ANTI-TCR DELTA VARIABLE 1 ANTIBODIES**
[54] **ANTICORPS ANTI-TCR DELTA VARIABLE 1**
[72] TUNA, MIHRIBAN, GB
[72] UDEN, MARK, GB
[72] MOUNT, NATALIE, GB
[72] FREEDMAN, JOSHUA, GB
[72] POLYAKOVA, OXANA, GB
[72] GOOD, ROBERT, GB
[72] BHUMBRA, SHEFALI, GB
[72] MCGINLEY, AOIFE, GB
[72] FOXLER, DAN, GB
[71] GAMMADELTA THERAPEUTICS LTD, GB
[85] 2023-08-02
[86] 2022-02-17 (PCT/EP2022/054004)
[87] (WO2022/175413)
[30] GB (2102224.9) 2021-02-17
[30] GB (2111685.0) 2021-08-14

[21] **3,207,271**
[13] A1
[51] **Int.Cl. A61K 31/166 (2006.01) A61P 35/00 (2006.01) C07C 259/10 (2006.01)**
[25] EN
[54] **DISPERSIBLE FORMULATIONS OF N-((R)-2,3-DIHYDROXYPROPOXY)-3,4-DIFLUORO-2-(2-FLUORO-4-IODO-PHENYLAMINO)-BENZAMIDE AND USES THEREOF**
[54] **FORMULATIONS DISPERSIBLES DE N-((R)-2,3-DIHYDROXYPROPOXY)-3,4-DIFLUORO-2-(2-FLUORO-4-IODO-PHENYLAMINO)-BENZAMIDE ET LEURS UTILISATIONS**
[72] PATTERSON, KRISTIN, US
[72] LIU, JIPING, US
[71] SPRINGWORKS THERAPEUTICS, INC., US
[85] 2023-08-02
[86] 2021-02-17 (PCT/US2021/018373)
[87] (WO2022/177555)

[21] **3,207,272**
[13] A1
[51] **Int.Cl. G06F 30/13 (2020.01) G06F 30/31 (2020.01) G06G 7/68 (2006.01) G09B 25/04 (2006.01)**
[25] EN
[54] **DATA CARRIER, TEST ENVIRONMENT, AND METHOD FOR SIMULATING AN EXPERIENCE OF COMFORT IN A ROOM IN A BUILDING**
[54] **SUPPORT DE DONNEES, ENVIRONNEMENT D?ESSAI ET PROCEDE DE SIMULATION D'UNE EXPERIENCE DE CONFORT DANS UNE PIECE D?UN BATIMENT**
[72] NEVES PIMENTA, DANIEL, DE
[72] DE BOER, JAN, DE
[72] WOSSNER, SIMON, DE
[72] KOUTSOMARKOS, KONSTANTINOS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2023-08-02
[86] 2022-02-03 (PCT/EP2022/052580)
[87] (WO2022/167522)
[30] DE (10 2021 201 127.6) 2021-02-08

[21] **3,207,274**
[13] A1
[51] **Int.Cl. B01D 53/10 (2006.01) C25C 3/22 (2006.01) B01J 20/08 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR DRY SORPTION**
[54] **SYSTEME ET PROCEDE DE SORPTION A SEC**
[72] JOHANSEN, RAYMOND, NO
[72] WEDDE, GEIR, NO
[71] NORWEGIAN EMISSION ABATEMENT TECHNOLOGIES AS, NO
[85] 2023-08-02
[86] 2022-02-09 (PCT/NO2022/050037)
[87] (WO2022/173310)
[30] NO (20210171) 2021-02-10

[21] **3,207,275**
[13] A1
[51] **Int.Cl. B26D 7/22 (2006.01) B26D 3/28 (2006.01)**
[25] EN
[54] **IMPELLERS FOR CUTTING MACHINES AND CUTTING MACHINES EQUIPPED THEREWITH**
[54] **TURBINES POUR MACHINES DE COUPE, ET MACHINES DE COUPE EQUIPEES DE CELLES-CI**
[72] GEREG, DUSTIN J., US
[71] URSCHEL LABORATORIES, INC., US
[85] 2023-08-02
[86] 2022-02-11 (PCT/US2022/016058)
[87] (WO2022/174007)
[30] US (63/148,698) 2021-02-12
[30] US (17/668,550) 2022-02-10

[21] **3,207,277**
[13] A1
[25] FR
[54] **IMMUNOLOGICAL TEST FOR THE DETECTION OF VIRAL INFECTIONS**
[54] **TEST IMMUNOLOGIQUE POUR DETECTION D'INFECTIONS VIRALES**
[72] BEGAUD, EVELYNE, FR
[72] GERMANI, YVES, FR
[72] POZZETTO, BRUNO, FR
[72] BOURLET, THOMAS, FR
[72] HADDAR, CYRILLE HEDI, FR
[72] PILLET, SYLVIE, FR
[72] MOUNIER, SANDRA, FR
[71] UNIVERSITE JEAN MONNET SAINT ETIENNE, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE SAINT ETIENNE, FR
[71] BIOSPEEDIA, FR
[85] 2023-08-02
[86] 2022-02-11 (PCT/FR2022/050254)
[87] (WO2022/171967)
[30] FR (FR2101445) 2021-02-15

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[13] A1
[51] **Int.Cl. C09K 5/06 (2006.01)**
[25] EN
[54] **SUB-ZERO PHASE CHANGE MATERIALS WITH MULTIPLE CRYSTALLISATION EVENTS**
[54] **MATERIAUX A CHANGEMENT DE PHASE A BASSE TEMPERATURE, COMPORTANT PLUSIEURS EVENEMENTS DE CRISTALLISATION**
[72] ODLING, GYLEN, GB
[72] FISHER, KATE, GB
[72] OLIVER, DAVID, GB
[72] BISSELL, ANDREW, GB
[71] SUNAMP LIMITED, GB
[85] 2023-08-02
[86] 2022-03-02 (PCT/GB2022/050541)
[87] (WO2022/185046)
[30] GB (2102248.8) 2021-03-02
[30] GB (2111449.1) 2021-08-09

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[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/44 (2017.01)**
[25] EN
[54] **ABIRATERONE PRODRUGS**
[54] **PROMEDICAMENTS D'ABIRATERONE**
[72] SHARP, MATTHEW J., US
[72] MOORE, WILLIAM R., US
[71] PROPELLA THERAPEUTICS, INC., US
[85] 2023-08-02
[86] 2022-02-14 (PCT/US2022/016278)
[87] (WO2022/174134)
[30] US (63/149,550) 2021-02-15

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[13] A1
[25] EN
[54] **METHOD OF PROVIDING BROAD-SPECTRUM RESISTANCE TO PLANTS, AND PLANTS THUS OBTAINED**
[54] **PROCEDE POUR CONFERER UNE RESISTANCE A LARGE SPECTRE A DES PLANTES, ET PLANTES AINSI OBTENUES**
[72] RESJO, SVANTE, SE
[72] ANDREASSON, ERIK, SE
[72] VETUKURI, RAMESH, SE
[72] LENMAN, MARIT, SE
[72] ZAHID, MUHAMMAD AWAIS, SE
[72] PHUONG KIEU, NAM, SE
[72] KONAKALLA, NAGA CHARAN, SE
[71] ANDREASSON, ERIK, SE
[71] LENMAN, MARIT, SE
[71] ZAHID, MUHAMMAD AWAIS, SE
[71] PHUONG KIEU, NAM, SE
[71] KONAKALLA, NAGA CHARAN, SE
[85] 2023-08-02
[86] 2021-12-30 (PCT/SE2021/051320)
[87] (WO2022/177484)
[30] SE (2150182-0) 2021-02-19

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[13] A1
[51] **Int.Cl. C08L 29/02 (2006.01) A61K 35/12 (2015.01) A61K 35/28 (2015.01) A61K 35/39 (2015.01) A61P 3/10 (2006.01)**
[25] EN
[54] **CELL CLUSTERS COMPRISING STEM AND ISLET CELLS, METHODS OF MAKING, AND TREATMENT OF DIABETES MELLITUS THEREWITH**
[54] **AGREGATS DE CELLULES COMPRENANT DES CELLULES SOUCHES ET DES ILOTS DE LANGERHANS, PROCEDES DE PREPARATION, ET TRAITEMENT DU DIABETE SUCRE AVEC CEUX-CI**
[72] WESTENFELDER, CHRISTOF, US
[72] GOOCH, ANNA MADDOCK, US
[71] SYMBIOCELLTECH, LLC, US
[85] 2023-08-02
[86] 2022-02-03 (PCT/US2022/015066)
[87] (WO2022/169943)
[30] US (63/145,380) 2021-02-03

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[13] A1
[25] EN
[54] **ATTENUATED AFRICAN SWINE FEVER VIRUS AND ITS USE AS A VACCINE**
[54] **VIRUS DE LA PESTE PORCINE AFRICAINE ATTENUE ET SON UTILISATION EN TANT QUE VACCIN**
[72] BLOT LE POTIER, MARIE-FREDERIQUE, FR
[72] BOURRY, OLIVIER, FR
[72] HUTET, EVELYNE, FR
[72] LE DIMNA, MIREILLE, FR
[72] CHASTAGNER, AMELIE, FR
[72] PABOEUF, FREDERIC, FR
[72] BLANCHARD, YANNICK, FR
[72] LUCAS, PIERRICK, FR
[71] AGENCE NATIONALE DE SECURITE SANITAIRE DE L'ALIMENTATION DE L'ENVIRON..., FR
[85] 2023-08-02
[86] 2022-01-31 (PCT/EP2022/052183)
[87] (WO2022/167360)
[30] EP (21305138.6) 2021-02-02

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[13] A1
[51] **Int.Cl. A61K 31/025 (2006.01) C12Q 1/6886 (2018.01) A61K 31/4035 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **EP300 DEGRADER AND USES THEREOF IN NEUROBLASTOMA**
[54] **AGENT DE DEGRADATION DE L'EP300 ET UTILISATIONS ASSOCIEES DANS UN NEUROBLASTOME**
[72] QI, JUN, US
[72] DURBIN, ADAM D., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2023-08-02
[86] 2022-03-08 (PCT/US2022/019309)
[87] (WO2022/192232)
[30] US (63/158,620) 2021-03-09

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[13] A1
[51] **Int.Cl. B04B 1/14 (2006.01) B04B 1/08 (2006.01) B04B 7/08 (2006.01)**
[25] EN
[54] **A CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE**
[72] HILDING, KLAS, SE
[72] DEURELL, TOMAS, SE
[71] ALFA-LAVAL CORPORATE AB, SE
[85] 2023-08-02
[86] 2022-02-02 (PCT/EP2022/052442)
[87] (WO2022/175086)
[30] EP (21157557.6) 2021-02-17

[21] **3,207,295**
[13] A1
[25] EN
[54] **FORMULATION COMPRISING CHLORITE AND PERCARBONATE SALTS**
[54] **FORMULATION COMPRENANT DES SELS DE CHLORITE ET DE PERCARBONATE**
[72] RYAN, AUTUMN, US
[72] MUNIE, LAWRENCE, US
[71] ASEPTIC HEALTH, LLC, US
[85] 2023-08-02
[86] 2022-02-02 (PCT/US2022/014986)
[87] (WO2022/169904)
[30] US (63/144,540) 2021-02-02
[30] US (63/285,736) 2021-12-03

[21] **3,207,301**
[13] A1
[51] **Int.Cl. A01K 69/08 (2006.01)**
[25] EN
[54] **MAGNETIC RELEASE MECHANISM**
[54] **MECANISME A LIBERATION MAGNETIQUE**
[72] BEZANSON, ANDRE, CA
[72] DEMERS, GUILLAUME, CA
[71] ASHORED INC., CA
[85] 2023-08-02
[86] 2022-02-03 (PCT/CA2022/050156)
[87] (WO2022/165596)
[30] US (63/145,249) 2021-02-03

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[13] A1
[51] **Int.Cl. A42B 3/22 (2006.01)**
[25] EN
[54] **HELMET MOUNTED VISOR ASSEMBLY**
[54] **ENSEMBLE VISIERE MONTE SUR UN CASQUE**
[72] NOORDZIJ, DUCO, US
[71] GENTEX CORPORATION, US
[85] 2023-08-02
[86] 2022-02-18 (PCT/US2022/016923)
[87] (WO2022/178213)
[30] US (63/152,039) 2021-02-22

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[13] A1
[51] **Int.Cl. C08G 18/18 (2006.01) C08G 18/20 (2006.01) C08G 18/32 (2006.01) C08G 18/48 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **TWO-COMPONENT SYSTEM FOR PREPARING DEODORANT POLYURETHANE FOAMS**
[54] **SYSTEME A DEUX COMPOSANTS POUR LA PREPARATION DE MOUSSES DE POLYURETHANE DEODORANTES**
[72] PAN, DONG DONG, CN
[72] LIU, YINGHAO, CN
[72] QIU, HUI, CN
[72] LIU, LU, CN
[72] CHEN, ZHEN JIA, CN
[71] BASF SE, DE
[85] 2023-08-02
[86] 2022-01-17 (PCT/EP2022/050906)
[87] (WO2022/167208)
[30] CN (PCT/CN2021/075054) 2021-02-03

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[13] A1
[51] **Int.Cl. H05H 1/34 (2006.01)**
[25] EN
[54] **CONSUMABLES FOR PLASMA ARC TORCHES**
[54] **PRODUITS CONSOMMABLES POUR TORCHES A PLASMA A ARC**
[72] NADLER, MICHAEL, US
[72] DOUGHERTY, MAXIMILIAN, US
[72] HORNER-RICHARDSON, KEVIN, US
[72] MAYNARD, AUSTON, US
[72] RAYMOND, ANDREW J., US
[71] THE ESAB GROUP INC., US
[85] 2023-08-02
[86] 2022-02-01 (PCT/US2022/014688)
[87] (WO2022/169740)
[30] US (17/167,338) 2021-02-04

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[13] A1
[51] **Int.Cl. B32B 29/06 (2006.01)**
[25] EN
[54] **PANEL AND METHOD FOR PRODUCING PANELS**
[54] **PANNEAU ET PROCEDE DE FABRICATION DE PANNEAUX**
[72] CLEMENT, BENJAMIN, BE
[72] LEDEGEN, SAM, BE
[72] DERUYTER, THOMAS, BE
[72] DE LANGE, LEEN, BE
[71] FLOORING INDUSTRES LIMITED, SARL, LU
[85] 2023-08-02
[86] 2022-03-03 (PCT/IB2022/051876)
[87] (WO2022/200882)
[30] BE (2021/5221) 2021-03-24

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[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR SEPARATION OF A SUBSTANCE FROM WATER**
[54] **PROCEDE ET APPAREIL POUR SEPARER UNE SUBSTANCE DE L'EAU**
[72] BURNS, DAVID, AU
[71] OPEC REMEDIATION TECHNOLOGIES PTY LTD, AU
[85] 2023-08-02
[86] 2022-02-02 (PCT/IB2022/050930)
[87] (WO2022/167958)
[30] AU (2021900217) 2021-02-02

[21] **3,207,313**
[13] A1
[25] EN
[54] **GREYWATER TREATMENT SYSTEMS**
[54] **SYSTEMES DE TRAITEMENT D'EAUX GRISES**
[72] RUNTE, CAMERON STUART, CA
[72] SHANNON, MICHAEL EDWARD, CA
[72] MYPATI, SREEMANNARAYANA, CA
[72] ZHOU, YANG, CA
[72] OSAZUWA, OSAYUKI, CA
[72] GHOSH RAY, SREEMOYEE, CA
[71] GRAFOID INC., CA
[85] 2023-08-02
[86] 2022-02-02 (PCT/CA2022/050152)
[87] (WO2022/165594)
[30] US (63/144,733) 2021-02-02

[21] **3,207,317**
[13] A1
[25] EN
[54] **PNEUMATIC NAILING GUN WITH ADJUSTABLE NAILING FORCE**
[54] **CLOUEUSE PNEUMATIQUE A FORCE DE FRAPPE REGLABLE**
[72] ZHANG, HUADING, CN
[71] ZHANG, HUADING, CN
[85] 2023-08-02
[86] 2022-01-17 (PCT/CN2022/072211)
[87] (WO2022/166564)
[30] CN (202110143489.8) 2021-02-02
[30] CN (202122238613.7) 2021-09-15

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[13] A1
[51] **Int.Cl. B61J 3/12 (2006.01)**
[25] FR
[54] **DEVICE FOR MOVING A LOAD ROLLING ON RAILS**
[54] **DISPOSITIF DE DEPLACEMENT D'UNE CHARGE ROULANT SUR DES RAILS**
[72] PETIT, FABRICE, FR
[72] DETOURBET, ANTOINE, FR
[71] GILLET GROUP, FR
[85] 2023-08-02
[86] 2022-02-10 (PCT/EP2022/053281)
[87] (WO2022/171754)
[30] FR (FR2101370) 2021-02-12

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[13] A1
[51] **Int.Cl. F04B 13/02 (2006.01) A47K 5/12 (2006.01) F04B 23/02 (2006.01) F04B 43/04 (2006.01) F04B 45/04 (2006.01) F04B 45/047 (2006.01)**
[25] EN
[54] **SEQUENTIALLY ACTIVATED MULTI-DIAPHRAGM FOAM PUMPS, REFILL UNITS AND DISPENSER SYSTEMS HAVING A NON-UNIFORM WOBBLE PLATE**
[54] **POMPES A MOUSSE A MEMBRANES MULTIPLES ACTIVEES SEQUENTIELLEMENT, UNITES DE RECHARGE ET SYSTEMES DE DISTRIBUTION AYANT UNE PLAQUE OSCILLANTE NON UNIFORME**
[72] LOUIS, JEFFREY S., US
[71] GOJO INDUSTRIES, INC., US
[85] 2023-08-02
[86] 2022-01-31 (PCT/US2022/014474)
[87] (WO2022/169697)
[30] US (63/145,025) 2021-02-03

[21] **3,207,327**
[13] A1
[51] **Int.Cl. F24T 10/10 (2018.01) F24T 10/40 (2018.01) C25B 1/04 (2021.01)**
[25] EN
[54] **A GEOTHERMAL HYDROGEN PRODUCTION SYSTEM**
[54] **SYSTEME DE PRODUCTION D'HYDROGENE GEOTHERMIQUE**
[72] STRANGE, WARREN ROSS, AU
[71] GOOD WATER ENERGY LTD, AU
[85] 2023-08-02
[86] 2022-02-09 (PCT/AU2022/050082)
[87] (WO2022/170390)
[30] AU (2021100825) 2021-02-10
[30] AU (2021100827) 2021-02-10
[30] AU (2021900321) 2021-02-10
[30] AU (2021900322) 2021-02-10
[30] AU (2021103623) 2021-06-25
[30] AU (2021901941) 2021-06-25
[30] AU (2021903799) 2021-11-25

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[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/22 (2006.01) A61K 31/4525 (2006.01) A61K 31/593 (2006.01) A61K 31/7048 (2006.01) A61K 45/06 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **SUPPLEMENT FOR ARTHRITIS AND PSORIASIS**
[54] **COMPLEMENT CONTRE L'ARTHRITE ET LE PSORIASIS**
[72] HENRIKSEN, LONE, DK
[72] DAUER, ROSEMARIE, DE
[72] DUGUINE, MARIA AGUSTINA, AR
[71] CS MEDICA A/S, DK
[85] 2023-08-02
[86] 2022-02-07 (PCT/EP2022/052873)
[87] (WO2022/167652)
[30] DK (PA 2021 70056) 2021-02-05

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 3/03 (2021.01) C25B 3/07 (2021.01) C25B 3/26 (2021.01) C25B 9/13 (2021.01) C25B 9/19 (2021.01) C25B 9/67 (2021.01) C25B 15/021 (2021.01) C12P 5/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE SYSTEM**
[54] **SYSTEME D'ECHANGE DE CHALEUR**
[72] PATEL, NITANT, DE
[72] LEWANDOWSKI, BIRGIT, DE
[72] PINDER, ZACHARY, DE
[72] HAFENBRADL, DORIS, DE
[72] RODRIGO, JOSE, DE
[71] ELECTROCHAEA GMBH, DE
[85] 2023-08-02
[86] 2022-02-15 (PCT/EP2022/053641)
[87] (WO2022/179885)
[30] DE (20 2021 100 957.8) 2021-02-25
[30] DE (10 2021 112 844.7) 2021-05-18

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[13] A1
[51] **Int.Cl. H04W 52/14 (2009.01)**
[25] EN
[54] **POWER CONTROL ENHANCEMENT OF PUSCH TRANSMISSION WITH REPETITION**
[54] **AMELIORATION DE LA COMMANDE DE PUISSANCE D'UNE TRANSMISSION PUSCH AVEC REPETITION**
[72] LING, WEI, CN
[72] ZHU, CHENXI, US
[72] LIU, BINGCHAO, CN
[72] ZHANG, YI, CN
[72] XIAO, LINGLING, CN
[71] LENOVO (BEIJING) LIMITED, CN
[85] 2023-08-02
[86] 2021-04-01 (PCT/CN2021/084800)
[87] (WO2022/205258)

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[13] A1
[51] **Int.Cl. B26D 1/157 (2006.01) B26D 1/16 (2006.01) B26D 1/18 (2006.01) B26D 7/20 (2006.01)**
[25] EN
[54] **APPLICATOR UNIT, TIRE BUILDING DEVICE AND METHOD FOR APPLYING A STRIP TO A DRUM**
[54] **UNITE D'APPLICATEUR, DISPOSITIF DE CONFECTION DE PNEUMATIQUES ET PROCEDE D'APPLICATION D'UNE BANDE SUR UN TAMBOUR**
[72] VAN LAAR, GERARDUS JOHANNES CATHARINA, NL
[71] VMI HOLLAND B.V., NL
[85] 2023-08-02
[86] 2022-02-03 (PCT/NL2022/050051)
[87] (WO2022/177421)
[30] NL (2027569) 2021-02-16

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/46 (2020.01) A24F 40/48 (2020.01) A61M 11/04 (2006.01)**
[25] EN
[54] **AN AEROSOL-GENERATING DEVICE COMPRISING A FILTER**
[54] **DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UN FILTRE**
[72] WRIGHT, ALEC, GB
[72] ROGAN, ANDREW ROBERT JOHN, GB
[72] ADAIR, KYLE, GB
[72] MONTGOMERY, GORDON, GB
[71] JT INTERNATIONAL S.A., CH
[85] 2023-08-02
[86] 2022-02-02 (PCT/EP2022/052487)
[87] (WO2022/167486)
[30] EP (21155261.7) 2021-02-04

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATMENT OF CONDITIONS AND DISEASES ASSOCIATED WITH POLYCYSTIN EXPRESSION**
[54] **COMPOSITIONS POUR LE TRAITEMENT D'AFFECTIONS ET DE MALADIES ASSOCIEES A L'EXPRESSION DE LA POLYCYSTINE**
[72] AZNAREZ, ISABEL, US
[72] KACH, JACOB ALBERT, US
[71] STOKE THERAPEUTICS, INC., US
[85] 2023-08-02
[86] 2022-02-03 (PCT/US2022/015074)
[87] (WO2022/169947)
[30] US (63/145,288) 2021-02-03

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[13] A1
[51] **Int.Cl. B29D 30/42 (2006.01) B29D 30/48 (2006.01)**
[25] EN
[54] **METHOD AND SPLICER FOR SPLICING A LEADING END AND A TRAILING END OF A TIRE COMPONENT**
[54] **PROCEDE ET DISPOSITIF DE RACCORDEMENT POUR LE RACCORDEMENT D?UNE EXTREMITE AVANT ET D?UNE EXTREMITE ARRIERE D?UNE PIECE DE PNEUMATIQUE**
[72] VAN BEEK, WILLEM MARINUS, NL
[71] VMI HOLLAND B.V., NL
[85] 2023-08-02
[86] 2022-02-16 (PCT/NL2022/050079)
[87] (WO2022/186688)
[30] NL (2027675) 2021-03-01

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[13] A1
[51] **Int.Cl. B65D 71/42 (2006.01)**
[25] EN
[54] **ARTICLE CARRIER AND BLANK THEREFOR**
[54] **SUPPORT D'ARTICLE ET EBAUCHE CORRESPONDANTE**
[72] HAYTER, GREGORY P., US
[72] WALLING, BRADFORD J., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2023-08-02
[86] 2022-02-01 (PCT/US2022/014715)
[87] (WO2022/169752)
[30] US (63/144,750) 2021-02-02

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[13] A1
[51] **Int.Cl. E05D 3/18 (2006.01) E05D 7/085 (2006.01)**
[25] EN
[54] **BOX BODY ASSEMBLY AND REFRIGERATION APPARATUS**
[54] **ENSEMBLE CORPS DE BOITIER ET APPAREIL DE REFRIGERATION**
[72] ZHONG, LEI, CN
[72] ZENG, GUO, CN
[72] LIU, XUEKANG, CN
[72] LI, HAIKE, CN
[71] GUANGDONG MIDEA WHITE HOME APPLIANCE TECHNOLOGY INNOVATION CENTER CO. LTD., CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] HEFEI HUALING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2023-08-02
[86] 2022-01-27 (PCT/CN2022/074402)
[87] (WO2022/170996)
[30] CN (202110179364.0) 2021-02-09
[30] CN (202110437114.2) 2021-04-22
[30] CN (202110438278.7) 2021-04-22
[30] CN (202120844078.7) 2021-04-22
[30] CN (202120844332.3) 2021-04-22
[30] CN (202110438279.1) 2021-04-22
[30] CN (202120844077.2) 2021-04-22
[30] CN (202110437107.2) 2021-04-22
[30] CN (202120844361.X) 2021-04-22

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **MOLECULES FOR USE IN THE TREATMENT AND/OR PREVENTION OF COVID-19**
[54] **MOLECULES DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT ET/OU LA PREVENTION DE LA COVID-19**
[72] MANTOVANI, ALBERTO, IT
[72] GARLANDA, CECILIA, IT
[72] BOTTAZZI, BARBARA, IT
[72] VICENZI, ELISA, IT
[71] HUMANITAS MIRASOLE S.P.A., IT
[71] HUMANITAS UNIVERSITY, IT
[71] OSPEDALE SAN RAFFAELE S.R.L, IT
[85] 2023-08-02
[86] 2022-02-08 (PCT/EP2022/052944)
[87] (WO2022/167675)
[30] IT (102021000002738) 2021-02-08
[30] EP (21214373.9) 2021-12-14

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[13] A1
[51] **Int.Cl. C07K 5/078 (2006.01)**
[25] EN
[54] **RATIONALE, DESIGN, SYNTHESIS AND VALIDATION OF A SMALL MOLECULE ANTICANCER AGENT**
[54] **RATIONALISATION, CONCEPTION, SYNTHESE ET VALIDATION D'UN AGENT ANTICANCEREUX A PETITES MOLECULES**
[72] JAIN, MOHIT, CA
[72] NARENDRAN, ARUMUGAVADIVEL, CA
[71] NARENDRAN, ARUMUGAVADIVEL, CA
[85] 2023-08-02
[86] 2022-02-07 (PCT/CA2022/050170)
[87] (WO2022/165606)
[30] US (63/146,913) 2021-02-08

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[13] A1
[51] **Int.Cl. B61K 9/02 (2006.01)**
[25] EN
[54] **METHOD OF RECONDITIONING A RAILCAR COUPLER**
[54] **PROCEDE DE REMISE EN ETAT D'UN ATTELAGE DE WAGON**
[72] BREST, ROBERT, US
[71] A. STUCKI COMPANY, US
[85] 2023-08-02
[86] 2022-02-09 (PCT/US2022/015744)
[87] (WO2022/173783)
[30] US (63/147,276) 2021-02-09

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[13] A1
[51] **Int.Cl. G21G 1/08 (2006.01) G21K 5/08 (2006.01)**
[25] EN
[54] **IRRADIATION TARGET CONTAINING SUPPORT ROD FOR PRODUCING MO-99 ISOTOPE IN HEAVY WATER REACTOR**
[54] **CIBLE D'IRRADIATION CONTENANT UNE TIGE DE SUPPORT POUR PRODUIRE UN ISOTOPE MO-99 DANS UN REACTEUR A EAU LOURDE**
[72] LU, JUNQIANG, CN
[72] CHEN, FULIANG, CN
[72] HAN, YU, CN
[72] DING, YANG, CN
[72] WEI, XIANGYU, CN
[72] ZHOU, YUNQING, CN
[71] SHANGHAI NUCLEAR ENGINEERING RESEARCH & DESIGN INSTITUTE CO., LTD., CN
[85] 2023-08-02
[86] 2022-04-02 (PCT/CN2022/085095)
[87] (WO2022/167008)
[30] CN (202110142925.X) 2021-02-02

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[51] **Int.Cl. A61K 35/17 (2015.01) A61K 35/768 (2015.01)**
[25] EN
[54] **ADJUVANT THERAPY FOR CANCER**
[54] **TRAITEMENT ADJUVANT DU CANCER**
[72] CHARTIER-COURTAUD, CECILE, US
[72] VOGT, FREDERICK G., US
[71] IOVANCE BIOTHERAPEUTICS, INC., US
[71] VOGT, FREDERICK G., US
[85] 2023-08-02
[86] 2022-02-07 (PCT/US2022/015538)
[87] (WO2022/170219)
[30] US (63/146,303) 2021-02-05
[30] US (63/162,469) 2021-03-17

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[51] **Int.Cl. H01M 10/613 (2014.01) H01M 10/625 (2014.01) H01M 10/647 (2014.01) H01M 10/6554 (2014.01) H01M 10/6556 (2014.01) H01M 50/211 (2021.01) H01M 50/249 (2021.01) H01M 50/262 (2021.01)**
[25] EN
[54] **SCALABLY STRUCTURABLE BATTERY PACK**
[54] **BLOC-BATTERIE STRUCTURABLE DE MANIERE A POUVOIR ETRE MISE A ECHELLE**
[72] HAAVIKKO, OLLI, FI
[72] AUTIONIEMI, MATTI, FI
[72] NISKANEN, JORI-JAAKKO, FI
[71] AURORA POWERTRAINS OY, FI
[85] 2023-08-02
[86] 2022-02-02 (PCT/FI2022/050064)
[87] (WO2022/167725)
[30] FI (20215113) 2021-02-03

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[13] A1
[25] EN
[54] **SHELVING SYSTEM**
[54]
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[85] 2023-08-02
[86] 2021-04-01 (PCT/CN2021/084828)
[87] (WO2022/165969)
[30] CN (202110163503.0) 2021-02-05

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[13] A1
[51] **Int.Cl. G06Q 20/02 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD OF ANONYMISING ONLINE INTERACTIONS AND TRANSACTIONS**
[54] **SYSTEME ET PROCEDE D'ANONYMISATION D'INTERACTIONS ET DE TRANSACTIONS EN LIGNE**
[72] ALEKNAVICIUS, JASMIN, AU
[71] ALEKNAVICIUS, JASMIN, AU
[85] 2023-08-02
[86] 2022-02-07 (PCT/AU2022/050063)
[87] (WO2022/165558)
[30] AU (2021900271) 2021-02-05

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[13] A1
[51] **Int.Cl. H01M 10/48 (2006.01) H01M 10/615 (2014.01) H01M 10/625 (2014.01) H01M 10/63 (2014.01) H01M 10/647 (2014.01) H01M 10/65 (2014.01) H01M 10/653 (2014.01) H01M 10/6551 (2014.01) H01M 10/6552 (2014.01) H01M 10/6556 (2014.01) H01M 10/6568 (2014.01) H01M 50/209 (2021.01) H01M 50/211 (2021.01)**
[25] EN
[54] **THERMAL MANAGEMENT OF A BATTERY MODULE AND OF A BATTERY PACK**
[54] **GESTION THERMIQUE D'UN MODULE DE BATTERIE ET D'UN BLOC-BATTERIE**
[72] HAAVIKKO, OLLI, FI
[72] AUTIONIEMI, MATTI, FI
[72] NISKANEN, JORI-JAAKKO, FI
[71] AURORA POWERTRAINS OY, FI
[85] 2023-08-02
[86] 2022-02-02 (PCT/FI2022/050065)
[87] (WO2022/167726)
[30] FI (20215114) 2021-02-03

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[13] A1
[51] **Int.Cl. A61K 36/28 (2006.01) A61P 31/14 (2006.01)**
[25] FR
[54] **THERAPEUTIC COMPOSITION BASED ON DHODH- INHIBITING NEUROLAENA LEAVES FOR THE TREATMENT OF RNA VIRUS INFECTIONS**
[54] **COMPOSITION THERAPEUTIQUE A BASE DE FEUILLES DE NEUROLAENA INHIBITRICE DE LA DHODH POUR LE TRAITEMENT D'INFECTIONS PAR VIRUS A ARN**
[72] JOSEPH, HENRY, FR
[71] PHYTOBOKAZ, FR
[85] 2023-08-02
[86] 2022-02-09 (PCT/EP2022/053144)
[87] (WO2022/171682)
[30] FR (FR2101262) 2021-02-10
[30] FR (FR2200066) 2022-01-05

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[13] A1
[51] **Int.Cl. H01M 50/211 (2021.01) H01M 50/224 (2021.01) H01M 50/242 (2021.01) H01M 50/249 (2021.01) H01M 50/262 (2021.01) H01M 50/502 (2021.01) H01M 50/55 (2021.01) H01M 50/552 (2021.01)**
[25] EN
[54] **SPACE-OPTIMIZED STRUCTURE OF A BATTERY MODULE**
[54] **STRUCTURE SPATIALEMENT OPTIMISEE D'UN MODULE DE BATTERIE**
[72] HAAVIKKO, OLLI, FI
[72] NISKANEN, JORI-JAAKKO, FI
[72] AUTIONIEMI, MATTI, FI
[71] AURORA POWERTRAINS OY, FI
[85] 2023-08-02
[86] 2022-02-02 (PCT/FI2022/050063)
[87] (WO2022/167724)
[30] FI (20215112) 2021-02-03

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[13] A1
[25] EN
[54] **PANEL ATTACHMENT STRUCTURE**
[54] **STRUCTURE DE FIXATION DE PANNEAU**
[72] STEINBICKER, JOSEPH J., US
[71] COPPER HARBOR INVESTMENTS, LLC, US
[85] 2023-08-02
[86] 2022-02-09 (PCT/US2022/015743)
[87] (WO2022/173782)
[30] US (17/173,817) 2021-02-11

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[13] A1
[51] **Int.Cl. B28C 5/08 (2006.01) B28C 5/42 (2006.01)**
[25] EN
[54] **SKID-STEERS AND MOBILE MIXING SKID-STEERS ATTACHMENTS WITH SCOOP AND RELATED METHODS FOR FACILITATING PROCESSING AND INSTALLING OF ASPHALT**
[54] **CHARGEUSES A DIRECTION A GLISSEMENT ET ACCESSOIRES DE MELANGE MOBILES DE CHARGEUSES A DIRECTION A GLISSEMENT DOTES D'UNE PELLE ET PROCEDES ASSOCIES DE FACILITATION DU TRAITEMENT ET DE LA MISE EN PLACE D'ASPHALT**
[72] REEVES, MARK C., US
[72] REEVES, EDWARD F., US
[72] JELKE, NORMAN M., US
[72] STICHTER, KRISTOFER J., US
[72] JELKE, CHARLIE G., US
[71] REEVES ENTERPRISES, INC., US
[85] 2023-08-02
[86] 2022-02-03 (PCT/US2022/015160)
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[30] US (63/145,151) 2021-02-03

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[51] **Int.Cl. A23C 9/13 (2006.01) A61K 35/741 (2015.01) A61K 38/44 (2006.01) A61P 1/16 (2006.01) A61P 25/32 (2006.01) C12N 1/21 (2006.01) C12N 15/53 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **GENETICALLY GENGINEERED BACTERIUM FOR HANGOVER AND LIVER DISEASE PREVENTION AND/OR TREATMENT**
[54] **BACTERIE GENETIQUEMENT MODIFIEE POUR LA PREVENTION ET/OU LE TRAITEMENT DE LA GUEULE DE BOIS ET DE LA MALADIE DU FOIE**
[72] XIANG, BIN, CN
[72] YIN, SHENGMING, CN
[72] WANG, YANNING, CN
[71] COMMBIO THERAPEUTICS CO., LTD., CN
[85] 2023-08-02
[86] 2022-02-08 (PCT/CN2022/075470)
[87] (WO2022/166978)
[30] CN (PCT/CN2021/076102) 2021-02-08

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[13] A1
[51] **Int.Cl. H04W 4/029 (2018.01) G01S 19/01 (2010.01) B60R 25/33 (2013.01)**
[25] EN
[54] **GPS TRACKING DEVICE WITH EXTENDED BATTERY LIFE**
[54] **DISPOSITIF DE SUIVI GPS A DUREE DE VIE DE BATTERIE PROLONGEE**
[72] CZARNECKY, JOSEPH A., US
[72] ROOK, STEVEN A., US
[72] CRUTCHFIELD, SCOTT A., US
[72] STAIR, GREGORY P., US
[71] PINPOINT IDEAS, LLC, US
[85] 2023-08-02
[86] 2022-02-02 (PCT/US2022/014910)
[87] (WO2022/169848)
[30] US (17/166,581) 2021-02-03

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[13] A1
[51] **Int.Cl. G21G 1/02 (2006.01) G21K 5/08 (2006.01)**
[25] EN
[54] **IRRADIATION TARGET FOR PRODUCING MO-99 ISOTOPE IN HEAVY WATER REACTOR**
[54] **CIBLE D'IRRADIATION POUR LA PRODUCTION D'UN ISOTOPE MO-99 DANS UN REACTEUR A EAU LOURDE**
[72] CHEN, FULIANG, CN
[72] LU, JUNQIANG, CN
[72] ZHOU, YUNQING, CN
[72] HAN, YU, CN
[72] YE, QING, CN
[72] ZHU, LIBING, CN
[71] SHANGHAI NUCLEAR ENGINEERING RESEARCH & DESIGN INSTITUTE CO., LTD., CN
[85] 2023-08-02
[86] 2022-04-02 (PCT/CN2022/085054)
[87] (WO2022/167007)
[30] CN (202110144157.1) 2021-02-02

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[13] A1
[51] **Int.Cl. H02K 21/18 (2006.01) H02K 33/16 (2006.01)**
[25] EN
[54] **IMPROVEMENT TO POWER GENERATION BY MOTION TRANSFORMATION**
[54] **AMELIORATION DE LA PRODUCTION D'ENERGIE PAR TRANSFORMATION DE MOUVEMENT**
[72] MARQUEZ LOPEZ, FEDERICO, MX
[71] MARQUEZ LOPEZ, FEDERICO, MX
[85] 2023-08-02
[86] 2022-02-14 (PCT/US2022/016302)
[87] (WO2022/174139)
[30] US (63/149,651) 2021-02-15

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[13] A1
[51] **Int.Cl. G21C 15/12 (2006.01) G21C 15/14 (2006.01)**
[25] EN
[54] **MIXING CHAMBER STRUCTURE FOR PRISMATIC HIGH-TEMPERATURE GAS-COOLED REACTOR, AND PRISMATIC HIGH-TEMPERATURE GAS-COOLED REACTOR STRUCTURE**
[54] **STRUCTURE DE CHAMBRE DE MELANGE POUR REACTEUR PRISMATIQUE A HAUTE TEMPERATURE ET A REFROIDISSEMENT PAR GAZ, ET STRUCTURE DE REACTEUR PRISMATIQUE A HAUTE TEMPERATURE ET A REFROIDISSEMENT PAR GA**
[72] DONG, JIANHUA, CN
[72] ZHANG, SHUOTING, CN
[72] ZHANG, CHENGLONG, CN
[72] ZHU, SIYANG, CN
[72] LI, HUANG, CN
[72] YAO, HONG, CN
[72] HE, KAI, CN
[72] YANG, CHANGJIANG, CN
[72] LIU, GUOMING, CN
[72] WANG, JUN, CN
[71] CHINA NUCLEAR POWER ENGINEERING CO., LTD., CN
[85] 2023-08-02
[86] 2022-02-21 (PCT/CN2022/076982)
[87] (WO2022/193905)
[30] CN (202110274580.3) 2021-03-15

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[13] A1
[25] EN
[54] **TESTICULAR IMPLANT DEVICE AND METHOD**
[54] **DISPOSITIF IMPLANT TESTICULAIRE ET PROCEDE**
[72] ELIST, JAMES J., US
[71] MENOVA INTERNATIONAL, INC., US
[85] 2023-08-02
[86] 2022-02-10 (PCT/US2022/016019)
[87] (WO2022/173979)
[30] US (17/172,506) 2021-02-10

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[13] A1
[25] EN
[54] **THERAPEUTIC EYEGLASSES**
[54] **LUNETTES THERAPEUTIQUES**
[72] COLLEY, KEITH, CA
[71] COLLEY, KEITH, CA
[85] 2023-08-02
[86] 2022-03-11 (PCT/CA2022/050369)
[87] (WO2022/187972)
[30] US (63/160,362) 2021-03-12

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[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/454 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF A SOMATOSTATIN MODULATOR**
[54] **FORMES CRISTALLINES D'UN MODULATEUR DE LA SOMATOSTATINE**
[72] ZHAO, YUXIN, US
[72] REDDY, JAYACHANDRA P., US
[72] MACEACHERN, LAUREN, US
[72] KAHWAJI, SAMER, US
[72] MONYONCHO, EVANS, US
[72] MUELLER, PETER, US
[71] CRINETICS PHARMACEUTICALS, INC., US
[85] 2023-08-02
[86] 2022-02-16 (PCT/US2022/016577)
[87] (WO2022/177974)
[30] US (63/150,262) 2021-02-17

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[13] A1
[51] **Int.Cl. C12N 9/92 (2006.01) C12P 19/02 (2006.01) C12P 19/24 (2006.01)**
[25] EN
[54] **ENZYMATIC ENRICHMENT OF FOOD INGREDIENTS FOR SUGAR REDUCTION**
[54] **ENRICHISSEMENT ENZYMATIQUE D'INGREDIENTS ALIMENTAIRES ENTRAINANT LA REDUCTION DU SUCRE**
[72] WICHELECKI, DANIEL JOSEPH, US
[72] ROGERS, EDWIN O., US
[71] BONUMOSE, INC., US
[85] 2023-08-02
[86] 2022-02-02 (PCT/US2022/014819)
[87] (WO2022/169793)
[30] US (63/144,815) 2021-02-02

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[13] A1
[51] **Int.Cl. A61P 37/02 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **IRAK4 DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION D'IRAK4 ET LEURS UTILISATIONS**
[72] RONG, HAOJING, US
[72] ENERSON, BRAD, US
[71] KYMERA THERAPEUTICS, INC, US
[85] 2023-08-02
[86] 2022-02-15 (PCT/US2022/070664)
[87] (WO2022/174269)
[30] US (63/149,625) 2021-02-15

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[13] A1
[51] **Int.Cl. A61P 31/16 (2006.01) A61P 31/20 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **2-S RIMANTADINE AND 2-R RIMANTADINE FOR TREATING CANCER AND PRECANCEROUS PAPILLOMA VIRUS LESIONS**
[54] **2-S RIMANTADINE ET 2-R RIMANTADINE POUR TRAITER LE CANCER ET LES LESIONS PRECANCEREUSES DU PAPILLOMAVIRUS**
[72] LUMPKIN, RICHARD, US
[71] TORAGEN, INC., US
[85] 2023-08-02
[86] 2022-02-15 (PCT/US2022/016471)
[87] (WO2022/177908)
[30] US (63/150,027) 2021-02-16

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[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4439 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **SOMATOSTATIN RECEPTOR TYPE 5 AGONIST FOR THE TREATMENT OF HYPERINSULINISM**
[54] **AGONISTE TYPE 5 DU RECEPTEUR DE LA SOMATOSTATINE POUR TRAITER L'HYPERINSULINISME**
[72] FERRARA-COOK, CHRISTINE, US
[72] KRASNER, ALAN S., US
[71] CRINETICS PHARMACEUTICALS, INC., US
[85] 2023-08-02
[86] 2022-02-16 (PCT/US2022/016593)
[87] (WO2022/177988)
[30] US (63/150,266) 2021-02-17
[30] US (63/244,039) 2021-09-14

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR MODULAR SINK WITH RAPID INSTALLATION**
[54] **SYSTEMES ET PROCEDES POUR EVIER MODULAIRE A INSTALLATION RAPIDE**
[72] HARRIS, THOMAS E., US
[72] BURTON, CORDELL R., US
[72] TYLER, JOEL D., US
[71] V-T INDUSTRIES INC., US
[85] 2023-08-02
[86] 2022-03-02 (PCT/US2022/018495)
[87] (WO2022/187345)
[30] US (63/155,363) 2021-03-02
[30] US (17/684,885) 2022-03-02

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[13] A1
[51] **Int.Cl. A61P 3/04 (2006.01) A61P 3/08 (2006.01) A61P 5/10 (2006.01)**
[25] EN
[54] **TREATMENTS OF PRADER-WILLI SYNDROME**
[54] **TRAITEMENTS DU SYNDROME DE PRADER-WILLI**
[72] GLASS, LAWRENCE IRWIN, US
[72] COGRAM, PATRICIA, GB
[71] NEUREN PHARMACEUTICALS LIMITED, NZ
[85] 2023-08-02
[86] 2022-02-11 (PCT/NZ2022/050017)
[87] (WO2022/173315)
[30] US (63/148,962) 2021-02-12

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[13] A1
[51] **Int.Cl. A47B 57/56 (2006.01) F16B 12/40 (2006.01)**
[25] EN
[54] **SHELVING BOARD AND SHELVING ASSEMBLY COMPRISING THE SAME**
[54] **PLANCHE D'ETAGERE ET ENSEMBLE ETAGERE COMPRENANT UNE PLANCHE D'ETAGERE**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[85] 2023-08-02
[86] 2021-04-01 (PCT/CN2021/084830)
[87] (WO2022/165970)
[30] CN (202110163507.9) 2021-02-05

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[13] A1
[51] **Int.Cl. E04G 7/12 (2006.01) E04G 7/28 (2006.01)**
[25] EN
[54] **TEMPORARY BUILDING EDGE SAFETY SCREEN SUPPORT**
[54] **SUPPORT D'ECRAN DE SECURITE DE BORD DE BATIMENT TEMPORAIRE**
[72] VULLO, DOMENICO, AU
[72] ROMER, GRAHAM, AU
[72] LAM, JOHN, AU
[71] MANE FENCING PTY LTD, AU
[85] 2023-08-02
[86] 2022-02-04 (PCT/AU2022/050061)
[87] (WO2022/165557)
[30] AU (2021900257) 2021-02-04

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **CDK INHIBITOR**
[54] **INHIBITEUR DE CDK**
[72] YAN, XIAOXIA, CN
[72] SUN, DAQING, CN
[71] SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD., CN
[85] 2023-08-03
[86] 2022-01-28 (PCT/CN2022/074491)
[87] (WO2022/166793)
[30] CN (202110161786.5) 2021-02-05
[30] CN (202110483256.2) 2021-04-30
[30] CN (202111062178.5) 2021-09-10
[30] CN (202111398260.5) 2021-11-19
[30] CN (202210048365.6) 2022-01-17

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01)**
[25] EN
[54] **BRAKES PILOTING SYSTEM**
[54] **SYSTEME DE PILOTAGE DE FREINS**
[72] CARMENT, THOMAS, FR
[72] BLEUNVEN, BLAISE, FR
[72] CLAUSE, THOMAS, FR
[72] CAHEN, SOPHIE, FR
[71] GANYMED ROBOTICS, FR
[85] 2023-08-03
[86] 2022-02-04 (PCT/EP2022/052662)
[87] (WO2022/167558)
[30] EP (21305161.8) 2021-02-05

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[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01)**
[25] EN
[54] **PRESSURIZED SOAP DISPENSER AND METHOD**
[54] **DISTRIBUTEUR DE SAVON SOUS PRESSION ET PROCEDE**
[72] MAHAFFEY, CLEARY E., US
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2023-08-03
[86] 2021-02-08 (PCT/US2021/017046)
[87] (WO2022/169465)

[21] **3,207,399**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING MICROPAYMENTS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE MICROPAIEMENTS**
[72] UZO, CHIJIOKE CHUKWUEMEKA, US
[71] AMPACASH CORPORATION, US
[85] 2023-08-03
[86] 2022-02-08 (PCT/US2022/015656)
[87] (WO2022/170259)
[30] US (63/147,185) 2021-02-08

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[13] A1
[51] **Int.Cl. A61B 90/18 (2016.01)**
[25] EN
[54] **PATIENT-SPECIFIC IMMOBILIZATION STRUCTURE AND SYSTEM AND METHOD FOR FABRICATION THEREOF**
[54] **STRUCTURE D'IMMOBILISATION SPECIFIQUE A UN PATIENT ET SYSTEME ET PROCEDE DE FABRICATION ASSOCIES**
[72] ROBAR, JAMES L., CA
[72] MAJCHER, CHRISTOPHER, CA
[72] ORBOVIC, RADOJKA (DECEASED), CA
[71] ADAPTIIV MEDICAL TECHNOLOGIES INC., CA
[85] 2023-08-03
[86] 2022-02-10 (PCT/CA2022/050194)
[87] (WO2022/170432)
[30] US (63/148,260) 2021-02-11

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[13] A1
[51] **Int.Cl. F28G 1/12 (2006.01) G01K 17/06 (2006.01) G01K 17/10 (2006.01)**
[25] EN
[54] **A PROCESS AND SYSTEM FOR AUTOMATED ONLINE FOULING PREVENTION OF VERTICAL SHELL AND TUBE GAS-TO-GAS HEAT EXCHANGERS**
[54] **PROCEDE ET SYSTEME PERMETTANT D?EMPECHER, EN LIGNE ET DE MANIERE AUTOMATISEE, L'ENCRASSEMENT D'ECHANGEURS DE CHALEUR GAZ-GAZ VERTICAUX A CALANDRE ET TUBES**
[72] ZOU, XIAOPING, CA
[72] WAGLER, THOMAS EDWARD, CA
[72] BACON, MARC, CA
[72] TSANGARIS, ANDREAS, CA
[72] SABERI, SHADI, CA
[72] FEASBY, DOUGLAS MICHAEL, CA
[72] ENNS, JONATHAN, CA
[72] REID, SCOTT, CA
[71] OMNI CONVERSION TECHNOLOGIES INC., CA
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[51] **Int.Cl. C06B 47/14 (2006.01)**
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[54] **EMULSION-TYPE EXPLOSIVES OF THE WATER-IN-OIL TYPE**
[54] **EXPLOSIFS DE TYPE EMULSION DU TYPE EAU DANS HUILE**
[72] LEDOUX, FRANCOIS, FR
[72] CHLADEK, PETR, NO
[71] YARA INTERNATIONAL ASA, NO
[85] 2023-08-03
[86] 2022-03-08 (PCT/EP2022/055786)
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[51] **Int.Cl. F41H 5/26 (2006.01) F41H 5/013 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **TRANSPARENT BALLISTIC-RESISTANT SHIELD AND MOUNTING THEREFOR**
[54] **ECRAN PARE-BALLES TRANSPARENT ET SON MONTAGE**
[72] KOEPKE, KERRY DARRELL, US
[72] SCHMIDT, SUSAN D., US
[72] HARRIS, GLENN E., US
[72] HILL, CLYDE E., US
[71] NO ACCESS ARMOR LLC, US
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[86] 2022-03-18 (PCT/US2022/020891)
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[30] US (63/163,444) 2021-03-19

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[13] A1
[51] **Int.Cl. B65D 47/08 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **CONTAINER CLOSURE WITH TAMPER-EVIDENT RING, AND METHOD FOR ASSEMBLING A CONTAINER CLOSURE OF THIS KIND**
[54] **FERMETURE DE RECIPIENT DOTEE D'UNE BAGUE D?INVIOLABILITE ET PROCEDE D'ASSEMBLAGE D'UNE TELLE FERMETURE DE RECIPIENT**
[72] NUSBAUM, PHILIPPE, FR
[71] BERICAP HOLDING GMBH, DE
[85] 2023-08-03
[86] 2022-03-07 (PCT/EP2022/055744)
[87] (WO2022/189351)
[30] DE (10 2021 105 870.8) 2021-03-10
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[25] EN
[54] **EXPENDABLE MULTISTAGE PRESSURE-FED ABLATIVE-COOLING LOW TOXICITY LAUNCH VEHICLE**
[54] **VEHICULE DE LANCEMENT EXTENSIBLE A FAIBLE TOXICITE, A REFROIDISSEMENT PAR ABLATION, A ALIMENTATION SOUS PRESSION ET A ETAGES MULTIPLES**
[72] FAKAS, SERGII, UA
[72] CARPENTER, MICHAEL, US
[72] PARNOWSKI, ALEKSEI, UA
[72] GRECHULHIN, MYKHAILO, UA
[71] TARDIGRADE SPACE SYSTEMS LLC, US
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[13] A1
[51] **Int.Cl. A61F 11/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AN EARPIECE DEVICE**
[54] **APPAREIL ET PROCEDE POUR UN DISPOSITIF D'OREILLETTE**
[72] CHENAL, DAVID M., US
[71] JMJ HOLDINGS, LLC, US
[85] 2023-08-03
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[30] US (29/769,169) 2021-02-03
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[51] **Int.Cl. G16B 15/20 (2019.01) G06N 20/00 (2019.01) G16B 15/30 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **PREDICTING COMPLETE PROTEIN REPRESENTATIONS FROM MASKED PROTEIN REPRESENTATIONS**
[54] **PREDICTION DE REPRESENTATIONS DE PROTEINES COMPLETES A PARTIR DE REPRESENTATIONS DE PROTEINES MASQUEES**
[72] PRITZEL, ALEXANDER, GB
[72] IONESCU, CATALIN-DUMITRU, GB
[72] KOHL, SIMON, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2023-08-03
[86] 2022-01-27 (PCT/EP2022/051943)
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[13] A1
[51] **Int.Cl. B65D 47/08 (2006.01)**
[25] EN
[54] **ASEPTIC CONTAINER CLOSURE HAVING A HINGE AND A MOUTHPIECE**
[54] **FERMETURE DE RECIPIENT ASEPTIQUE COMPRENANT UNE CHARNIERE ET UN EMBOUT BUCCAL**
[72] NUSBAUM, PHILIPPE, FR
[71] BERICAP HOLDING GMBH, DE
[85] 2023-08-03
[86] 2022-03-07 (PCT/EP2022/055746)
[87] (WO2022/189353)
[30] DE (10 2021 105 870.8) 2021-03-10
[30] DE (10 2021 113 872.8) 2021-05-28
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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) C07K 16/24 (2006.01)**
[25] EN
[54] **DRUG CONJUGATE OF GLUCOCORTICOID RECEPTOR AGONIST, AND APPLICATION THEREOF IN MEDICINE**
[54] **CONJUGUE MEDICAMENTEUX D'AGONISTE DU RECEPTEUR DE GLUCOCORTICOIDE ET SON UTILISATION EN MEDECINE**
[72] ZHU, LINGJIAN, CN
[72] HONG, MIN, CN
[72] TANG, MANPING, CN
[72] SU, LU, CN
[72] DENG, MENGDIE, CN
[72] ZHANG, JINGYANG, CN
[72] REN, WENMING, CN
[72] LIN, KAN, CN
[72] HUANG, JIAN, CN
[72] LIAO, CHENG, CN
[72] ZHANG, LIANSHAN, CN
[71] SHANGHAI SENHUI MEDICINE CO., LTD., CN
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
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[51] **Int.Cl. A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **NANOEMULSION ADJUVANT COMPOSITION FOR PNEUMOCOCCAL CONJUGATE VACCINES**
[54] **COMPOSITION D'ADJUVANT DE NANOEMULSION POUR VACCINS PNEUMOCOCCIQUES CONJUGUES**
[72] SMITH, WILLIAM J., US
[72] AHL, PATRICK L., US
[72] SOUKUP, RANDAL J., US
[72] SKINNER, JULIE M., US
[71] MERCK SHARP & DOHME LLC, US
[85] 2023-08-03
[86] 2022-02-02 (PCT/US2022/014812)
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[30] US (63/145,651) 2021-02-04

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **NEURAL NETWORKS WITH ADAPTIVE GRADIENT CLIPPING**
[54] **RESEAUX NEURONAUX AVEC ECRETAGE DE GRADIENT ADAPTATIF**
[72] BROCK, ANDREW, GB
[72] DE, SOHAM, GB
[72] SMITH, SAMUEL LAURENCE, GB
[72] SIMONYAN, KAREN, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2023-08-03
[86] 2022-02-02 (PCT/EP2022/052484)
[87] (WO2022/167485)
[30] US (63/145,922) 2021-02-04
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[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **CELLULAR ENERGY-ABSORBING STRUCTURE FASTENING DEVICE**
[54] **DISPOSITIF DE FIXATION DE STRUCTURE D'ABSORPTION D'ENERGIE CELLULAIRE**
[72] STOREY, PIERS CHRISTIAN, FR
[72] ROGERS, JAMES, GB
[71] GEORGE TFE SCP, MC
[85] 2023-08-03
[86] 2022-04-27 (PCT/IB2022/053911)
[87] (WO2022/229876)
[30] EP (21020236.2) 2021-04-29
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[21] **3,207,423**
[13] A1
[51] **Int.Cl. H04L 12/00 (2006.01)**
[25] EN
[54] **PACKET LOSS RATE DETECTION METHOD, COMMUNICATION APPARATUS, AND COMMUNICATION SYSTEM**
[54] **PROCEDE DE MESURE DE TAUX DE PERTE DE PAQUETS, APPAREIL DE COMMUNICATION ET SYSTEME DE COMMUNICATION**
[72] YU, YOUYANG, CN
[72] SHI, SHUFENG, CN
[72] WU, WENFU, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-08-03
[86] 2022-01-18 (PCT/CN2022/072590)
[87] (WO2022/166577)
[30] CN (202110152262.X) 2021-02-03

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[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **CELLULAR ENERGY-ABSORBING STRUCTURE FASTENING DEVICE**
[54] **DISPOSITIF DE FIXATION DE STRUCTURE D'ABSORPTION D'ENERGIE CELLULAIRE**
[72] STOREY, PIERS CHRISTIAN, FR
[72] ROGERS, JAMES, GB
[71] GEORGE TFE SCP, MC
[85] 2023-08-03
[86] 2022-04-27 (PCT/IB2022/053910)
[87] (WO2022/229875)
[30] EP (21020236.2) 2021-04-29
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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **EPIGENETIC SILENCING FOR TREATMENT OF CANCER**
[54] **SILENCAGE EPIGENETIQUE POUR LE TRAITEMENT DU CANCER**
[72] BROCCOLI, VANIA, IT
[72] SESSA, ALESSANDRO, IT
[71] OSPEDALE SAN RAFFAELE S.R.L, IT
[71] CONSIGLIO NAZIONALE DELLE RICERCHE, IT
[85] 2023-08-03
[86] 2022-02-15 (PCT/EP2022/053711)
[87] (WO2022/171902)
[30] EP (21157246.6) 2021-02-15

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[13] A1
[51] **Int.Cl. C08G 59/62 (2006.01) C08G 59/68 (2006.01)**
[25] EN
[54] **CURABLE EPOXY SYSTEMS COMPRISING A PHENOLIC POLYMER**
[54] **SYSTEMES EPOXY DURCISSABLES COMPRENANT UN POLYMERE PHENOLIQUE**
[72] LIU, JUN, DE
[72] RAUSER, MARIAN, DE
[71] RAIN CARBON GERMANY GMBH, DE
[85] 2023-08-03
[86] 2022-02-08 (PCT/EP2022/053016)
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[30] EP (21155833.3) 2021-02-08

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[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **CELLULAR ENERGY-ABSORBING STRUCTURE FASTENING DEVICE**
[54] **DISPOSITIF DE FIXATION DE STRUCTURE D'ABSORPTION D'ENERGIE CELLULAIRE**
[72] STOREY, PIERS CHRISTIAN, FR
[72] ROGERS, JAMES, GB
[71] GEORGE TFE SCP, MC
[85] 2023-08-03
[86] 2022-04-27 (PCT/IB2022/053908)
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[51] **Int.Cl. B09B 3/40 (2022.01) B01J 8/40 (2006.01) F26B 3/08 (2006.01) F26B 3/092 (2006.01) F26B 17/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DRYING FOODSTUFF RESIDUAL PRODUCT**
[54] **PROCEDE ET SYSTEME DE SECHAGE DE PRODUIT ALIMENTAIRE RESIDUEL**
[72] STEFAN, EKSTRAND, SE
[72] ROBERT, RAHLIN, SE
[71] ELAJO TECHNOLOGY SOLUTIONS AB, SE
[85] 2023-08-03
[86] 2022-01-24 (PCT/EP2022/051473)
[87] (WO2022/175022)
[30] EP (21157840.6) 2021-02-18

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[13] A1
[51] **Int.Cl. G06T 15/08 (2011.01) G06N 3/02 (2006.01) G06T 15/20 (2011.01)**
[25] EN
[54] **RENDERING NEW IMAGES OF SCENES USING GEOMETRY-AWARE NEURAL NETWORKS CONDITIONED ON LATENT VARIABLES**
[54] **RENDU DE NOUVELLES IMAGES DE SCENES A L'AIDE DE RESEAUX NEURONAUX SENSIBLES A LA GEOMETRIE CONDITIONNES SUR DES VARIABLES LATENTES**
[72] KOSIOREK, ADAM ROMAN, GB
[72] STRATHMANN, HEIKO, GB
[72] REZENDE, DANILO JIMENEZ, GB
[72] ZORAN, DANIEL, GB
[72] MORENO COMELLAS, POL, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2023-08-03
[86] 2022-02-04 (PCT/EP2022/052754)
[87] (WO2022/167602)
[30] US (63/145,782) 2021-02-04

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[13] A1
[25] EN
[54] **A LAYERED DOUBLE HYDROXIDE, A PROCESS FOR THE SYNTHESIS AND USES THEREOF**
[54] **HYDROXYDE DOUBLE LAMELLAIRE, SON PROCEDE DE SYNTHESE ET SES UTILISATIONS**
[72] ABELLAN SAEZ, GONZALO, ES
[72] OESTREICHER, VICTOR, ES
[72] CORONADO MIRALLES, EUGENIO, ES
[72] ROMERO PASCUAL, JORGE, ES
[71] UNIVERSITAT DE VALENCIA - ESTUDI GENERAL, ES
[85] 2023-08-03
[86] 2022-02-14 (PCT/EP2022/053489)
[87] (WO2022/171855)
[30] EP (21382113.5) 2021-02-12

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[13] A1
[51] **Int.Cl. G16H 40/67 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMMUNICATING DYNAMIC AUGMENTED REALITY BASED INSTRUCTIONS FROM A REMOTE LOCATION ON THE BASIS OF SENSORY FEEDBACK ACQUIRED FROM THE TARGET ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION D'INSTRUCTIONS BASEES SUR UNE REALITE AUGMENTEE DYNAMIQUE A PARTIR D'UN EMPLACEMENT DISTANT SUR LA BASE D'UNE RETROACTION SENSORIELLE ACQUISE A PARTIR DE L'ENVIRONNEMENT CIBL**
[72] MERJANIAN, VIC A., US
[72] JUAREZ, EDUARDO, US
[72] KHALILI, RYAN, US
[72] WALLENGREN, DANIEL, US
[72] NASSER, SERENE, US
[72] MERJANIAN, ED, US
[71] TITAN HEALTH & SECURITY TECHNOLOGIES, INC., US
[85] 2023-08-03
[86] 2022-02-02 (PCT/US2022/014870)
[87] (WO2022/169816)
[30] US (63/145,287) 2021-02-03

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[13] A1
[51] **Int.Cl. E21B 34/08 (2006.01)**
[25] EN
[54] **FLOW REGULATION TOOL**
[54] **OUTIL DE REGULATION D'ECOULEMENT**
[72] RAGGIO, JOHN, US
[72] NAZARENKO, PAVEL, US
[72] SHIRK, TYLER, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2023-08-03
[86] 2022-02-03 (PCT/US2022/070506)
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[30] US (17/166,650) 2021-02-03

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[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **AGAVE FRUCTANS COMPOSITIONS AS AN EFFECTIVE TREATMENT FOR ALZHEIMER'S DISEASE**
[54] **COMPOSITIONS DE FRUCTANES D'AGAVE EN TANT QUE TRAITEMENT EFFICACE DE LA MALADIE D'ALZHEIMER**
[72] PEREZ CRUZ, CLAUDIA, MX
[72] GARCIA MENA, JAIME, MX
[72] CUERVO ZANATTA, DANIEL, MX
[72] HERNANDEZ ACOSTA, JULIETA, MX
[72] BUSTILLO ARMENDARIZ, GUSTAVO RODOLFO, MX
[71] CENTRO DE INVESTIGACION Y DE ESTUDIOS AVANZADOS DEL INSTITUTO POLITECNICO NACIONAL (CINVESTAV), MX
[71] BUSTAR ALIMENTOS S.A.P.I. DE C.V., MX
[85] 2023-08-03
[86] 2021-08-31 (PCT/IB2021/057937)
[87] (WO2022/043965)
[30] MX (MX/A/2020/009055) 2020-08-31

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **GENERATING NEURAL NETWORK OUTPUTS BY ENRICHING LATENT EMBEDDINGS USING SELF-ATTENTION AND CROSS-ATTENTION OPERATIONS**
[54] **GENERATION DE SORTIES DE RESEAU NEURONAL PAR ENRICHISSEMENT D'INCORPORATIONS LATENTES A L'AIDE D'OPERATIONS D'AUTO-ATTENTION ET D'ATTENTION CROISEE**
[72] JAEGLE, ANDREW COULTER, GB
[72] CARREIRA, JOAO, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2023-08-03
[86] 2022-02-03 (PCT/EP2022/052569)
[87] (WO2022/167518)
[30] US (63/146,161) 2021-02-05

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[13] A1
[25] EN
[54] **SEAMLESS INTEGRATION OF ENGINEERED ZINC FINGERS INTO ENDOGENOUS TRANSCRIPTION FACTORS TO COMMANDEER THEIR NATURAL FUNCTIONS**
[54] **INTEGRATION CONTINUE DE DOIGTS DE ZINC MODIFIES EN FACTEURS DE TRANSCRIPTION ENDOGENES POUR COMMANDER LEURS FONCTIONS NATURELLES**
[72] NOYES, MARCUS, US
[72] TAIPALE, MIKKO, CA
[72] KIM, PHILIP M., CA
[71] NEW YORK UNIVERSITY, US
[71] THE GOVERNING COUNCIL OF THE UNIVERISTY OF TORONTO, CA
[85] 2023-08-03
[86] 2022-02-04 (PCT/US2022/015346)
[87] (WO2022/170117)
[30] US (63/145,929) 2021-02-04

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **PROTEIN AND METABOLITE BLOOD BIOMARKERS FOR THE DIAGNOSIS OF BRUGADA SYNDROME**
[54] **BIOMARQUEURS SANGUINS DE PROTEINES ET DE METABOLITES POUR LE DIAGNOSTIC DU SYNDROME DE BRUGADA**
[72] PAPPONE, CARLO, IT
[72] ANASTASIA, LUIGI, IT
[72] CICONTE, GIUSEPPE, IT
[72] ESPINOSA ANGARICA, VLADIMIR, IT
[72] VICEDOMINI, GABRIELE, IT
[72] PETRETTO, ENRICO, IT
[71] CARDIOMIX S.R.L., IT
[85] 2023-08-03
[86] 2022-02-24 (PCT/IB2022/051626)
[87] (WO2022/180559)
[30] EP (21159669.7) 2021-02-26

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[13] A1
[51] **Int.Cl. G21C 1/22 (2006.01) G21C 13/10 (2006.01) G21C 15/02 (2006.01) G21C 15/28 (2006.01)**
[25] FR
[54] **MOLTEN SALT FISSION REACTOR WITH INTEGRATED PRIMARY EXCHANGER AND ELECTROGENERATOR COMPRISING SUCH A REACTOR**
[54] **REACTEUR DE FISSION A SELS FONDUS ET A ECHANGEUR PRIMAIRE INTEGRE, ET ELECTROGENERATEUR COMPRENANT UN TEL REACTEUR**
[72] ALEXANDRE, JEAN-LUC, FR
[71] NAAREA, FR
[85] 2023-08-03
[86] 2022-02-15 (PCT/FR2022/050270)
[87] (WO2022/175624)
[30] FR (FR2101490) 2021-02-16

[21] **3,207,440**
[13] A1
[51] **Int.Cl. A61P 1/04 (2006.01)**
[25] EN
[54] **AMISELIMOD FOR PREVENTING, TREATING, OR AMELIORATING ULCERATIVE COLITIS**
[54] **AMISELIMOD POUR LA PREVENTION, LE TRAITEMENT OU L'AMELIORATION DE LA RECTOCOLITE HEMORRAGIQUE**
[72] LEE, JIMIN, US
[72] SLATKIN, NEAL, US
[72] LOWE, EZRA R., US
[72] HEIMANSON, ZEEV, US
[71] BAUSCH HEALTH IRELAND LIMITED, IE
[85] 2023-08-03
[86] 2022-02-08 (PCT/EP2022/053030)
[87] (WO2022/167690)
[30] US (63/147,060) 2021-02-08

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[13] A1
[51] **Int.Cl. G06Q 20/22 (2012.01) G06Q 20/10 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXECUTING ELECTRONIC TRANSACTIONS AND TOKENIZATIONS WITH DISTRIBUTED SETTLEMENT PLATFORM**
[54] **SYSTEMES ET PROCEDES POUR EXECUTER DES TRANSACTIONS ELECTRONIQUES ET DES TOKENISATIONS A L'AIDE D'UNE PLATEFORME DE REGLEMENT DISTRIBUE**
[72] RUSSELL, DANNY K., GB
[72] HELLDORFF, THOMAS, GB
[71] WORLDPAY, LLC, US
[85] 2023-08-03
[86] 2021-11-19 (PCT/US2021/060205)
[87] (WO2022/173482)
[30] US (17/172,501) 2021-02-10

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[13] A1
[51] **Int.Cl. H04W 16/10 (2009.01) H04W 72/04 (2023.01)**
[25] EN
[54] **METHODS AND APPARATUS OF ENHANCED PDCCH CANDIDATE MONITORING**
[54] **PROCEDES ET APPAREIL DE SURVEILLANCE AMELIOREE DE CANDIDATS DE PDCCH**
[72] ZHANG, YI, CN
[72] ZHU, CHENXI, US
[72] LIU, BINGCHAO, CN
[72] LING, WEI, CN
[72] XIAO, LINGLING, CN
[71] LENOVO (BEIJING) LIMITED, CN
[85] 2023-08-03
[86] 2021-04-01 (PCT/CN2021/084959)
[87] (WO2022/205318)

[21] **3,207,444**
[13] A1
[51] **Int.Cl. G06F 30/13 (2020.01) G06F 30/20 (2020.01)**
[25] EN
[54] **AR ENHANCED STRUCTURAL TRANSFORMATION ESTIMATOR AND MODELING ENGINE**
[54] **ESTIMATEUR DE TRANSFORMATION STRUCTURELLE AMELIORE PAR AR ET MOTEUR DE MODELISATION**
[72] MERJANIAN, VIC A., US
[71] TITAN HEALTH & SECURITY TECHNOLOGIES, INC., US
[85] 2023-08-03
[86] 2022-02-02 (PCT/US2022/014887)
[87] (WO2022/169830)
[30] US (63/145,343) 2021-02-03

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[13] A1
[51] **Int.Cl. H02M 7/48 (2007.01)**
[25] EN
[54] **CONTROL DEVICE AND CONTROL METHOD FOR POWER CONVERSION DEVICE**
[54] **DISPOSITIF DE COMMANDE ET PROCEDE DE COMMANDE POUR DISPOSITIF DE CONVERSION DE COURANT**
[72] SUZUKI, TETSUJI, JP
[72] KUMAMOTO, YOSHIHITO, JP
[72] WAKAMATSU, TAKANORI, JP
[71] MEIDENSHA CORPORATION, JP
[85] 2023-08-03
[86] 2022-01-06 (PCT/JP2022/000247)
[87] (WO2022/168524)
[30] JP (2021-016277) 2021-02-04

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[13] A1
[25] EN
[54] **ANTIBODIES THAT BIND GLUCOSAMINIDASE AND USES THEREOF**
[54] **ANTICORPS QUI SE LIENT A LA GLUCOSAMINIDASE ET LEURS UTILISATIONS**
[72] BENEDYK, MARK, US
[71] TELEPHUS BIOSCIENCES, LLC, US
[85] 2023-08-03
[86] 2022-02-11 (PCT/US2022/016060)
[87] (WO2022/174009)
[30] US (63/149,003) 2021-02-12

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[13] A1
[51] **Int.Cl. C07D 207/10 (2006.01) A61K 31/19 (2006.01) C07D 211/76 (2006.01) C07D 211/96 (2006.01) C07D 311/20 (2006.01) C07D 333/28 (2006.01) C07D 401/12 (2006.01) C07D 405/04 (2006.01) C07D 417/04 (2006.01) C07D 487/18 (2006.01)**
[25] EN
[54] **SUBSTITUTED CYCLIC MODULATORS OF PROTEIN PHOSPHATASE 2A (PP2A) AND METHODS USING SAME**
[54] **MODULATEURS CYCLIQUES SUBSTITUES DE PROTEINE PHOSPHATASE 2A (PP2A) ET LEURS PROCEDES D'UTILISATION**
[72] TRAINOR, GEORGE L., US
[72] RABAL GRACIA, MARIA OBDULIA, ES
[72] FOURMOIS, LAURA, FR
[72] GHERBOVET, OLGA, FR
[72] CACHOUX, FREDERIC, FR
[71] RAPPTA THERAPEUTICS OY, FI
[85] 2023-08-03
[86] 2022-02-07 (PCT/IB2022/000060)
[87] (WO2022/167867)
[30] US (63/146,789) 2021-02-08
[30] US (63/273,405) 2021-10-29
[30] US (63/191,405) 2021-05-21

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[13] A1
[51] **Int.Cl. E04B 1/86 (2006.01)**
[25] EN
[54] **A SOUND INSULATING ELEMENT AND A SUSPENDED CEILING SYSTEM**
[54] **ELEMENT D'ISOLATION ACOUSTIQUE ET SYSTEME DE PLAFOND SUSPENDU**
[72] JACQUS, GARY, FR
[72] LURASOV, VOLODYMYR, FR
[72] SOURCIS, BENJAMIN, FR
[71] SAINT-GOBAIN ECOPHON AB, SE
[85] 2023-08-03
[86] 2022-02-10 (PCT/EP2022/053275)
[87] (WO2022/175163)
[30] EP (21158160.8) 2021-02-19

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[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR AUTOMATICALLY GUIDING AN AUTONOMOUS AIRCRAFT**
[54]
[72] DESCUDE, SEBASTIEN, FR
[72] SANNINO, CHRISTIAN, FR
[72] BORONAT, HUGO, FR
[71] THALES, FR
[85] 2023-08-03
[86] 2022-02-02 (PCT/EP2022/052395)
[87] (WO2022/167441)
[30] FR (FR2101143) 2021-02-05

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01)**
[25] EN
[54] **VMAT2 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS DE VMAT2 ET PROCEDES D'UTILISATION**
[72] HARRIOTT, NICOLE, US
[72] PAGANO, NICHOLAS, US
[72] BOON, BYRON A., US
[71] NEUROCRINE BIOSCIENCES, INC., US
[85] 2023-08-03
[86] 2022-03-21 (PCT/US2022/021080)
[87] (WO2022/203984)
[30] US (63/164,135) 2021-03-22

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[13] A1
[51] **Int.Cl. A47D 13/02 (2006.01) A47D 13/08 (2006.01)**
[25] EN
[54] **TORSO DEVICE**
[54] **DISPOSITIF DE TORSE**
[72] ZENOFF, ANDREW, US
[71] ZENOFF PRODUCTS, INC., US
[85] 2023-08-03
[86] 2022-02-01 (PCT/US2022/014681)
[87] (WO2022/169736)
[30] US (17/169,385) 2021-02-05

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01)**
[25] EN
[54] **ENGINEERED NKT CELLS FOR EXPANSION AND IN VIVO PRESERVATION AND METHODS OF USE FOR THE CONTROL OF TUMOR CELLS**
[54] **LYMPHOCYTES NKT MODIFIES POUR LA MULTIPLICATION ET LA CONSERVATION IN VIVO ET PROCEDES D'UTILISATION DESTINE A LA REGULATION DES CELLULES TUMORALES**
[72] METELITSA, LEONID S., US
[72] NGAI, HO, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2023-08-03
[86] 2022-02-07 (PCT/US2022/015525)
[87] (WO2022/170210)
[30] US (63/146,693) 2021-02-07

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[13] A1
[51] **Int.Cl. F24F 1/0063 (2019.01) F24F 1/24 (2011.01) F24F 1/0067 (2019.01)**
[25] EN
[54] **HEAT EXCHANGER AND MANUFACTURING METHOD THEREFOR, ELECTRIC CONTROL BOX, AND AIR CONDITIONING SYSTEM**
[54] **ECHANGEUR DE CHALEUR ET SON PROCEDE DE FABRICATION, BOITIER DE COMMANDE ELECTRIQUE ET SYSTEME DE CLIMATISATION**
[72] LI, ZHAOHUI, CN
[72] LUO, YUZHAO, CN
[72] LI, FENG, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2023-08-03
[86] 2021-09-26 (PCT/CN2021/120787)
[87] (WO2022/166223)
[30] CN (202110183051.2) 2021-02-08

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[13] A1
[25] EN
[54] **HYDRAULIC DEVICE AND METHOD FOR CONTROLLING A HYDRAULIC DEVICE**
[54] **DISPOSITIF HYDRAULIQUE ET PROCEDE DE REGULATION D'UN DISPOSITIF HYDRAULIQUE**
[72] DUFFNER, EBERHARD, DE
[72] FEST, WALTER, DE
[71] ARBURG GMBH + CO KG, DE
[85] 2023-08-03
[86] 2022-02-21 (PCT/EP2022/054212)
[87] (WO2022/179971)
[30] DE (10 2021 104 398.0) 2021-02-24

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[13] A1
[51] **Int.Cl. A61K 8/41 (2006.01)**
[25] EN
[54] **SUBSTITUTION OF AMMONIA IN HAIR ALTERING PRODUCTS**
[54] **SUBSTITUTION D'AMMONIAC DANS DES PRODUITS MODIFIANT LES CHEVEUX**
[72] DHAMDHERE, MRUNALINI SHIREESH, US
[72] KURIYAMA, RUTH KEIKO, BR
[72] PYZOWSKI, BONNIE A., US
[71] ANGUS CHEMICAL COMPANY, US
[85] 2023-08-03
[86] 2022-02-18 (PCT/US2022/017063)
[87] (WO2022/182596)
[30] US (63/152,544) 2021-02-23

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[13] A1
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A MULTILAYER COATED SURFACE AND A PRODUCT CONTAINING A MULTILAYER COATED SURFACE**
[54] **PROCEDE DE PRODUCTION D'UNE SURFACE MULTICOUCHE REVETUE ET PRODUIT CONTENANT UNE SURFACE MULTICOUCHE REVETUE**
[72] SZEJWIAN, JERZY, PL
[72] SMUS, MICHA?, PL
[72] KONIECZNY, KRZYSZTOF, PL
[72] NOWAK, MATEUSZ, PL
[71] SCHATTDECOR SP. Z.O.O., PL
[85] 2023-08-03
[86] 2022-01-28 (PCT/PL2022/050003)
[87] (WO2022/182259)
[30] PL (P.437098) 2021-02-24

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[13] A1
[51] **Int.Cl. A41B 1/08 (2006.01) A41D 1/08 (2018.01) A63B 21/055 (2006.01)**
[25] EN
[54] **MOBILITY-ASSISTIVE GARMENT**
[54] **VETEMENT D'ASSISTANCE A LA MOBILITE**
[72] MIES, MICHAEL JAMES, US
[72] RACZKOWSKI, WALDEMAR TADEUSZ, US
[72] HAYDEN, WILLIAM FRANCIS, US
[71] ENCORE INNOVATION GROUP LLC, US
[85] 2023-08-03
[86] 2022-01-17 (PCT/US2022/012657)
[87] (WO2022/169583)
[30] US (63/199,948) 2021-02-04

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[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) C07D 401/14 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] BURLI, ROLAND, GB
[72] DOYLE, KEVIN, GB
[72] TEALL, MARTIN, GB
[71] CEREVANCE, INC., US
[85] 2023-08-03
[86] 2022-02-08 (PCT/GB2022/050324)
[87] (WO2022/167819)
[30] GB (2101734.8) 2021-02-08

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[13] A1
[51] **Int.Cl. G06F 40/10 (2020.01) G06F 40/20 (2020.01) G06F 40/40 (2020.01) G06N 5/02 (2023.01)**
[25] EN
[54] **REPUTATION MANAGEMENT AND MACHINE LEARNING SYSTEMS AND PROCESSES**
[54] **SYSTEMES ET PROCESSUS DE GESTION DE REPUTATION ET D'APPRENTISSAGE AUTOMATIQUE**
[72] BURTON, TERRI L., US
[72] BLEASE, ROCHELLE F., US
[72] LONGE, BRIAN J., US
[72] COOPER, TODD R., US
[72] SLOAN, J.B., US
[72] GABLE, KELLIE N., US
[71] SONTIQ, INC., US
[71] NUARCA, LLC, US
[85] 2023-08-03
[86] 2022-02-17 (PCT/US2022/016884)
[87] (WO2022/178192)
[30] US (17/179,336) 2021-02-18

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[13] A1
[51] **Int.Cl. C07D 267/10 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **FUSED RING DERIVATIVES CONTAINING 1,4-OXAZEPANE**
[54] **DERIVES CYCLIQUES FUSIONNES CONTENANT DU 1,4-OXAZEPANE**
[72] WU, LINGYUN, CN
[72] ZHAO, LELE, CN
[72] CHEN, DEHENG, CN
[72] YAN, XIAOXUAN, CN
[72] CHEN, SHUHUI, CN
[71] MEDSHINE DISCOVERY INC., CN
[85] 2023-08-03
[86] 2022-01-26 (PCT/CN2022/074088)
[87] (WO2022/166721)
[30] CN (202110164857.7) 2021-02-05
[30] CN (202111138395.8) 2021-09-27

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[13] A1
[51] **Int.Cl. F25B 13/00 (2006.01) F28D 21/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM**
[54] **SYSTEME DE CLIMATISATION**
[72] LI, ZHAOHUI, CN
[72] LI, FENG, CN
[72] WANG, GUOCHUN, CN
[72] LUO, YUZHAO, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2023-08-03
[86] 2021-09-30 (PCT/CN2021/122415)
[87] (WO2022/166238)
[30] CN (202110183053.1) 2021-02-08

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[13] A1
[51] **Int.Cl. G01R 33/483 (2006.01) G01R 33/56 (2006.01)**
[25] EN
[54] **BLOOD INDICATORS OF ALZHEIMER'S DISEASE**
[54] **INDICATEURS SANGUINS DE LA MALADIE D'ALZHEIMER**
[72] BANACK, SANDRA ANNA, US
[72] COX, PAUL ALAN, US
[71] THE INSTITUTE FOR ETHNOMEDICINE DBA BRAIN CHEMISTRY LABS, US
[85] 2023-08-03
[86] 2022-02-05 (PCT/IB2022/051010)
[87] (WO2022/168006)
[30] US (63/146,031) 2021-02-05

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[13] A1
[51] **Int.Cl. G01R 33/50 (2006.01)**
[25] EN
[54] **METHOD OF ANALYSING MEDICAL IMAGES**
[54] **PROCEDE D'ANALYSE D'IMAGES MEDICALES**
[72] ROBSON, MATTHEW, GB
[72] SMITH, ALEX, GB
[72] FERNANDEZ, CAROLINA, GB
[71] PERSPECTUM LTD, GB
[85] 2023-08-03
[86] 2022-02-11 (PCT/EP2022/053393)
[87] (WO2022/171807)
[30] GB (2101949.2) 2021-02-12

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[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01) C07D 407/14 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **QUINOXALINE DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE QUINOXALINE ET LEURS UTILISATIONS**
[72] LUCAS, MATTHEW C., US
[72] PADILLA, FERNANDO, US
[71] BLACK DIAMOND THERAPEUTICS, INC., US
[71] LUCAS, MATTHEW C., US
[71] PADILLA, FERNANDO, US
[85] 2023-08-03
[86] 2022-02-04 (PCT/US2022/015353)
[87] (WO2022/170122)
[30] US (63/146,312) 2021-02-05
[30] US (63/223,255) 2021-07-19
[30] US (63/242,260) 2021-09-09

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[13] A1
[51] **Int.Cl. H04W 4/38 (2018.01) G06Q 10/08 (2023.01) H04B 17/309 (2015.01) H04W 4/80 (2018.01)**
[25] EN
[54] **GATEWAY CONNECTION FROM BEACON TRACKERS TO A NETWORK**
[54] **CONNEXION DE PASSERELLES DE SUIVEURS DE BALISES VERS UN RESEAU**
[72] BRIZEL, KEN, CA
[71] COLDCHASE GP INC., CA
[85] 2023-08-03
[86] 2022-02-04 (PCT/CA2022/050162)
[87] (WO2022/165600)
[30] US (63/146,133) 2021-02-05
[30] US (63/201,868) 2021-05-17

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[13] A1
[25] EN
[54] **HOOK ASSEMBLY AND SHELVING ASSEMBLY USING THE SAME**
[54] **ENSEMBLE DE SUSPENSION ET ENSEMBLE ETAGERE L'UTILISANT**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[85] 2023-08-03
[86] 2021-04-01 (PCT/CN2021/084831)
[87] (WO2022/165971)
[30] CN (202110161015.6) 2021-02-05

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[13] A1
[25] EN
[54] **TRIM, VERTICAL BEAM ASSEMBLY AND SHELVING SYSTEM**
[54] **GARNITURE, ENSEMBLE POUTRE VERTICALE ET SYSTEME DE STOCKAGE**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[85] 2023-08-03
[86] 2021-04-01 (PCT/CN2021/084826)
[87] (WO2022/165968)
[30] CN (202110162623.9) 2021-02-05

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[13] A1
[25] EN
[54] **CONFORMABLE SAND SCREEN**
[54] **TAMIS A SABLE ADAPTABLE**
[72] KOVALCHUK, ANTON, US
[72] SADANA, ANIL, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2023-08-03
[86] 2022-02-04 (PCT/US2022/070532)
[87] (WO2022/170349)

[21] **3,207,480**
[13] A1
[51] **Int.Cl. C04B 11/028 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE CONTINUOUS PREPARATION OF ALPHA-CALCIUM SULPHATE HEMIHYDRATE AND A PARTICULATE GYPSUM**
[54] **PROCEDE DE PREPARATION CONTINUE D?ALPHA-SULFATE DE CALCIUM HEMIHYDRATE ET D?UN GYPSE SOUS FORME DE PARTICULES**
[72] FRANCY, OLIVIER, FR
[72] MAGAUD, LIONEL, FR
[72] COLOMBO, JOEL, FR
[72] TRAN, BINH, FR
[71] SAINT-GOBAIN PLACO, FR
[85] 2023-08-03
[86] 2022-02-22 (PCT/EP2022/054409)
[87] (WO2022/194499)
[30] EP (21305344.0) 2021-03-19

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[13] A1
[51] **Int.Cl. A23P 30/10 (2016.01) A23P 30/20 (2016.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING PRODUCTS FROM WARM DOUGH**
[54] **PROCEDE ET DISPOSITIF D'ELABORATION DE PRODUITS A PARTIR DE PATE CHAUDE**
[72] LOPEZ FUERIS, JUAN IGNACIO, ES
[72] LOPEZ FUERIS, JORGE LUIS, ES
[72] LOPEZ FUERIS, EDUARDO JOSE, ES
[71] COPRINAL GF, S.L., ES
[85] 2023-08-03
[86] 2021-02-18 (PCT/ES2021/070118)
[87] (WO2022/175569)

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[13] A1
[25] EN
[54] **NOOTROPIC PEPTIDES FOR TREATING LYSOSOMAL STORAGE DISEASES**
[54] **PEPTIDES NOOTROPIQUES POUR LE TRAITEMENT DE MALADIES LYSOSOMALES**
[72] WOOD, JILL, US
[72] PSHEZHETSKY, ALEXEY, US
[72] BOSE, POULOMEE, US
[71] PHOENIX NEST INC., US
[85] 2023-08-03
[86] 2022-02-09 (PCT/US2022/015818)
[87] (WO2022/173827)
[30] US (63/147,509) 2021-02-09

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 10/08 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VESSEL RISK ASSESSMENT**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE RISQUE ASSOCIE A UN VAISSEAU**
[72] DIVIDINO, RENATA QUEIROZ, CA
[72] ALFARO SUZAN, ANA LUISA, CA
[72] JAYARAMAN, DHIVYA, CA
[72] FRIEDRICH, BENJAMIN KURTIS, CA
[72] MARSHY, ROBERT MICHAEL, CA
[71] GLOBAL SPATIAL TECHNOLOGY SOLUTIONS INC., CA
[85] 2023-08-04
[86] 2022-02-08 (PCT/CA2022/050176)
[87] (WO2022/170422)
[30] US (17/171,516) 2021-02-09

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[13] A1
[51] **Int.Cl. E06B 9/15 (2006.01)**
[25] FR
[54] **SHUTTER-TYPE ROLLABLE DEVICE FOR OCCLUDING AN OPENING, COMPRISING WATERTIGHT SEALING MEANS**
[54] **DISPOSITIF ENROULABLE DE TYPE VOLET POUR OCCULTER UNE OUVERTURE COMPORTANT DES MOYENS D'ETANCHEITE A L'EAU**
[72] BLONDET, HUBERT, FR
[72] MELAMED, LAURENT, FR
[72] GABERT, FLORIAN, FR
[72] DIONIS DU SEJOUR, LUC, FR
[71] MELAMED, LAURENT, FR
[85] 2023-08-04
[86] 2021-09-01 (PCT/EP2021/074172)
[87] (WO2022/167109)
[30] FR (PCT/FR2021/050212) 2021-02-04

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[13] A1
[51] **Int.Cl. B66F 3/18 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR**
[54] **ACTIONNEUR LINEAIRE**
[72] FORTE, ALAIN, CA
[72] LAFOREST, PIERRE, CA
[72] GOBEIL, ALAIN, CA
[71] GESTION LAFOREST INC., CA
[85] 2023-08-04
[86] 2021-05-20 (PCT/CA2021/050684)
[87] (WO2022/241535)

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[13] A1
[51] **Int.Cl. C07C 259/10 (2006.01)**
[25] EN
[54] **CRYSTALLINE SOLIDS OF MEK INHIBITOR N-((R)-2,3-DIHYDROXYPROPOXY)-3,4-DIFLUORO-2-(2-FLUORO-4-IODOPHENYLAMINO)-BENZAMIDE AND USES THEREOF**
[54] **SOLIDES CRISTALLINS D'INHIBITEUR DE MEK N-((R)-2,3-DIHYDROXYPROPOXY)-3,4-DIFLUORO-2-(2-FLUORO-4-IODOPHENYLAMINO)-BENZAMIDE ET UTILISATIONS ASSOCIEES**
[72] PATTERSON, KRISTIN, US
[72] LIU, JIPING, US
[72] COUCH, RICKY WAYNE, US
[72] VARLASHKIN, PETER GREGORY, US
[72] LI, MAI, US
[72] GAN, YONGHONG, US
[71] SPRINGWORKS THERAPEUTICS, INC., US
[85] 2023-08-04
[86] 2021-02-17 (PCT/US2021/018381)
[87] (WO2022/177557)

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[13] A1
[51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACKING ITEMS**
[54] **SYSTEMES ET PROCEDES DE SUIVI D'ARTICLES**
[72] LAFAUCI, MICHAEL A., US
[72] WAHL, JEFFREY R., US
[72] PINSKY, JONATHAN, US
[71] MIDAS HEALTHCARE SOLUTIONS, INC., US
[85] 2023-08-04
[86] 2022-02-08 (PCT/US2022/015595)
[87] (WO2022/170236)
[30] US (63/146,935) 2021-02-08
[30] US (63/187,577) 2021-05-12
[30] US (63/290,959) 2021-12-17

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[13] A1
[51] **Int.Cl. A23F 5/14 (2006.01) A23G 1/48 (2006.01) A23G 1/56 (2006.01)**
[25] FR
[54] **COFFEE-BASED FOOD COMPOSITION AND PRODUCTION METHOD THEREFOR**
[54] **COMPOSITION A BASE DE CAFE ET PROCEDE DE PREPARATION**
[72] BAUD, BETRAND, CH
[72] CARTIER, MARC-ANDRE, CH
[71] LA COFFOLATERIE SA, CH
[85] 2023-08-04
[86] 2022-02-04 (PCT/EP2022/052762)
[87] (WO2022/167608)
[30] EP (PCT/EP2021/052671) 2021-02-04

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[13] A1
[25] EN
[54] **COMPOSITIONS COMPRISING A VARIANT CAS12I4 POLYPEPTIDE AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UN POLYPEPTIDE CAS12I4 VARIANT ET LEURS UTILISATIONS**
[72] CHONG, SHAORONG, US
[72] LU, WEI-CHENG, US
[72] HILBERT, BRENDAN JAY, US
[72] WESSELLS, QUINTON NORMAN, US
[72] DITOMMASO, TIA MARIE, US
[72] GARRITY, ANTHONY JAMES, US
[71] ARBOR BIOTECHNOLOGIES, INC., US
[85] 2023-08-04
[86] 2022-02-11 (PCT/US2022/016214)
[87] (WO2022/174099)
[30] US (63/148,421) 2021-02-11
[30] US (63/154,437) 2021-02-26

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[13] A1
[51] **Int.Cl. E21B 33/124 (2006.01) E21B 34/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTISTAGE FRACTURING**
[54] **SYSTEMES ET PROCEDES DE FRACTURATION EN PLUSIEURS ETAPES**
[72] GIBSON, CHAD MICHAEL ERICK, US
[72] PAYNE, DEREK SLATER, US
[72] CHAMBERS, CLAY EDWARD, US
[72] CORONADO, MARTIN PAUL, US
[71] THE WELLBOSS COMPANY, INC., CA
[85] 2023-08-04
[86] 2022-02-04 (PCT/IB2022/051002)
[87] (WO2022/168002)
[30] US (63/146,229) 2021-02-05

[21] **3,207,527**
[13] A1
[25] EN
[54] **METHODS OF AND COMPOSITIONS FOR REDUCING GENE EXPRESSION AND/OR ACTIVITY**
[54] **METHODES ET COMPOSITIONS DE REDUCTION DE L'EXPRESSION ET/OU DE L'ACTIVITE GENIQUE**
[72] KMIEC, ERIC B., US
[72] YOO, BYUNG-CHUN, US
[71] CHRISTIANA CARE GENE EDITING INSTITUTE, INC., US
[85] 2023-08-04
[86] 2022-02-04 (PCT/US2022/015261)
[87] (WO2022/170059)
[30] US (63/146,057) 2021-02-05

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[13] A1
[25] EN
[54] **PROCESS AND SYSTEM FOR THE MANUFACTURING OF SLABS MADE OF RESIN-BONDED MINERAL GRITS**
[54] **PROCEDE ET SYSTEME POUR LA FABRICATION DE DALLES CONSTITUEES DE GROSSES PARTICULES MINERALES LIEES PAR DES RESINES**
[72] TAROZZI, FABIO, IT
[71] SITI - B&T GROUP S.P.A., IT
[85] 2023-08-04
[86] 2022-02-14 (PCT/IB2022/051296)
[87] (WO2022/172242)
[30] IT (102021000003353) 2021-02-15

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[13] A1
[25] EN
[54] **ADMINISTRATION OF RESINIFERATOXIN FOR TREATMENT OF PROSTATE CANCER**
[54] **ADMINISTRATION DE RESINIFERATOXINE POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] JI, HENRY HONGJUN, US
[72] NAHAMA, ALEXIS G., US
[72] HERRMANN, ANDREAS, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2023-08-04
[86] 2022-02-10 (PCT/US2022/015934)
[87] (WO2022/173916)
[30] US (63/148,343) 2021-02-11

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[13] A1
[51] **Int.Cl. F21V 29/56 (2015.01)**
[25] EN
[54] **ENERGY MANAGEMENT SYSTEM AND METHOD IN COMBINED GREENHOUSES AND VERTICAL FARMS**
[54] **SYSTEME ET PROCEDE DE GESTION D'ENERGIE DANS DES SERRES ET FERMES VERTICALES COMBINEES**
[72] DAOUST, YVES, CA
[72] DUPAUL, DENIS, CA
[71] FERME D'HIVER TECHNOLOGIES INC., CA
[85] 2023-08-04
[86] 2022-05-03 (PCT/CA2022/050680)
[87] (WO2022/232916)
[30] US (63/183,347) 2021-05-03

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[13] A1
[51] **Int.Cl. A61B 17/11 (2006.01) A61B 17/122 (2006.01)**
[25] EN
[54] **A COMPRESSION ANASTOMOSIS SYSTEM, AND USE THEREOF**
[54] **SYSTEME D'ANASTOMOSE PAR COMPRESSION ET SON UTILISATION**
[72] JOHNSON BARKER, STEPHEN, IE
[72] HEALION, DONAL, IE
[72] PURTILL, CRISTINA, IE
[71] MEDVIE LIMITED, IE
[85] 2023-08-04
[86] 2021-12-22 (PCT/EP2021/087431)
[87] (WO2022/171349)
[30] EP (21156978.5) 2021-02-12

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[51] **Int.Cl. H05B 47/00 (2020.01) H02S 10/10 (2014.01) H02S 10/20 (2014.01) G16Y 40/10 (2020.01) G16Y 40/20 (2020.01) H05B 45/00 (2022.01) H05B 47/175 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD OF RECYCLING LIGHT IN HOME/STORE/COMMERCIAL AND STREET LIGHT FIXTURES**
[54] **SYSTEME ET PROCEDE DE RECYCLAGE DE LUMIERE DANS DES APPAREILS D'ECLAIRAGE DOMESTIQUE/DE MAGASIN/COMMERCIAL ET DE REVERBERE**
[72] VAIDYA, BANSI PRANAV, CA
[72] VAIDYA, PRANAV JAGADISHCHANDRA, CA
[71] VAIDYA, BANSI PRANAV, CA
[71] VAIDYA, PRANAV JAGADISHCHANDRA, CA
[85] 2023-08-04
[86] 2022-12-09 (PCT/CA2022/051807)
[87] (WO2023/108263)
[30] US (63/291,400) 2021-12-19

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[13] A1
[51] **Int.Cl. C10C 3/14 (2006.01)**
[25] EN
[54] **SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT**
[54] **FORMATIONS SOLIDES DE MATERIAUX BITUMINEUX NON VOLATILS APPROPRIEES POUR REDUIRE LES EMISSIONS DE DIOXYDE DE CARBONE PENDANT LE TRANSPORT**
[72] GIANNELIA, PAUL B., CA
[71] PHILERGOS GROUP FOUNDATION, CA
[85] 2023-08-04
[86] 2022-02-08 (PCT/IB2022/051093)
[87] (WO2022/168058)
[30] US (63/146,812) 2021-02-08
[30] US (17/665,520) 2022-02-05

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[13] A1
[51] **Int.Cl. H05B 47/105 (2020.01) A61B 90/30 (2016.01) H05B 47/17 (2020.01)**
[25] EN
[54] **SURGICAL LIGHTING SYSTEM THAT REDUCES RISK OF EXCESSIVE RADIANT ENERGY**
[54] **SYSTEME D'ECLAIRAGE CHIRURGICAL QUI REDUIT LE RISQUE D'ENERGIE RAYONNANTE EXCESSIVE**
[72] MATZ, MICHAEL K., US
[72] MOSCUFO, STEVEN T., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2023-08-04
[86] 2022-02-02 (PCT/US2022/014867)
[87] (WO2022/173625)
[30] US (17/172,693) 2021-02-10

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[13] A1
[51] **Int.Cl. C04B 28/18 (2006.01) C04B 14/28 (2006.01) C04B 28/04 (2006.01)**
[25] EN
[54] **CALCIUM SILICATE-BASED HYDRAULIC CEMENT TO FORM A COMPOSITE MATERIAL HAVING REINFORCING PROPERTIES**
[54] **CIMENT HYDRAULIQUE A BASE DE SILICATE DE CALCIUM POUR FORMER UN MATERIAU COMPOSITE AYANT DES PROPRIETES DE RENFORCEMENT**
[72] DJOUDI, MOUNIR, FR
[72] RICHARD, GILLES, FR
[72] ARTAUD, LAURENT, FR
[71] SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, FR
[85] 2023-08-04
[86] 2022-03-04 (PCT/EP2022/055649)
[87] (WO2022/184932)
[30] EP (21305261.6) 2021-03-04

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[13] A1
[51] **Int.Cl. C10C 3/14 (2006.01) C08J 7/04 (2020.01)**
[25] EN
[54] **METHODS OF PREPARING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT**
[54] **PROCEDES DE PREPARATION DE FORMATIONS SOLIDES DE MATIERES BITUMINEUSES NON VOLATILES APPROPRIEES POUR REDUIRE LES EMISSIONS DE DIOXYDE DE CARBONE PENDANT LE TRANSPORT**
[72] GIANNELIA, PAUL, CA
[71] PHILERGOS GROUP FOUNDATION, CA
[85] 2023-08-04
[86] 2022-02-08 (PCT/IB2022/051094)
[87] (WO2022/168059)
[30] US (63/146,812) 2021-02-08
[30] US (17/665,522) 2022-02-05

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[13] A1
[51] **Int.Cl. A61P 31/14 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **SARBECOVIRUS BINDERS**
[54] **LIANTS DE SARBECOVIRUS**
[72] SAELENS, XAVIER, BE
[72] DE VLIEGER, DORIEN, BE
[72] ROSSEY, IEBE, BE
[72] DE CAE, SIEGLINDE, BE
[72] SEDEYN, KOEN, BE
[72] VAN SCHIE, LOES, BE
[72] EECKHAUT, HANNAH, BE
[72] FIJALKOWSKA, DARIA, BE
[72] STORTELERS, CATELIJNE, BE
[72] SCHEPENS, BERT, BE
[72] CALLEWAERT, NICO, BE
[72] REMAUT, HAN, BE
[72] NERINCKX, WIM, BE
[72] ROOSE, KENNY, BE
[72] REITER, DIRK, BE
[71] VIB VZW, BE
[71] GHENT UNIVERSITY, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[85] 2023-08-04
[86] 2022-02-07 (PCT/EP2022/052919)
[87] (WO2022/167666)
[30] EP (PCT/EP2021/052885) 2021-02-05
[30] EP (21166835.5) 2021-04-02
[30] EP (21173680.6) 2021-05-12

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[13] A1
[25] EN
[54] **PORTABLE CENTRIFUGE APPARATUS & METHODS**
[54] **PROCEDES ET APPAREIL DE CENTRIFUGEUSE PORTATIVE**
[72] ALLARD, RANDALL, US
[72] ALLARD, POLLY, US
[72] MCLEER, THOMAS J., US
[71] ABC MED TECH CORP, US
[85] 2023-08-04
[86] 2022-02-10 (PCT/US2022/015937)
[87] (WO2022/173918)
[30] US (63/147,908) 2021-02-10
[30] US (63/237,039) 2021-08-25

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) C07K 14/705 (2006.01)**
[25] EN
[54] **ACTIVITY-INDUCIBLE FUSION PROTEINS HAVING A HEAT SHOCK PROTEIN 90 BINDING DOMAIN**
[54] **PROTEINES DE FUSION INDUCTIBLES PAR ACTIVITE AYANT UN DOMAINE DE LIAISON A LA PROTEINE DE CHOC THERMIQUE 90**
[72] KONING, RYAN, US
[72] JOHNSON, ADAM, US
[72] SAXBY, CHRIS, US
[72] JENSEN, MICHAEL C., US
[72] BLUMENTHAL, IAN, US
[72] REID, AQUENE, US
[71] SEATTLE CHILDREN'S HOSPITAL D/B/A SEATTLE CHILDREN'S RESEARCH INSTITUTE, US
[85] 2023-08-04
[86] 2022-02-11 (PCT/US2022/016119)
[87] (WO2022/174035)
[30] US (63/149,131) 2021-02-12
[30] US (63/226,554) 2021-07-28

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[13] A1
[51] **Int.Cl. C10C 3/10 (2006.01) C10C 3/12 (2006.01) C10C 3/14 (2006.01)**
[25] EN
[54] **RECEIVERS FOR SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT**
[54] **RESERVOIRS POUR FORMATIONS SOLIDES DE MATERIAUX BITUMINEUX NON VOLATILS CONVENANT A LA REDUCTION DES EMISSIONS DE DIOXYDE DE CARBONE EN COURS DE TRANSPORT**
[72] GIANNELIA, PAUL, CA
[71] PHILERGOS GROUP FOUNDATION, CA
[85] 2023-08-04
[86] 2022-02-08 (PCT/IB2022/051095)
[87] (WO2022/168060)
[30] US (63/146,812) 2021-02-08
[30] US (17/665,531) 2022-02-05

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[13] A1
[51] **Int.Cl. H03K 17/0416 (2006.01)**
[25] EN
[54] **HYBRID HIGH-SPEED AND HIGH-PERFORMANCE SWITCH SYSTEM**
[54] **SYSTEME DE COMMUTATEUR HYBRIDE A HAUTE VITESSE ET A HAUTE PERFORMANCE**
[72] BEGLIN, THOMAS WAYNE, US
[72] AMIN, FAROOQ UL, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2023-08-04
[86] 2022-01-10 (PCT/US2022/011848)
[87] (WO2022/177660)
[30] US (17/176,957) 2021-02-16

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[13] A1
[51] **Int.Cl. A23J 3/14 (2006.01) A23J 3/16 (2006.01) A23J 3/18 (2006.01) A23J 3/22 (2006.01) A23J 3/26 (2006.01)**
[25] EN
[54] **PLANT BASED SCHNITZEL PRODUCT**
[54] **PRODUIT VEGETAL DE TYPE SCHNITZEL**
[72] PIBAROT, PATRICK, CH
[72] HERZ, LAURA, CH
[72] DAVAILLE, ROMAIN, CH
[72] PINEAU, NICOLAS, CH
[72] LIMA, ANTHONY, FR
[72] PELLOUX, CINDY, FR
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2023-08-04
[86] 2022-04-06 (PCT/EP2022/059134)
[87] (WO2022/214548)
[30] EP (21167036.9) 2021-04-06
[30] EP (21182991.6) 2021-06-30

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[13] A1
[51] **Int.Cl. A61K 6/56 (2020.01) A61K 6/78 (2020.01) A61K 6/853 (2020.01) A61K 6/856 (2020.01) A61K 6/873 (2020.01) A61K 6/876 (2020.01) C04B 28/18 (2006.01)**
[25] EN
[54] **CALCIUM SILICATE-BASED DENTAL COMPOSITION LEADING TO IMPROVED PROPERTIES**
[54] **COMPOSITION DENTAIRE A BASE DE SILICATE DE CALCIUM CONDUISANT A DES PROPRIETES AMELIOREES**
[72] DJOUDI, MOUNIR, FR
[72] RICHARD, GILLES, FR
[72] LEROUX, ESTHER, FR
[71] SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, FR
[85] 2023-08-04
[86] 2022-03-04 (PCT/EP2022/055648)
[87] (WO2022/184931)
[30] EP (21305262.4) 2021-03-04

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[13] A1
[51] **Int.Cl. A01C 7/18 (2006.01)**
[25] EN
[54] **GRANULE PORTIONING DEVICE FOR AN AGRICULTURAL DISPENSING MACHINE**
[54] **DISPOSITIF DE DIVISION EN PORTIONS DE GRANULES DESTINE A UNE MACHINE DE DISTRIBUTION AGRICOLE**
[72] HILBERT, FLORENZ, DE
[72] TECKEMEYER, STEPHAN, DE
[71] AMAZONEN-WERKE H. DREYER SE & CO. KG, DE
[85] 2023-08-04
[86] 2022-03-03 (PCT/EP2022/055355)
[87] (WO2022/194560)
[30] DE (10 2021 106 439.2) 2021-03-17

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[13] A1
[51] **Int.Cl. B65D 88/74 (2006.01) B61D 3/16 (2006.01) C10C 3/14 (2006.01)**
[25] EN
[54] **METHODS OF TRANSPORTING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS AND REDUCING CARBON DIOXIDE EMISSIONS**
[54] **PROCEDES DE TRANSPORT DE FORMATIONS SOLIDES DE MATERIAUX BITUMINEUX NON VOLATILS ET DE REDUCTION DES EMISSIONS DE DIOXYDE DE CARBONE**
[72] GIANNELIA, PAUL, CA
[71] PHILERGOS GROUP FOUNDATION, CA
[85] 2023-08-04
[86] 2022-02-08 (PCT/IB2022/051091)
[87] (WO2022/168056)
[30] US (63/146,812) 2021-02-08
[30] US (17/665,532) 2022-02-05

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[13] A1
[51] **Int.Cl. F24B 1/191 (2006.01) F24B 1/193 (2006.01) F24B 13/02 (2006.01)**
[25] EN
[54] **COMBUSTIBLE FUEL BURNING FIRE PIT WITH REMOVABLE FIRE GRATE AND ASH PAN**
[54] **BRASERO A COMBUSTION DE COMBUSTIBLE AVEC GRILLE DE FOYER ET BAC A CENDRES AMOVIBLES**
[72] WEILERT, JEFFREY R., US
[72] MAGHSADI, ALEXANDER K., US
[71] SOLO BRANDS, LLC, US
[85] 2023-08-04
[86] 2022-01-06 (PCT/US2022/011365)
[87] (WO2022/169543)
[30] US (17/169,269) 2021-02-05

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[13] A1
[51] **Int.Cl. C08G 10/04 (2006.01) B01J 47/12 (2017.01) C08J 5/22 (2006.01)**
[25] EN
[54] **OXIDATION RESISTANT POLYMERS FOR USE AS ANION EXCHANGE MEMBRANES AND IONOMERS**
[54] **POLYMERES RESISTANT A L'OXYDATION DESTINES A ETRE UTILISES EN TANT QUE MEMBRANES ECHANGEUSES D'ANIONS ET IONOMERES**
[72] YAN, YUSHAN, US
[72] HU, KEDA, US
[72] WANG, LAN, US
[72] SETZLER, BRIAN, US
[72] SHI, WENJUAN, US
[72] WANG, JUNHUA, US
[71] UNIVERSITY OF DELAWARE, US
[71] VERSOGEN, INC., US
[71] YAN, YUSHAN, US
[71] HU, KEDA, US
[71] WANG, LAN, US
[71] SETZLER, BRIAN, US
[71] SHI, WENJUAN, US
[71] WANG, JUNHUA, US
[85] 2023-08-04
[86] 2022-02-04 (PCT/US2022/015189)
[87] (WO2022/170022)
[30] US (63/145,518) 2021-02-04

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[13] A1
[51] **Int.Cl. G07B 15/06 (2011.01)**
[25] EN
[54] **AN AUTOMATED COMPUTATIONAL METHOD AND TOLLING SYSTEM FOR THE DETERMINATION OF THE VALIDITY OF THE PASSAGE OF A VEHICLE IN A TOLL**
[54] **PROCEDE DE CALCUL AUTOMATISE ET SYSTEME DE PEAGE POUR LA DETERMINATION DE LA VALIDITE DU PASSAGE D'UN VEHICULE DANS UN PEAGE**
[72] AMARAL COSTA, ANDRE, PT
[72] PEREZ REGIDOR, JERONIMO FRANCISCO, PT
[72] ANDRADE RIBEIRO, JOAO NUNO, PT
[71] ATOBE - MOBILITY TECHNOLOGY, S.A., PT
[85] 2023-08-04
[86] 2022-02-07 (PCT/IB2022/051052)
[87] (WO2022/172147)
[30] PT (117056) 2021-02-09
[30] US (17/207,681) 2021-03-21

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[13] A1
[51] **Int.Cl. E05D 3/18 (2006.01) F25D 11/00 (2006.01) F25D 23/00 (2006.01) F25D 23/02 (2006.01)**
[25] EN
[54] **CASE ASSEMBLY AND REFRIGERATION DEVICE**
[54] **ENSEMBLE CORPS DE BOITE ET APPAREIL DE REFRIGERATION**
[72] ZHONG, LEI, CN
[72] ZENG, GUO, CN
[72] LIU, XUEKANG, CN
[71] GUANGDONG MIDEA WHITE HOME APPLIANCE TECHNOLOGY INNOVATION CENTER CO. LTD., CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] HEFEI HUALING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2023-08-04
[86] 2022-01-27 (PCT/CN2022/074401)
[87] (WO2022/170995)
[30] CN (202110179364.0) 2021-02-09
[30] CN (202110438317.3) 2021-04-22
[30] CN (202110437122.7) 2021-04-22
[30] CN (202120844123.9) 2021-04-22
[30] CN (202110438302.7) 2021-04-22
[30] CN (202120844146.X) 2021-04-22
[30] CN (202110438309.9) 2021-04-22
[30] CN (202120844287.1) 2021-04-22
[30] CN (202110437127.X) 2021-04-22
[30] CN (202120844080.4) 2021-04-22
[30] CN (202110438285.7) 2021-04-22
[30] CN (202120844122.4) 2021-04-22

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[13] A1
[51] **Int.Cl. C07K 14/805 (2006.01)**
[25] EN
[54] **CURING DISEASE BY TRANSCRIPTION REGULATORY GENE EDITING**
[54] **TRAITEMENT D'UNE MALADIE PAR EDITION DE GENE REGULATEUR DE TRANSCRIPTION**
[72] DE LAAT, WOUTER LEONARD, NL
[71] KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN, NL
[85] 2023-08-04
[86] 2022-02-11 (PCT/EP2022/053341)
[87] (WO2022/171783)
[30] EP (21156461.2) 2021-02-11

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[13] A1
[51] **Int.Cl. A23L 33/15 (2016.01)**
[25] EN
[54] **EXTENDED RELEASE VITAMIN C AND MANUFACTURING THEREOF**
[54] **VITAMINE C A LIBERATION PROLONGEE ET SA FABRICATION**
[72] WHITE, TYLER, US
[72] FOWLER, KELLI, US
[72] BOLIVAR, JOWELL, US
[71] CAPSUGEL BELGIUM NV, US
[85] 2023-08-04
[86] 2022-02-07 (PCT/US2022/015470)
[87] (WO2022/170181)
[30] US (63/146,863) 2021-02-08

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[51] **Int.Cl. A23J 3/00 (2006.01) A23J 3/14 (2006.01)**
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[54] **PSEUDO-MEAT FOOD PRODUCT AND METHOD FOR PRODUCING PSEUDO-MEAT FOOD PRODUCT**
[54] **PRODUIT ALIMENTAIRE DE PSEUDO-VIANDE ET PROCEDE DE PRODUCTION DE PRODUIT ALIMENTAIRE DE PSEUDO-VIANDE**
[72] SUNG, YOUNGSOON, JP
[71] BANSEISHA CO., LTD., JP
[85] 2023-08-04
[86] 2021-12-23 (PCT/JP2021/047897)
[87] (WO2022/168482)
[30] JP (2021-018423) 2021-02-08
[30] JP (2021-155609) 2021-09-24

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[51] **Int.Cl. B03B 9/06 (2006.01) B65F 3/14 (2006.01)**
[25] EN
[54] **EQUIPMENT FOR SEPARATING BAGGED WASTE**
[54] **EQUIPEMENT DE SEPARATION DE RESIDUS MIS EN SAC**
[72] GUILLEM PICO, IGNACIO, ES
[71] THERECIRCULARS S.L., ES
[85] 2023-08-04
[86] 2022-02-24 (PCT/ES2022/070099)
[87] (WO2022/180291)
[30] ES (U202130393) 2021-02-25

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[51] **Int.Cl. G01N 23/203 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELIMINATING CROSS-TALK IN SCANNING SYSTEMS HAVING MULTIPLE X-RAY SOURCES**
[54] **SYSTEMES ET PROCEDES POUR ELIMINER DES SIGNAUX DE DIAPHONIE DANS DES SYSTEMES DE BALAYAGE AYANT DE MULTIPLES SOURCES DE RAYONS X**
[72] CARRINGTON, NEIL DUNCAN, GB
[71] RAPISCAN SYSTEMS, INC., US
[85] 2023-08-04
[86] 2022-02-23 (PCT/US2022/070799)
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[30] US (63/152,721) 2021-02-23

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[51] **Int.Cl. B01J 23/62 (2006.01) B01J 23/835 (2006.01) B01J 29/44 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) C07C 5/333 (2006.01)**
[25] EN
[54] **ALKANE DEHYDROGENATION NANOCATALYST AND PROCESS FOR ITS PREPARATION**
[54] **NANOCATALYSEUR DE DESHYDROGENATION D'ALCANES ET SON PROCEDE DE PREPARATION**
[72] GIL JIMENEZ, LAIA, ES
[72] VICENTE VALVERDE, ISABEL, ES
[72] GUAL GOZALBO, AITOR, ES
[72] GODARD, CYRIL, ES
[72] CLAVER CABRERO, CARMEN, ES
[71] FUNDACIO EURECAT, ES
[85] 2023-08-04
[86] 2022-02-23 (PCT/EP2022/054574)
[87] (WO2022/180125)
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[25] EN
[54] **SYSTEMS AND METHODS FOR ARTIFICIAL INTELLIGENCE POWERED MOLECULAR WORKFLOW VERIFYING SLIDE AND BLOCK QUALITY FOR TESTING**
[54] **SYSTEMES ET PROCEDES DE VERIFICATION DE QUALITE DE LAME ET DE BLOC POUR TESTS DE PROCESSUS MOLECULAIRE COMMANDES PAR INTELLIGENCE ARTIFICIELLE**
[72] RACITI, PATRICIA, US
[72] KANAN, CHRISTOPHER, US
[72] BOZKURT, ALICAN, US
[72] DOGDAS, BELMA, US
[71] PAIGE .AI, INC., US
[85] 2023-08-04
[86] 2021-12-07 (PCT/US2021/062092)
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[30] US (63/158,781) 2021-03-09

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[51] **Int.Cl. G06F 16/29 (2019.01)**
[25] EN
[54] **MODELING ANALYSIS METHOD FOR DEVICE MANAGEMENT NETWORK, AND NETWORK MODEL UPDATING METHOD**
[54] **PROCEDE D'ANALYSE DE MODELISATION POUR RESEAU DE GESTION DE DISPOSITIF, ET PROCEDE DE MISE A JOUR DE MODELE DE RESEAU**
[72] CHEN, LONGYU, CN
[71] CHEN, LONGYU, CN
[85] 2023-08-04
[86] 2022-01-14 (PCT/CN2022/071952)
[87] (WO2022/166562)
[30] CN (202110174547.3) 2021-02-08

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[51] **Int.Cl. C07C 323/09 (2006.01) A01N 31/16 (2006.01)**
[25] EN
[54] **BIPHENYL COMPOUNDS CONTAINING SUBSTITUTED SULFIDE (SULFOXIDE) GROUPS AND USES THEREOF**
[54] **COMPOSE DE BIPHENYLE CONTENANT UNE SUBSTITUTION DE SULFURE (SULFOXYDE) ET SON UTILISATION**
[72] ZHANG, LIXIN, CN
[72] ZHANG, JING, CN
[72] GAO, YIXING, CN
[72] KANG, ZHUO, CN
[71] SHENYANG UNIVERSITY OF CHEMICAL TECHNOLOGY, CN
[71] METISA BIOTECHNOLOGY CO., LTD, CN
[85] 2023-08-04
[86] 2022-01-27 (PCT/CN2022/074223)
[87] (WO2022/166737)
[30] CN (202110157762.2) 2021-02-05

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[51] **Int.Cl. F16L 21/06 (2006.01)**
[25] EN
[54] **QUICKLY INSTALLABLE CONNECTOR**
[54] **CONNECTEUR A INSTALLATION RAPIDE**
[72] LU, ZHIGANG, CN
[72] ZHAI, ZHIBING, CN
[72] WU, JUN, CN
[71] SHANGHAI VISION MECHANICAL JOINT CO., LTD, CN
[85] 2023-08-04
[86] 2022-01-27 (PCT/CN2022/074177)
[87] (WO2022/166732)
[30] CN (202110167603.0) 2021-02-07

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[13] A1
[25] EN
[54] **SYSTEM FOR RECOVERY OF HYDROCARBON-CONTAINING FLUID FROM A HYDROCARBON-BEARING FORMATION**
[54] **COMPLEXE POUR EXTRAIRE UN FLUIDE CONTENANT DES HYDROCARBURES DEPUIS DES GISEMENTS D'HYDROCARBURES**
[72] ZAPADINSKI, ALEXEI LEONIDOVICH, RU
[71] ZAPADINSKI, ALEXEI LEONIDOVICH, RU
[85] 2023-08-04
[86] 2022-02-04 (PCT/RU2022/000030)
[87] (WO2022/169385)
[30] RU (2021102904) 2021-02-08

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[51] **Int.Cl. C07D 471/04 (2006.01) A61P 35/02 (2006.01) C07D 453/02 (2006.01)**
[25] EN
[54] **PYRIDOPYRIMIDINONE DERIVATIVE, PREPARATION METHOD THEREFOR, AND USE THEREOF**
[54] **DERIVE DE PYRIDOPYRIMIDINONE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, XUEJUN, CN
[72] CHANG, SHAOHUA, CN
[72] LI, XUEQIANG, CN
[72] YE, DABING, CN
[72] WANG, HONGQIANG, CN
[72] SUN, HONGNA, CN
[72] YANG, JUN, CN
[72] LI, LI'E, CN
[71] WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, CN
[85] 2023-08-04
[86] 2022-02-08 (PCT/CN2022/075428)
[87] (WO2022/166974)
[30] CN (202110172372.2) 2021-02-08
[30] CN (202111315868.7) 2021-11-08

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING BIOLOGICALLY CONTAMINATED WATER STREAMS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE COURANT D'EAU BIOLOGIQUEMENT CONTAMINES**
[72] SCHLEIFFARTH, JAMES W., US
[72] EDLING, LANCE, US
[72] SANDERSON, LARRY, US
[71] SCHLEIFFARTH, JAMES W., US
[71] EDLING, LANCE, US
[71] SANDERSON, LARRY, US
[85] 2023-08-04
[86] 2022-02-04 (PCT/US2022/015382)
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[51] **Int.Cl. B01F 25/422 (2022.01) B01F 25/421 (2022.01) B01F 25/432 (2022.01) B01F 25/452 (2022.01) B01F 35/00 (2022.01)**
[25] FR
[54] **STATIC MIXER RESISTANT TO HEAT, CORROSION AND DISINTEGRATION**
[54] **MELANGEUR STATIQUE RESISTANT A LA CHALEUR, LA CORROSION ET LA DISSOLUTION**
[72] DARRINGTON, MATTHIAS, FR
[71] AFFIVAL, FR
[85] 2023-08-04
[86] 2022-02-23 (PCT/EP2022/054543)
[87] (WO2022/180106)
[30] FR (FR2101787) 2021-02-24

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[13] A1
[51] **Int.Cl. H04B 7/0413 (2017.01)**
[25] EN
[54] **ARRAY ANTENNA AND SYSTEM AND METHOD FOR ELEMENT CONFIGURATION IN ARRAY ANTENNA**
[54] **ANTENNE RESEAU ET SYSTEME ET PROCEDE DE CONFIGURATION D'ELEMENTS DANS UNE ANTENNE RESEAU**
[72] HENRY, SAMER FOUAD ZACHARI, CA
[72] ALSOHAILY, AHMED, SA
[71] HENRY, SAMER FOUAD ZACHARI, CA
[71] ALSOHAILY, AHMED, SA
[85] 2023-08-04
[86] 2022-02-04 (PCT/CA2022/050164)
[87] (WO2022/165601)
[30] US (63/199,971) 2021-02-05

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[13] A1
[51] **Int.Cl. G06N 3/08 (2023.01) G06V 10/82 (2022.01) G06V 20/56 (2022.01) G06N 3/04 (2023.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR PERFORMING OBJECT RECOGNITION IN DATA ACQUIRED BY ULTRAWIDE FIELD OF VIEW SENSORS**
[54] **PROCEDE ET SYSTEME POUR EFFECTUER UNE RECONNAISSANCE D'OBJETS DANS DES DONNEES ACQUISES PAR DES CAPTEURS A CHAMP DE VISION ULTRALARGE**
[72] AHMAD, OLA, CA
[72] LECUE, FREDDY, CA
[71] THALES CANADA INC., CA
[85] 2023-08-04
[86] 2022-02-11 (PCT/IB2022/051254)
[87] (WO2022/180479)
[30] US (63/153,114) 2021-02-24

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[25] EN
[54] **PORTABLE CONTINUOUS RENAL REPLACEMENT THERAPY SYSTEM AND METHODS**
[54] **SYSTEME ET METHODES DE THERAPIE DE REMPLACEMENT RENAL CONTINU PORTABLE**
[72] GURA, VICTOR, US
[71] GURA, VICTOR, US
[85] 2023-08-04
[86] 2022-02-04 (PCT/US2022/070529)
[87] (WO2022/170348)
[30] US (63/145,695) 2021-02-04

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[13] A1
[51] **Int.Cl. C07K 14/015 (2006.01) C12N 15/35 (2006.01)**
[25] EN
[54] **RNA ADENO-ASSOCIATED VIRUS (RAAV) VECTOR AND USES THEREOF**
[54] **VECTEUR DE VIRUS ADENO-ASSOCIE (VAAR) D'ARN ET UTILISATIONS CORRESPONDANTES**
[72] SHI, LINYU, CN
[72] BAI, WEIYA, CN
[71] HUIDAGENE THERAPEUTICS (SINGAPORE) PTE. LTD., CN
[85] 2023-08-04
[86] 2022-02-07 (PCT/CN2022/075366)
[87] (WO2022/166954)
[30] CN (PCT/CN2021/075874) 2021-02-07

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[51] **Int.Cl. F16H 3/091 (2006.01) F16H 3/093 (2006.01) F16H 45/02 (2006.01) F16H 47/06 (2006.01)**
[25] EN
[54] **MULTI-SPEED TURBINE REDUCTION GEARBOX SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE BOITE DE REDUCTION DE TURBINE A PLUSIEURS VITESSES**
[72] CROWE, DAVID KEITH, US
[72] CROM, ELDEN, US
[71] SIGNAL POWER GROUP OPERATING LLC, US
[85] 2023-08-04
[86] 2022-02-09 (PCT/US2022/015857)
[87] (WO2022/173858)
[30] US (63/147,578) 2021-02-09

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[13] A1
[51] **Int.Cl. H02K 3/14 (2006.01)**
[25] EN
[54] **ELECTRICAL WINDING ELEMENT**
[54] **ELEMENT D'ENROULEMENT ELECTRIQUE**
[72] SIMPSON, NICK, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2023-08-04
[86] 2022-02-07 (PCT/EP2022/052910)
[87] (WO2022/171580)
[30] GB (2101766.0) 2021-02-09

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[13] A1
[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/04 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION MACHINE HAVING A DRIVE, AND BEVERAGE PREPARATION SYSTEM**
[54] **MACHINE DE PREPARATION DE BOISSON POURVUE D'UN MECANISME D'ENTRAINEMENT ET D'UN SYSTEME DE PREPARATION DE BOISSON**
[72] STOSSER, GABRIEL, CH
[71] FREEZIO AG, CH
[85] 2023-08-04
[86] 2022-03-11 (PCT/EP2022/056327)
[87] (WO2022/189622)
[30] DE (10 2021 202 399.1) 2021-03-11

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[13] A1
[25] EN
[54] **SYSTEMS, APPARATUSES, AND METHODS FOR ROBOTIC LEARNING AND EXECUTION OF SKILLS INCLUDING NAVIGATION AND MANIPULATION FUNCTIONS**
[54] **SYSTEMES, APPAREILS ET PROCEDES D'APPRENTISSAGE ET D'EXECUTION ROBOTIQUES DE COMPETENCES COMPRENANT DES FONCTIONS DE NAVIGATION ET DE MANIPULATION**
[72] THOMAZ, ANDREA LOCKERD, US
[72] CHU, VIVIAN YAW-WEN, US
[72] WORSNOP, PETER, US
[72] GUTIERREZ, REYMUNDO, US
[72] HUTSON, LAUREN, US
[72] LI, SHUAI, US
[72] NELLITHIMARU, ANJANA, US
[72] MATHIS, FRANK, US
[71] DILIGENT ROBOTICS, INC., US
[85] 2023-08-04
[86] 2022-02-08 (PCT/US2022/015710)
[87] (WO2022/170279)
[30] US (63/147,124) 2021-02-08
[30] US (63/211,999) 2021-06-17

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[13] A1
[25] EN
[54] **COMPRESSION DEVICE FOR BREAST EXAMS AND DIAGNOSTIC APPARATUS FOR BREAST EXAMS**
[54] **DISPOSITIF DE COMPRESSION POUR EXAMENS MAMMAIRES ET APPAREIL DE DIAGNOSTIC POUR EXAMENS MAMMAIRES**
[72] GENNARI, DANILO, IT
[71] SINCRONIS MEDICAL S.R.L., IT
[85] 2023-08-04
[86] 2022-02-09 (PCT/IB2022/051145)
[87] (WO2022/175785)
[30] IT (102021000003593) 2021-02-17

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[51] **Int.Cl. G01N 21/05 (2006.01)**
[25] EN
[54] **DEVICE FOR ENHANCED DETECTION OF CELLULAR RESPONSE**
[54] **DISPOSITIF POUR LA DETECTION AMELIOREE D'UNE REPONSE CELLULAIRE**
[72] HART, SEAN, US
[72] HEBERT, COLIN, US
[71] LUMACYTE, INC., US
[85] 2023-08-04
[86] 2022-02-08 (PCT/US2022/015576)
[87] (WO2022/170229)
[30] US (63/146,969) 2021-02-08

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[13] A1
[51] **Int.Cl. B62D 27/02 (2006.01) B62D 29/04 (2006.01)**
[25] EN
[54] **FLOATING SKID PLATE FOR VEHICLE**
[54] **PLAQUE DE PROTECTION FLOTTANTE POUR VEHICULE**
[72] BERARDI, NESTOR ALEXANDER, US
[71] XTRAVEL SUSPENSION, LLC, US
[85] 2023-08-05
[86] 2022-02-08 (PCT/US2022/015614)
[87] (WO2022/170242)
[30] US (63/200,002) 2021-02-08

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CYTOKINE ANCHORS FOR NKP46-BINDING NK CELL ENGAGER PROTEINS**
[54] **PROTEINES MULTI-SPECIFIQUES COMPRENANT UN SITE DE LIAISON A NKP46, UN SITE DE LIAISON A UN ANTIGENE TUMORAL FUSIONNE A UNE CYTOKINE POUR LA LIAISON A DES CELLULES NK**
[72] CORNEN, STEPHANIE, FR
[72] GAUTHIER, LAURENT, FR
[72] MOREL, YANNIS, FR
[71] INNATE PHARMA, FR
[85] 2023-08-07
[86] 2022-03-24 (PCT/EP2022/057824)
[87] (WO2022/200525)
[30] US (63/166,374) 2021-03-26

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[13] A1
[25] EN
[54] **MINI CIRCULAR RNA THERAPEUTICS AND VACCINES AND METHODS OF USE THEREOF**
[54] **THERAPIES ET VACCINS A BASE DE MINI-ARN CIRCULAIRE ET LEURS PROCEDES D'UTILISATION**
[72] ZHU, GUIZHI, US
[72] ZHANG, YU, US
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
[85] 2023-08-07
[86] 2022-02-08 (PCT/US2022/015604)
[87] (WO2022/173730)
[30] US (63/147,371) 2021-02-09
[30] US (63/186,899) 2021-05-11

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[13] A1
[51] **Int.Cl. A61K 47/66 (2017.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07K 14/16 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **ANTI-SYNUCLEINOPATHY PEPTIDE AND METHODS TO TREAT NEURODEGENERATIVE DISEASES**
[54] **PEPTIDE ANTISYNUCLEINOPATHIE ET PROCEDES DE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] WANG, YU TIAN, CA
[72] JIN, JACK, CA
[72] FAN, XUELAI, CA
[71] UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2023-08-07
[86] 2022-02-08 (PCT/CA2022/050175)
[87] (WO2022/165608)
[30] US (63/147,078) 2021-02-08

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[13] A1
[51] **Int.Cl. B65C 9/18 (2006.01)**
[25] EN
[54] **LABELING MACHINE**
[54] **MACHINE D'ETIQUETAGE**
[72] BARDINI, RICCARDO, IT
[71] P.E. LABELLERS S.P.A., IT
[85] 2023-08-07
[86] 2021-09-16 (PCT/EP2021/075455)
[87] (WO2022/184289)
[30] IT (102021000004805) 2021-03-02

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[13] A1
[51] **Int.Cl. G06T 7/20 (2017.01)**
[25] EN
[54] **MOTION-COMPENSATED WAVELET ANGIOGRAPHY**
[54] **ANGIOGRAPHIE EN ONDELETTES A COMPENSATION DE MOUVEMENT**
[72] ANDRADE-LOARCA, HECTOR, DE
[72] BUTLER, WILLIAM E., US
[71] ANGIOWAVE IMAGING, LLC, US
[71] BUTLER, WILLIAM E., US
[85] 2023-08-07
[86] 2022-03-28 (PCT/US2022/022152)
[87] (WO2022/240489)
[30] US (17/318,313) 2021-05-12

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[13] A1
[25] EN
[54] **SERIES STATIC SPARK GAP FOR EMP PROTECTION**
[54] **ECLATEUR STATIQUE EN SERIE DESTINE A UNE PROTECTION CONTRE LES IMPULSIONS ELECTROMAGNETIQUES**
[72] CAPPELLETTI, JOHN, US
[72] CAMPE, GEDIMINAS, US
[72] BIRNBACH, CURTIS, US
[71] ADVANCED FUSION SYSTEMS LLC, US
[85] 2023-08-07
[86] 2022-03-03 (PCT/US2022/018670)
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[30] US (17/193,643) 2021-03-05

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[13] A1
[51] **Int.Cl. B62M 3/08 (2006.01)**
[25] EN
[54] **AUTOMATIC PEDAL FOR CYCLE**
[54] **PEDALE AUTOMATIQUE POUR CYCLE**
[72] NOBILE, PASCAL, FR
[71] PEDALISSIME 2020, FR
[85] 2023-08-07
[86] 2022-02-08 (PCT/EP2022/052934)
[87] (WO2022/171587)
[30] FR (FR2101288) 2021-02-10

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[13] A1
[51] **Int.Cl. B44C 5/04 (2006.01)**
[25] EN
[54] **METHODS FOR MANUFACTURING LAMINATE, IMPREGNATED DECORATIVE PAPER AND LAMINATE OBTAINED THEREBY**
[54] **PROCEDES DE FABRICATION D?UN STRATIFIE, PAPIER DECOR IMPREGNE ET STRATIFIE OBTENU PAR CE PROCEDE**
[72] THIERS, BERNARD, BE
[72] HOFLACK, VERONIQUE, BE
[72] VAN DE POPULIERE, CAROLINE, BE
[72] CLEMENT, BENJAMIN, BE
[72] SCHACHT, BENNY, BE
[72] VANDEVOORDE, CHRISTOF, BE
[71] FLOORING INDUSTRES LIMITED, SARL, LU
[85] 2023-08-07
[86] 2022-03-07 (PCT/IB2022/051979)
[87] (WO2022/200890)
[30] BE (2021/5212) 2021-03-22

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/475 (2006.01) A61K 31/704 (2006.01) A61K 47/26 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PENETRATING BLOOD-BRAIN BARRIER, CONTAINING SONOSENSITIVE LIPOSOMES AS ACTIVE INGREDIENTS**
[54] **COMPOSITION POUR PENETRER LA BARRIERE HEMATO-ENCEPHALIQUE, CONTENANT DES LIPOSOMES SONOSENSIBLES EN TANT QUE SUBSTANCES ACTIVES**
[72] MOON, HYUNGWON, KR
[72] KIM, YOONSEOK, KR
[72] JUNG, EUN AH, KR
[72] KIM, HYUN RYOUNG, KR
[71] IMGT CO, LTD., KR
[85] 2023-08-07
[86] 2022-02-07 (PCT/KR2022/001847)
[87] (WO2022/169329)
[30] KR (10-2021-0017524) 2021-02-08
[30] KR (10-2022-0015104) 2022-02-04

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[13] A1
[51] **Int.Cl. F41H 1/02 (2006.01) B29C 65/62 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **SOFT BODY ARMOR ASSEMBLY**
[54] **ENSEMBLE DE BLINDAGE A CORPS SOUPLE**
[72] BECK, JASON, US
[71] TYR TACTICAL, LLC, US
[85] 2023-08-07
[86] 2022-02-11 (PCT/US2022/016238)
[87] (WO2022/177832)
[30] US (63/148,278) 2021-02-11

[21] **3,207,684**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01)**
[25] EN
[54] **SYSTEM FOR INTERNAL AUDIT AND INTERNAL CONTROL MANAGEMENT AND RELATED METHODS**
[54] **SYSTEME DE GESTION D'AUDIT INTERNE ET DE CONTROLES INTERNES ET PROCEDES ASSOCIES**
[72] PANIGRAHI, ASHOK, US
[72] YERUVA, SOLOMON REDDY, IN
[72] SHAIK, ABDUL KHADEER PASHA, IN
[72] ROSHAN, NAKKA RAJESH, IN
[72] ERRA, SANTOSH RAGHAVA CHAKRAVARTY, IN
[72] PRUDHVINADH, MADASU, IN
[72] VISHAL, THIRUMALA REDDY, IN
[72] BATHULA, NARESH, IN
[72] PRADEEP, CHALLA, IN
[72] REDDY, G. GOUTHAM, IN
[72] MADASU, PRUDHVI, IN
[71] INTONE NETWORKS INDIA PVT. LTD., IN
[85] 2023-08-07
[86] 2022-02-22 (PCT/IB2022/000082)
[87] (WO2022/175751)
[30] US (17/181,992) 2021-02-22

[21] **3,207,685**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TEXT PROCESSING FOR SUMMARIZATION AND OPTIMIZATION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE TEXTE DESTINES A LA RECAPITULATION ET A L'OPTIMISATION**
[72] OBEROI, PRIYANKA, US
[72] WOJCIK, SEAN P., US
[72] BOLKS, GRISM L., US
[72] AKINSIPE, TEMITOPE, US
[72] BABER, KAYA MANA, US
[72] KANNAN, POORNIMA DEVI, US
[72] BISBY, NICHOLAS, US
[72] DE WOLFE, CHARLOTTE, US
[72] SALINAS-ORTIZ, ROILAN, US
[71] AXIOS MEDIA INC., US
[85] 2023-08-07
[86] 2022-01-11 (PCT/US2022/011951)
[87] (WO2022/169560)
[30] US (17/169,774) 2021-02-08

[21] **3,207,687**
[13] A1
[51] **Int.Cl. G01N 3/46 (2006.01)**
[25] EN
[54] **TESTING DEVICE AND METHOD FOR TESTING A SURFACE OF A SPECIMEN**
[54] **DISPOSITIF DE TEST ET PROCEDE DE TEST D'UNE SURFACE D'UN OBJET A TESTER**
[72] WEINHOLD, WOLFGANG P., DE
[71] INNOWEP GMBH, DE
[85] 2023-08-07
[86] 2022-02-03 (PCT/DE2022/100095)
[87] (WO2022/171248)
[30] DE (10 2021 103 160.5) 2021-02-10

[21] **3,207,689**
[13] A1
[51] **Int.Cl. F42B 5/067 (2006.01)**
[25] EN
[54] **CARTRIDGE, METHOD FOR PRODUCING A CARTRIDGE, AND SYSTEM FOR PRODUCING CARTRIDGES**
[54] **CARTOUCHE, PROCEDE DE PRODUCTION D'UNE CARTOUCHE ET SYSTEME DE PRODUCTION DE CARTOUCHES**
[72] BUCHER, MARKUS, CH
[72] MUSTER, MICHAEL, CH
[72] JAUZION-GRAVEROLLE, FRANCK, CH
[71] RUAG AMMOTEC AG, CH
[85] 2023-08-07
[86] 2022-01-20 (PCT/EP2022/051247)
[87] (WO2022/171414)
[30] DE (10 2021 103 150.8) 2021-02-10

[21] **3,207,690**
[13] A1
[25] EN
[54] **COMPOUNDS FOR INHIBITING THE INTERACTION OF SARS-COV2 WITH HUMAN PROTEIN ACE2**
[54] **COMPOSES POUR INHIBER L'INTERACTION DU SARS-COV-2 AVEC UNE PROTEINE HUMAINE ACE2**
[72] CIANA, PAOLO, IT
[72] BRUNIALTI, ELECTRA, IT
[72] VILLA, ALESSANDRO MARIA GIOVANNI, IT
[72] REGGIANI, ANGELO, IT
[72] LIONETTI, VINCENZO, IT
[71] UNIVERSITA' DEGLI STUDI DI MILANO, IT
[71] FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA, IT
[71] SCUOLA SUPERIORE DI STUDI UNIVERSITARI E PERFEZIONAMENTO SANT'ANNA, IT
[85] 2023-08-07
[86] 2022-02-22 (PCT/IB2022/051541)
[87] (WO2022/175921)
[30] IT (102021000004007) 2021-02-22

[21] **3,207,691**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING THE PRESENCE OF AN ANALYTE, SUCH AS SARS-COV-2, IN A SAMPLE**
[54] **SYSTEMES ET PROCEDES POUR DETECTER LA PRESENCE D'UN ANALYTE, TEL QUE LE SARS-COV-2, DANS UN ECHANTILLON**
[72] ATKINSON, ROBERT G., US
[71] ADL DIAGNOSTICS, INC., US
[85] 2023-08-07
[86] 2022-02-07 (PCT/US2022/015512)
[87] (WO2022/170202)
[30] US (63/146,259) 2021-02-05

[21] **3,207,692**
[13] A1
[51] **Int.Cl. B65D 5/08 (2006.01) B65D 17/32 (2006.01)**
[25] EN
[54] **BOX WITH DISPENSING FLAP**
[54] **BOITE AVEC RABAT DE DISTRIBUTION**
[72] STRASSER, GREGORY J., US
[71] U.S. COTTON, LLC, US
[85] 2023-08-07
[86] 2022-04-04 (PCT/US2022/023240)
[87] (WO2022/216575)
[30] US (63/170,816) 2021-04-05

[21] **3,207,696**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **FLUORESCENCE-BASED DETECTION OF PROBLEMATIC CELLULAR ENTITIES**
[54] **DETECTION A BASE DE FLUORESCENCE D'ENTITES CELLULAIRES PROBLEMATIQUES**
[72] PESALA, BALA, IN
[72] RADHAKRISHNAN, GEETHANJALI, IN
[72] KUMAR SHA, BIKKI, IN
[72] KING, JOHN, IN
[71] ADIUVO DIAGNOSTICS PRIVATE LIMITED, IN
[85] 2023-08-08
[86] 2022-02-08 (PCT/IN2022/050107)
[87] (WO2022/172290)
[30] IN (202141005558) 2021-02-09

[21] **3,207,703**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-S100A4 HUMANIZED ANTIBODIES, USES AND METHODS**
[54] **ANTICORPS HUMANISES ANTI-S100A4, UTILISATIONS ET PROCEDES**
[72] HALLEN, JONAS, NO
[72] HUSSAIN, RIZWAN IQBAL, NO
[72] KLINGELHOFER, JORG, NO
[72] BUSS, TIM, US
[72] MACCANN, DARRAGH, GB
[71] ARXX THERAPEUTICS AS, NO
[85] 2023-08-08
[86] 2022-02-09 (PCT/EP2022/053095)
[87] (WO2022/171656)
[30] US (63/147,483) 2021-02-09

[21] **3,207,705**
[13] A1
[51] **Int.Cl. G06V 10/25 (2022.01) G06V 10/42 (2022.01) G06V 10/44 (2022.01) G06V 10/56 (2022.01) G06V 40/16 (2022.01) G06V 40/40 (2022.01)**
[25] FR
[54] **DEVICE AND METHOD FOR PROCESSING VIDEO DATA TO DETECT LIFE**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT DE DONNEES VIDEOS POUR DETECTION DU VIVANT**
[72] BOUBA, DAVID, FR
[72] MGHABBAR, IDRISS, FR
[72] ROBLIN, OLIVIER, FR
[71] UNISSEY, FR
[85] 2023-08-08
[86] 2022-02-15 (PCT/FR2022/050271)
[87] (WO2022/171970)
[30] FR (FR2101447) 2021-02-15

[21] **3,207,706**
[13] A1
[51] **Int.Cl. G10L 15/04 (2013.01) G10L 21/0364 (2013.01) G10L 25/18 (2013.01) G10L 15/06 (2013.01) G10L 15/16 (2006.01) G10L 15/22 (2006.01)**
[25] EN
[54] **MACHINE-LEARNING-BASED SPEECH PRODUCTION CORRECTION**
[54] **CORRECTION DE LA PRODUCTION DE PAROLE BASEE SUR L'APPRENTISSAGE MACHINE**
[72] KESHET, JOSEPH, IL
[72] BEN-SIMON, TALIA, IL
[72] KREUK, FELIX, IL
[72] COHEN, JACOB T., IL
[72] AWWAD, FATEN, IL
[71] RAMBAM MED-TECH LTD., IL
[71] BAR ILAN UNIVERSITY, IL
[85] 2023-08-08
[86] 2022-02-08 (PCT/IL2022/050158)
[87] (WO2022/168102)
[30] US (63/146,782) 2021-02-08

[21] **3,207,712**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2023.01)**
[25] EN
[54] **METHOD OF GUIDING A PERSON TO PRODUCTS**
[54] **PROCEDE DE GUIDAGE D'UNE PERSONNE VERS DES PRODUITS**
[72] FILALI ANSARY, TARIK, AT
[72] ROSSL, ANDREAS, AT
[72] BOTTINE, PHILIPPE, AT
[72] GENDRIN, FRANCOIS XAVIER, AT
[71] SES-IMAGOTAG GMBH, AT
[85] 2023-08-08
[86] 2021-07-02 (PCT/EP2021/068332)
[87] (WO2023/274554)

[21] **3,207,715**
[13] A1
[25] EN
[54] **METHODS FOR CHEMICAL PROCESS HEATING WITH CARBON CAPTURE**
[54] **PROCEDES DE CHAUFFE DE TRAITEMENT CHIMIQUE AVEC CAPTURE DE CARBONE**
[72] FAN, LIANG-SHIH, US
[72] XU, DIKAI, US
[72] WANG, DAWEI, US
[72] ZHANG, QIAOCHU, US
[72] TONG, ANDREW, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2023-08-08
[86] 2022-02-08 (PCT/US2022/015624)
[87] (WO2022/170248)
[30] US (63/147,100) 2021-02-08

[21] **3,207,719**
[13] A1
[51] **Int.Cl. A61K 35/744 (2015.01) A23K 10/16 (2016.01) A23L 33/135 (2016.01) A61P 1/16 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING FIBROSIS COMPRISI NG LEUCONOSTOC CITREUM STRAIN AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION OU LE TRAITEMENT DE LA FIBROSE COMPRENANT UNE SOUCHE DE LEUCONOSTOC CITREUM EN TANT QUE PRINCIPE ACTIF**
[72] CHIN, HWA SUP, KR
[71] LISCURE BIOSCIENCES CO., LTD., KR
[85] 2023-08-08
[86] 2022-02-07 (PCT/KR2022/001869)
[87] (WO2022/169336)
[30] KR (10-2021-0017794) 2021-02-08
[30] KR (10-2022-0014809) 2022-02-04

[21] **3,207,724**
[13] A1
[51] **Int.Cl. A61P 13/12 (2006.01)**
[25] EN
[54] **DANEGAPTIDE FOR USE IN THE TREATMENT OR PREVENTION OF A KIDNEY DISEASE**
[54] **DANEGAPTIDE DESTINE A ETRE UTILISE DANS LE TRAITEMENT OU LA PREVENTION D'UNE MALADIE RENALE**
[72] SQUIRES, PAUL, GB
[72] HILLS, CLAIRE, GB
[72] MOURITZEN, ULRIK, DK
[71] BREYE THERAPEUTICS APS, DE
[85] 2023-08-08
[86] 2022-02-03 (PCT/EP2022/052649)
[87] (WO2022/171525)
[30] EP (21156236.8) 2021-02-10

[21] **3,207,729**
[13] A1
[51] **Int.Cl. G02B 6/04 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **ANNEALED SUBUNITS IN BUNDLED DROP ASSEMBLY AND PROCESS OF ANNEALING SUBUNITS IN BUNDLED DROP ASSEMBLY**
[54] **SOUS-UNITES RECUITES DANS UN ENSEMBLE GOUTTES GROUPEES ET PROCEDE DE RECUIT DE SOUS-UNITES DANS UN ENSEMBLE GOUTTES GROUPEES**
[72] KEISLER, COREY SCOTT, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2023-08-08
[86] 2022-01-27 (PCT/US2022/013962)
[87] (WO2022/169654)
[30] US (63/146,783) 2021-02-08

[21] **3,207,735**
[13] A1
[51] **Int.Cl. B01J 20/24 (2006.01) C01F 7/14 (2022.01)**
[25] FR
[54] **PRODUCT COMPRISING A LITHIUM ADSORBENT**
[54] **PRODUIT COMPRENANT UN ADSORBANT DU LITHIUM**
[72] NGUYEN VAN NUOI, PATRICK, FR
[71] SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN, FR
[85] 2023-08-08
[86] 2022-03-07 (PCT/FR2022/050403)
[87] (WO2022/189743)
[30] FR (2102483) 2021-03-12

[21] **3,207,736**
[13] A1
[51] **Int.Cl. A61K 35/744 (2015.01) A23K 10/16 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING INTESTINAL DAMAGE COMPRISING LEUCONOSTOC CITREUM STRAIN AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UNE SOUCHE DE LEUCONOSTOC CITREUM UTILISEE EN TANT QUE PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE LESIONS INTESTINALES**
[72] CHIN, HWA SUP, KR
[71] LISCURE BIOSCIENCES CO., LTD., KR
[85] 2023-08-08
[86] 2022-02-07 (PCT/KR2022/001870)
[87] (WO2022/169337)
[30] KR (10-2021-0017813) 2021-02-08
[30] KR (10-2022-0014825) 2022-02-04

[21] **3,207,737**
[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/37 (2016.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A LIMITED TELEOPERATION, OVER A SUBSET OF DEGREES OF FREEDOM, OF A MASTER-SLAVE ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION AND RELATED ROBOTIC SYSTEM**
[54] **METHODE DE CONTROLE D'UNE TELEOPERATION LIMITEE, SUR UN SOUS-ENSEMBLE DE DEGRES DE LIBERTE, D'UN SYSTEME ROBOTIQUE MAITRE-ESCLAVE POUR TELEOPERATION MEDICALE OU CHIRURGICALE ET SYSTEME ROBOTIQUE ASSOCI**
[72] TANZINI, MATTEO, IT
[72] RUFFALDI, EMANUELE, IT
[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-14 (PCT/IB2022/051279)
[87] (WO2022/175798)
[30] IT (102021000003431) 2021-02-16

[21] **3,207,738**
[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01)**
[25] EN
[54] **FORMULATION AND DEVICE FOR COSMETIC TREATMENT OF ONYCHOMYCOSIS**
[54] **FORMULATION ET DISPOSITIF POUR LE TRAITEMENT COSMETIQUE DE L'ONYCHOMYCOSE**
[72] FARMER, EDMUND, US
[72] NELSON, BRUCE, US
[71] SCHOLL'S WELLNESS COMPANY LLC, US
[85] 2023-08-08
[86] 2022-01-25 (PCT/US2022/013603)
[87] (WO2022/173583)
[30] US (63/147,734) 2021-02-09
[30] US (17/581,999) 2022-01-24

[21] **3,207,740**
[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/20 (2016.01) A61B 34/35 (2016.01) A61B 34/37 (2016.01)**
[25] EN
[54] **METHOD FOR DETECTING, BASED ON THE MEASUREMENT OR DETECTION OF ACCELERATIONS, OPERATING ANOMALIES OF AN UNCONSTRAINED MASTER DEVICE OF A MASTER-SLAVE ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION AND RELATED ROBOTIC SYSTEM**
[54] **PROCEDE DE DETECTION, SUR LA BASE DE LA MESURE OU DE LA DETECTION D'ACCELERATIONS, D'ANOMALIES DE FONCTIONNEMENT D'UN DISPOSITIF MAITRE NON CONTRAINT D'UN SYSTEME ROBOTISE MAITRE-ESCLAVE POUR TELEOPERATION MEDICALE OU CHIRURGICALE ET SYSTEME ROBOTISE ASSOCIATION**
[72] RUFFALDI, EMANUELE, IT
[72] SIMI, MASSIMILIANO, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-14 (PCT/IB2022/051293)
[87] (WO2022/175802)
[30] IT (102021000003416) 2021-02-16

[21] **3,207,742**
[13] A1
[51] **Int.Cl. C04B 16/08 (2006.01) C04B 28/04 (2006.01)**
[25] EN
[54] **FILLING MATERIAL**
[54] **MATERIAU DE REMPLISSAGE**
[72] DOBERL, EGON, AT
[71] DOBERL, EGON, AT
[85] 2023-08-08
[86] 2022-02-09 (PCT/AT2022/060039)
[87] (WO2022/170376)
[30] AT (A 50084/2021) 2021-02-10

[21] **3,207,743**
[13] A1
[51] **Int.Cl. B29C 44/18 (2006.01) A63B 71/10 (2006.01)**
[25] EN
[54] **A NOVEL FOAM ARTICLE**
[54] **NOUVEL ARTICLE EN MOUSSE**
[72] ABRAM, DANIEL, CA
[71] ABRAM, DANIEL, CA
[85] 2023-08-08
[86] 2022-02-15 (PCT/IB2022/051345)
[87] (WO2022/172257)
[30] US (63/149,634) 2021-02-15

[21] **3,207,744**
[13] A1
[51] **Int.Cl. H01M 8/04119 (2016.01)**
[25] EN
[54] **MEMBRANE HUMIDIFIER FOR FUEL CELL**
[54] **HUMIDIFICATEUR MEMBRANAIRE POUR PILE A COMBUSTIBLE**
[72] HER, JUNG KUN, KR
[72] KIM, DO WOO, KR
[72] AN, WOONG JEON, KR
[72] KIM, KYOUNG JU, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2023-08-08
[86] 2022-03-03 (PCT/KR2022/002975)
[87] (WO2022/191498)
[30] KR (10-2021-0032468) 2021-03-12

[21] **3,207,745**
[13] A1
[51] **Int.Cl. H04L 67/12 (2022.01)**
[25] EN
[54] **CONNECTING A MACHINE**
[54] **CONNEXION D'UNE MACHINE**
[72] BRUYNS, GERRY, BE
[71] TALENCO B.V., BE
[85] 2023-08-08
[86] 2022-02-07 (PCT/IB2022/051039)
[87] (WO2022/168016)
[30] BE (2021/5097) 2021-02-08

[21] **3,207,746**
[13] A1
[51] **Int.Cl. A61B 34/37 (2016.01) A61B 34/35 (2016.01)**
[25] EN
[54] **METHOD FOR INITIATING A TELEOPERATION CARRIED OUT BY A ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION, HAVING A MECHANICALLY UNCONSTRAINED MASTER DEVICE BEING MOVABLE BY AN OPERATOR AND RELATED ROBOTIC SYSTEM**
[54] **PROCEDE D'INITIATION D'UNE TELEOPERATION EFFECTUEE PAR UN SYSTEME ROBOTIQUE POUR TELEOPERATION MEDICALE OU CHIRURGICALE, COMPRENANT UN DISPOSITIF MAITRE MECANIQUEMENT NON CONTRAINT POUVANT ETRE DEPLACE PAR UN OPERATEUR, ET SYSTEME ROBOTIQUE ASSOCIATION**
[72] TANZINI, MATTEO, IT
[72] DI GUARDO, ANTONIO, IT
[72] RUFFALDI, EMANUELE, IT
[72] SIMI, MASSIMILIANO, IT
[72] PROCTOR, MICHAEL JOHN, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-11 (PCT/IB2022/051226)
[87] (WO2022/175792)
[30] IT (102021000003419) 2021-02-16

[21] **3,207,748**
[13] A1
[51] **Int.Cl. H01M 8/04119 (2016.01)**
[25] EN
[54] **FUEL CELL MEMBRANE HUMIDIFIER**
[54] **HUMIDIFICATEUR A MEMBRANE DE PILE A COMBUSTIBLE**
[72] HER, JUNG KUN, KR
[72] KIM, DO WOO, KR
[72] AN, WOONG JEON, KR
[72] KIM, KYOUNG JU, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2023-08-08
[86] 2022-03-08 (PCT/KR2022/003304)
[87] (WO2022/191604)
[30] KR (10-2021-0032467) 2021-03-12

[21] **3,207,749**
[13] A1
[51] **Int.Cl. H01M 8/04119 (2016.01)**
[25] EN
[54] **FUEL CELL MEMBRANE HUMIDIFIER**
[54] **HUMIDIFICATEUR A MEMBRANE DE PILE A COMBUSTIBLE**
[72] HER, JUNG KUN, KR
[72] KIM, DO WOO, KR
[72] AN, WOONG JEON, KR
[72] KIM, KYOUNG JU, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2023-08-08
[86] 2022-03-07 (PCT/KR2022/003222)
[87] (WO2022/191556)
[30] KR (10-2021-0032466) 2021-03-12

[21] **3,207,752**
[13] A1
[25] EN
[54] **PROCESS FOR PREPARING NANOFORMULATION FOR DELIVERY OF BERBAMINE**
[54] **PROCEDE DE PREPARATION DE NANOFORMULATION POUR ADMINISTRATION DE BERBAMINE**
[72] VASISHT, KARAN, IN
[72] KARAN, MANINDER, IN
[72] SHARMA, NEETIKA, IN
[72] KAUR, INDU PAL, IN
[72] GAUTAM, VIKAS, IN
[72] SANDHU, SIMARJOT KAUR, IN
[71] PANJAB UNIVERSITY, CHANDIGARH, IN
[85] 2023-08-08
[86] 2022-02-08 (PCT/IN2022/050103)
[87] (WO2022/168123)
[30] IN (202111005302) 2021-02-08

[21] **3,207,755**
[13] A1
[51] **Int.Cl. F23R 3/14 (2006.01) F23D 14/08 (2006.01) F23R 3/36 (2006.01)**
[25] EN
[54] **HYDROGEN INJECTION FOR ENHANCED COMBUSTION STABILITY IN GAS TURBINE SYSTEMS**
[54] **INJECTION D'HYDROGENE POUR STABILITE DE COMBUSTION AMELIOREE DANS DES SYSTEMES DE TURBINE A GAZ**
[72] D'AGOSTINI, MARK DANIEL, US
[72] SANE, ANUP VASANT, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[85] 2023-08-08
[86] 2022-02-24 (PCT/US2022/017674)
[87] (WO2022/182853)
[30] US (63/153,620) 2021-02-25
[30] US (17/678,134) 2022-02-23

[21] **3,207,757**
[13] A1
[25] EN
[54] **BERBERIS EXTRACT NANO-FORMULATION AND PROCESS OF PREPARATION THEREOF**
[54] **NANO-FORMULATION D?EXTRAIT DE BERBERIS ET SON PROCEDE DE PREPARATION**
[72] KARAN, MANINDER, IN
[72] VASISHT, KARAN, IN
[72] SHARMA, NEETIKA, IN
[72] KAUR, INDU PAL, IN
[72] GAUTAM, VIKAS, IN
[72] SANDHU, SIMARJOT KAUR, IN
[72] KAUR, JASMINE, IN
[71] PANJAB UNIVERSITY, CHANDIGARH, IN
[85] 2023-08-08
[86] 2022-02-08 (PCT/IN2022/050106)
[87] (WO2022/168124)
[30] IN (202111005303) 2021-02-08

[21] **3,207,759**
[13] A1
[51] **Int.Cl. C09D 7/40 (2018.01) C08K 3/22 (2006.01) C08K 3/30 (2006.01) C08K 3/32 (2006.01)**
[25] EN
[54] **CORROSION INHIBITING COATINGS COMPRISING MAGNESIUM OXIDE AND AN ALUMINUM OR IRON COMPOUND**
[54] **REVETEMENTS INHIBITEURS DE CORROSION COMPRENANT DE L'OXYDE DE MAGNESIUM ET UN COMPOSE D'ALUMINIUM OU DE FER**
[72] MAYO, MICHAEL ALLEN, US
[72] FERLIC, MEGAN ELIZABETH, US
[72] MARTIN, JUSTIN JONATHAN, US
[72] MORAVEK, SCOTT JOSEPH, US
[72] CASSIDY, FRANCIS PATRICK, US
[71] PRC-DE SOTO INTERNATIONAL, INC., US
[85] 2023-08-08
[86] 2022-03-02 (PCT/US2022/070911)
[87] (WO2022/187823)
[30] US (63/155,594) 2021-03-02

[21] **3,207,761**
[13] A1
[51] **Int.Cl. A61B 34/37 (2016.01) A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD FOR VERIFYING THE INTEGRITY OF A MASTER DEVICE OF A MASTER-SLAVE ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION AND RELATED ROBOTIC SYSTEM**
[54] **PROCEDE DE VERIFICATION DE L'INTEGRITE D'UN DISPOSITIF MAITRE D'UN SYSTEME ROBOTIQUE MAITRE-ESCLAVE POUR TELEOPERATION MEDICALE OU CHIRURGICALE ET SYSTEME ROBOTIQUE ASSOCIE**
[72] RUFFALDI, EMANUELE, IT
[72] SIMI, MASSIMILIANO, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-14 (PCT/IB2022/051286)
[87] (WO2022/175800)
[30] IT (102021000003488) 2021-02-16

[21] **3,207,762**
[13] A1
[51] **Int.Cl. G01N 21/954 (2006.01)**
[25] EN
[54] **CENTERING AID FOR BORESCOPES**
[54] **DISPOSITIF D?AIDE AU CENTRAGE POUR BOROSCOPE**
[72] PETERS, JAN OKE, DE
[72] THIES, MICHAEL, DE
[72] TEWES, MATTHIAS, DE
[72] HOFENER, MATTHIAS, DE
[72] BECHHEIM, LUKAS, DE
[71] LUFTHANSA TECHNIK AG, DE
[85] 2023-08-08
[86] 2022-02-17 (PCT/EP2022/053929)
[87] (WO2022/175382)
[30] DE (10 2021 103 749.2) 2021-02-17

[21] **3,207,763**
[13] A1
[51] **Int.Cl. C07K 16/22 (2006.01)**
[25] EN
[54] **ANTI-VEGF ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-VEGF ET SON UTILISATION**
[72] WANG, ZONGDA, CN
[72] GU, CHUNYIN, CN
[72] CAO, XIAODAN, CN
[72] LIU, XIAOWU, CN
[72] DENG, SUJUN, CN
[72] PAN, ZHONGZONG, CN
[72] WANG, XUEPING, CN
[71] SHANGHAI JEMINCARE PHARMACEUTICAL CO., LTD., CN
[71] JIANGXI JEMINCARE GROUP CO., LTD., CN
[85] 2023-08-08
[86] 2022-02-09 (PCT/CN2022/075600)
[87] (WO2022/171109)
[30] CN (202110183560.5) 2021-02-10

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[13] A1
[51] **Int.Cl. C07D 209/32 (2006.01) A61K 31/194 (2006.01) A61K 31/4045 (2006.01) A61P 15/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07C 57/15 (2006.01)**
[25] EN
[54] **CRYSTALLINE 5-METHOXY-DIPROPYL TRYPTAMINE COMPOUNDS**
[54] **COMPOSES CRISTALLINS DE 5-METHOXY-DIPROPYL TRYPTAMINE**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[85] 2023-08-08
[86] 2022-01-25 (PCT/US2022/013622)
[87] (WO2022/173584)
[30] US (63/147,355) 2021-02-09

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[13] A1
[51] **Int.Cl. H02S 10/30 (2014.01) H02S 10/40 (2014.01) C25B 1/042 (2021.01) C25B 11/042 (2021.01) C01B 3/06 (2006.01) C25B 11/03 (2021.01) H05H 1/48 (2006.01)**
[25] EN
[54] **INFRARED LIGHT RECYCLING THERMOPHOTOVOLTAIC HYDROGEN ELECTRICAL POWER GENERATOR**
[54] **GENERATEUR D'ENERGIE ELECTRIQUE A HYDROGENE THERMOPHOTOVOLTAIQUE A RECYCLAGE DE LUMIERE INFRAROUGE**
[72] MILLS, RANDELL, US
[71] BRILLIANT LIGHT POWER, INC., US
[85] 2023-08-08
[86] 2022-03-08 (PCT/IB2022/052016)
[87] (WO2022/189947)
[30] US (63/158,349) 2021-03-08
[30] US (63/167,110) 2021-03-28
[30] US (63/176,054) 2021-04-16
[30] US (63/214,236) 2021-06-23
[30] US (63/233,199) 2021-08-13
[30] US (63/236,198) 2021-08-23
[30] US (63/246,282) 2021-09-20
[30] US (63/254,589) 2021-10-12
[30] US (63/270,537) 2021-10-21
[30] US (63/291,342) 2021-12-17
[30] US (63/298,190) 2022-01-10

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[13] A1
[51] **Int.Cl. C09D 7/61 (2018.01) C08K 3/22 (2006.01) C08K 3/30 (2006.01) C08K 3/32 (2006.01)**
[25] EN
[54] **CORROSION INHIBITING COATINGS COMPRISING ALUMINUM PARTICLES, MAGNESIUM OXIDE AND AN ALUMINUM AND/OR IRON COMPOUND**
[54] **REVETEMENTS INHIBITEURS DE CORROSION COMPRENANT DES PARTICULES D'ALUMINIUM, DE L'OXYDE DE MAGNESIUM ET UN COMPOSE D'ALUMINIUM ET/OU DE FER**
[72] GEORGIC, VICTOR FRANKLIN, US
[72] FERLIC, MEGAN ELIZABETH, US
[72] MARTIN, JUSTIN JONATHAN, US
[71] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2023-08-08
[86] 2021-12-30 (PCT/US2021/065779)
[87] (WO2022/186885)
[30] US (63/155,571) 2021-03-02

[21] **3,207,770**
[13] A1
[51] **Int.Cl. G01N 29/32 (2006.01) G01N 29/40 (2006.01) G01V 1/44 (2006.01)**
[25] EN
[54] **ACCOUSTIC ANALYSIS OF REMOTE STRUCTURES WITHIN A MEDIUM**
[54] **ANALYSE ACOUSTIQUE DE STRUCTURES DISTANTES AU SEIN D'UN MILIEU**
[72] TANNER, MARK, GB
[72] EASTON, PAUL, GB
[72] HADLEY, MAX, GB
[71] CEREUS ULTRASONICS LIMITED, GB
[85] 2023-08-08
[86] 2022-02-21 (PCT/GB2022/050474)
[87] (WO2022/175692)
[30] GB (2102492.2) 2021-02-22

[21] **3,207,771**
[13] A1
[51] **Int.Cl. A61B 34/37 (2016.01) A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD FOR DETECTING, BASED ON THE MEASUREMENT OR DETECTION OF VELOCITIES, OPERATING ANOMALIES OF AN UNCONSTRAINED MASTER DEVICE OF A MASTER-SLAVE ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION AND RELATED ROBOTIC SYSTEM**
[54] **METHODE DE DETECTION, BASEE SUR LA MESURE OU LA DETECTION DE VITESSES, D'ANOMALIES DE FONCTIONNEMENT D'UN DISPOSITIF MAITRE NON CONTRAINT D'UN SYSTEME ROBOTIQUE MAITRE-ESCLAVE POUR TELEOPERATION MEDICALE OU CHIRURGICALE ET SYSTEME ROBOTIQUE ASSOCIATION**
[72] TANZINI, MATTEO, IT
[72] RUFFALDI, EMANUELE, IT
[72] SIMI, MASSIMILIANO, IT
[72] BAGHERI GHAVIFEKR, MATTEO, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-15 (PCT/IB2022/051328)
[87] (WO2022/175810)
[30] IT (102021000003476) 2021-02-16

[21] **3,207,772**
[13] A1
[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/44 (2006.01) C22B 26/12 (2006.01)**
[25] FR
[54] **METHOD FOR DISSOLVING A POSITIVE ELECTRODE MATERIAL**
[54] **PROCEDE DE DISSOLUTION D'UN MATERIAU D'ELECTRODE POSITIVE**
[72] BILLY, EMMANUEL, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[71] ORANO, FR
[85] 2023-08-08
[86] 2022-03-28 (PCT/FR2022/050578)
[87] (WO2022/208015)
[30] FR (FR2103264) 2021-03-30

[21] **3,207,773**
[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 11/031 (2021.01) C25B 11/052 (2021.01) C25B 11/061 (2021.01) C25B 11/063 (2021.01) C25B 11/067 (2021.01) C25B 11/075 (2021.01) C25B 11/077 (2021.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF AN ELECTRODE FOR ELECTROLYTIC APPLICATIONS**
[54] **PROCEDE DE PREPARATION D'UNE ELECTRODE POUR APPLICATIONS ELECTROLYTIQUES**
[72] TUYSUZ, HARUN, DE
[72] MOON, GUN-HEE, DE
[71] STUDIENGESELLSCHAFT KOHLE GGMBH, DE
[85] 2023-08-08
[86] 2022-03-01 (PCT/EP2022/055153)
[87] (WO2022/189212)
[30] EP (21161582.8) 2021-03-09

[21] **3,207,775**
[13] A1
[51] **Int.Cl. A61P 27/02 (2006.01) A61P 27/16 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN THE TREATMENT OF SINUSITIS, PNEUMONIA OR OTITIS**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA SINUSITE, DE LA PNEUMONIE OU DE L'OTITE**
[72] LUTKEN, CHRISTIAN, NO
[72] RYVOLL, JOHNNY IVAR, NO
[72] ERLINGSSON, TORSTEINN, NO
[71] PHARMA HOLDINGS AS, NO
[85] 2023-08-08
[86] 2022-03-18 (PCT/EP2022/057213)
[87] (WO2022/200224)
[30] GB (2104348.4) 2021-03-26
[30] GB (2115327.5) 2021-10-25

[21] **3,207,776**
[13] A1
[51] **Int.Cl. B60L 50/50 (2019.01) A63B 55/60 (2015.01) B60L 53/80 (2019.01) B62B 1/04 (2006.01)**
[25] EN
[54] **ELECTRIC GOLF TROLLEY AND ELECTRIC GOLF TROLLEY BATTERY PACK**
[54] **CHARIOT DE GOLF ELECTRIQUE ET BLOC-BATTERIE DE CHARIOT DE GOLF ELECTRIQUE**
[72] STRAKER, PAUL, GB
[72] SIMPSON, CRIS, GB
[71] MOTOCADDY LIMITED, GB
[85] 2023-08-08
[86] 2022-03-03 (PCT/EP2022/055464)
[87] (WO2022/184857)
[30] GB (2103071.3) 2021-03-04
[30] GB (2118195.3) 2021-12-15

[21] **3,207,778**
[13] A1
[51] **Int.Cl. B60W 30/165 (2020.01) H04W 4/46 (2018.01) B60W 60/00 (2020.01) H04L 67/12 (2022.01)**
[25] EN
[54] **NETWORK ASSISTED PLATOONING FOR SELF DRIVING VEHICLES**
[54] **CIRCULATION EN CONVOI ASSISTEE PAR RESEAU POUR VEHICULES AUTONOMES**
[72] LEKUTAI, GAVIPHAT, US
[71] T-MOBILE USA, INC., US
[85] 2023-08-08
[86] 2022-02-23 (PCT/US2022/017456)
[87] (WO2022/187046)
[30] US (17/189,210) 2021-03-01

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[13] A1
[51] **Int.Cl. A61B 34/35 (2016.01) A61B 34/37 (2016.01) A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD FOR DETECTING OPERATING ANOMALIES OF AN UNCONSTRAINED MASTER DEVICE OF A MASTER-SLAVE ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION AND RELATED ROBOTIC SYSTEM**
[54] **PROCEDE DE DETECTION D'ANOMALIES DE FONCTIONNEMENT D'UN DISPOSITIF MAITRE SANS CONTRAINTE D'UN SYSTEME ROBOTISE MAITRE-ESCLAVE POUR TELEOPERATION MEDICALE OU CHIRURGICALE ET SYSTEME ROBOTISE ASSOCIE**
[72] SIMI, MASSIMILIANO, IT
[72] TANZINI, MATTEO, IT
[72] RUFFALDI, EMANUELE, IT
[72] BAGHERI GHAVIFEKR, MATTEO, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-15 (PCT/IB2022/051321)
[87] (WO2022/175807)
[30] IT (102021000003422) 2021-02-16

[21] **3,207,780**
[13] A1
[51] **Int.Cl. H04L 41/0806 (2022.01) H04L 41/085 (2022.01) H04L 47/50 (2022.01)**
[25] EN
[54] **DEVICES, METHODS, AND COMPUTER-READABLE MEDIA FOR DEPLOYING MODULAR NETWORK ARCHITECTURE**
[54] **DISPOSITIFS, PROCEDES ET SUPPORTS LISIBLES PAR ORDINATEUR POUR DEPLOYER UNE ARCHITECTURE DE RESEAU MODULAIRE**
[72] CHENG, IAN, CA
[72] MARTELL AYALA, CARLOS EDUARDO, CA
[72] WANG, I-CHENG, CA
[72] TAN, CHRISTOPHER ZHU, CA
[72] PELLETIER, JONATHAN, CA
[72] ZAAMOUT, SAAD, CA
[71] MASTERCARD TECHNOLOGIES CANADA ULC, CA
[85] 2023-08-08
[86] 2022-02-08 (PCT/CA2022/050174)
[87] (WO2022/170421)
[30] US (63/147,597) 2021-02-09

[21] **3,207,781**
[13] A1
[51] **Int.Cl. G16H 30/20 (2018.01) G16H 30/40 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD OF USING RIGHT AND LEFT EARDRUM OTOSCOPY IMAGES FOR AUTOMATED OTOSCOPY IMAGE ANALYSIS TO DIAGNOSE EAR PATHOLOGY**
[54] **SYSTEME ET PROCEDE D'UTILISATION D'IMAGES D'OTOSCOPIE DE TYMPAN DROIT ET GAUCHE POUR UNE ANALYSE D'IMAGE D'OTOSCOPIE AUTOMATISEE POUR DIAGNOSTIQUER UNE PATHOLOGIE DE L'OREILLE**
[72] GURCAN, METIN, US
[72] MOBERLY, AARON, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2023-08-08
[86] 2021-12-08 (PCT/US2021/062401)
[87] (WO2022/169503)
[30] US (63/146,903) 2021-02-08

[21] **3,207,782**
[13] A1
[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **CAPSULE-HOLDER DEVICE FOR BEVERAGE PREPARATION MACHINES**
[54] **DISPOSITIF PORTE-CAPSULE POUR MACHINES DE PREPARATION DE BOISSONS**
[72] COCCO, ALESSANDRO, IT
[71] LUIGI LAVAZZA S.P.A., IT
[85] 2023-08-08
[86] 2022-02-21 (PCT/IB2022/051511)
[87] (WO2022/195376)
[30] IT (102021000006398) 2021-03-17

[21] **3,207,783**
[13] A1
[51] **Int.Cl. A01N 3/02 (2006.01) A23L 3/3526 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **ADDITIVE FOR THE PRESERVATION OF CELLS, TISSUES AND/OR FOOD AND USE**
[54] **ADDITIF DE PRESERVATION DE CELLULES, DE TISSUS ET/OU D'ALIMENTS ET UTILISATION**
[72] HEIMANN, ANDREA STERMAN, BR
[71] PROTEIMAX BIO TECHNOLOGY ISRAEL LTD, IL
[85] 2023-08-08
[86] 2022-02-04 (PCT/BR2022/050037)
[87] (WO2022/165578)
[30] BR (BR 10 2021 002393 7) 2021-02-08

[21] **3,207,784**
[13] A1
[25] EN
[54] **INTRA-STIMULUS RECRUITMENT CONTROL**
[54] **COMMANDE DE RECRUTEMENT INTRA-STIMULUS**
[72] KARANTONIS, DEAN MICHAEL, AU
[72] SINGLE, PETER SCOTT VALLACK, AU
[72] WAH, JAMES HAMILTON, AU
[71] SALUDA MEDICAL PTY LTD, AU
[85] 2023-08-08
[86] 2022-02-09 (PCT/AU2022/050080)
[87] (WO2022/170388)
[30] AU (2021900311) 2021-02-09

[21] **3,207,785**
[13] A1
[51] **Int.Cl. F16L 55/115 (2006.01) E03F 5/08 (2006.01) E03F 7/02 (2006.01)**
[25] EN
[54] **CLEANOUT CONDUIT VALVE ASSEMBLIES AND INSTALLATIONS**
[54] **ENSEMBLES VANNES DE CONDUIT DE NETTOYAGE ET INSTALLATIONS**
[72] PUTNAM, DAVID A., US
[72] MOORE, STEVE E., US
[71] SEWER SENTRY LLC, US
[85] 2023-08-08
[86] 2022-02-09 (PCT/US2022/015848)
[87] (WO2022/173851)
[30] US (17/172,889) 2021-02-10

[21] **3,207,786**
[13] A1
[25] EN
[54] **CARTRIDGE FOR THE PREPARATION OF LIQUID PRODUCTS**
[54] **CARTOUCHE POUR LA PREPARATION DE PRODUITS LIQUIDES**
[72] BOLOGNESE, DANILO, IT
[72] BRANDONISIO, CHIARA, IT
[72] BARUS, SILVIA, IT
[71] LUIGI LAVAZZA S.P.A., IT
[85] 2023-08-08
[86] 2022-02-15 (PCT/IB2022/051335)
[87] (WO2022/195367)
[30] IT (102021000006086) 2021-03-15

[21] **3,207,787**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHOD FOR INHIBITING TUMOUR CELL GROWTH BASED ON CCDC112**
[54] **PROCEDE D'INHIBITION DE LA CROISSANCE DE CELLULES TUMORALES BASE SUR CCDC112**
[72] XU, JIE, CN
[72] SUN, YUFAN, CN
[72] ZHAO, XUEHUA, CN
[71] BIOTROY THERAPEUTICS, CN
[85] 2023-08-08
[86] 2022-01-26 (PCT/CN2022/073951)
[87] (WO2022/166700)
[30] CN (202110172875.X) 2021-02-08

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[13] A1
[51] **Int.Cl. G02F 1/1347 (2006.01) F21V 9/40 (2018.01) G02B 3/14 (2006.01) G02F 1/1343 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENT AND LIGHTING DEVICE**
[54] **ELEMENT OPTIQUE ET APPAREIL D'ECLAIRAGE**
[72] KUROKAWA, TAE, JP
[72] KOITO, TAKEO, JP
[72] IKEDA, KOJIRO, JP
[71] JAPAN DISPLAY INC., JP
[85] 2023-08-08
[86] 2021-12-15 (PCT/JP2021/046385)
[87] (WO2022/176360)
[30] JP (2021-024716) 2021-02-18

[21] **3,207,789**
[13] A1
[51] **Int.Cl. D21H 11/18 (2006.01) D21H 17/28 (2006.01) D21H 17/37 (2006.01) D21H 17/56 (2006.01) D21H 21/16 (2006.01) D21H 21/18 (2006.01) D21H 21/56 (2006.01) D21H 23/24 (2006.01) D21H 27/32 (2006.01)**
[25] EN
[54] **A METHOD, A PAPERBOARD PRODUCT AND USE OF A FOAM COATER AND A SUBSEQUENT HIGH-CONSISTENCY METERING SIZE PRESS**
[54] **PROCEDE, PRODUIT EN CARTON ET UTILISATION D'UN DISPOSITIF D'ENDUCTION DE MOUSSE ET ULTERIEUREMENT D'UNE PRESSE ENCOLLEUSE DOSEUSE A CONSISTANCE ELEVEE**
[72] KIVIRANTA, ARI, FI
[72] LESKELA, MARKKU, FI
[72] VERKASALO, LAURI, FI
[72] BUNKER, DANIEL, FI
[71] METSA BOARD OYJ, FI
[85] 2023-08-08
[86] 2022-02-23 (PCT/FI2022/050120)
[87] (WO2022/180307)
[30] FI (20215195) 2021-02-23

[21] **3,207,790**
[13] A1
[51] **Int.Cl. A61B 34/37 (2016.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A ROBOTIC SYSTEM FOR MEDICAL OR SURGICAL TELEOPERATION, HAVING A MECHANICALLY UNCONSTRAINED MASTER DEVICE BEING MOVABLE BY AN OPERATOR, WITH CONTROL OF LOCAL REFERENCE COORDINATE FRAMES AND ROBOTIC SYSTEM USING THE METHOD**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME ROBOTIQUE POUR TELEOPERATION MEDICALE OU CHIRURGICALE, COMPRENANT UN DISPOSITIF MAITRE MECANIQUEMENT NON CONTRAINT POUVANT ETRE DEPLACE PAR UN OPERATEUR, AVEC COMMANDE DE TRAMES DE COORDONNEES DE REFERENCES LOCALES ET SYSTEME ROBOTIQUE UTILISANT LE PROCEDE**
[72] DI GUARDO, ANTONIO, IT
[72] TANZINI, MATTEO, IT
[72] SIMI, MASSIMILIANO, IT
[72] RUFFALDI, EMANUELE, IT
[72] PROCTOR, MICHAEL JOHN, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2023-08-08
[86] 2022-02-11 (PCT/IB2022/051244)
[87] (WO2022/175795)
[30] IT (102021000003479) 2021-02-16

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[13] A1
[51] **Int.Cl. A61K 35/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTI-CD112R ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-CD112R ET SON UTILISATION**
[72] LIU, DANDAN, CN
[72] ZHANG, JING, CN
[72] ZHOU, YUEHUA, CN
[72] YAO, JIAN, CN
[72] ZHAO, QIANG, CN
[72] LIU, HUI, CN
[72] FENG, HUI, CN
[71] SHANGHAI JUNSHI BIOSCIENCES CO., LTD., CN
[71] SUZHOU JUNMENG BIOSCIENCES CO., LTD., CN
[85] 2023-08-08
[86] 2022-02-08 (PCT/CN2022/075502)
[87] (WO2022/171080)
[30] CN (202110178859.1) 2021-02-09

[21] **3,207,792**
[13] A1
[51] **Int.Cl. A61K 35/744 (2015.01) A23K 10/16 (2016.01) A23L 33/135 (2016.01) A61P 1/16 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING CHOLESTATIC LIVER INJURY COMPRISING LEUCONOSTOC CITREUM STRAIN AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UNE SOUCHE DE LEUCONOSTOC CITREUM EN TANT QUE PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE LESIONS HEPATIQUES CHOLOSTATIQUES**
[72] CHIN, HWA SUP, KR
[71] LISCURE BIOSCIENCES CO., LTD., KR
[85] 2023-08-08
[86] 2022-02-07 (PCT/KR2022/001871)
[87] (WO2022/169338)
[30] KR (10-2021-0017842) 2021-02-08
[30] KR (10-2022-0014833) 2022-02-04

[21] **3,207,794**
[13] A1
[51] **Int.Cl. A61K 35/15 (2015.01)**
[25] EN
[54] **MODIFIED STEM CELL COMPOSITIONS AND METHODS FOR USE**
[54] **COMPOSITIONS DE CELLULES SOUCHES MODIFIEES ET LEURS PROCEDES D'UTILISATION**
[72] PANG, WENDY, US
[72] SHIZURU, JUDITH, US
[72] SIKORSKI, ROBERT, US
[72] TIWARI, RAJIV, US
[72] KWON, HYE-SOOK, US
[71] JASPER THERAPEUTICS, INC., US
[85] 2023-08-08
[86] 2022-02-09 (PCT/US2022/015861)
[87] (WO2022/173861)
[30] US (63/147,627) 2021-02-09
[30] US (63/257,012) 2021-10-18

[21] **3,207,795**
[13] A1
[51] **Int.Cl. G21C 9/00 (2006.01) G21C 9/04 (2006.01) G21D 3/04 (2006.01)**
[25] EN
[54] **UNDERGROUND NUCLEAR POWER REACTOR WITH A BLAST MITIGATION CHAMBER**
[54] **REACTEUR NUCLEAIRE SOUTERRAIN DOTE D'UNE CHAMBRE D'ATTENUATION DES EXPLOSIONS**
[72] GANESAN, PALVANNANATHAN, US
[71] GANESAN, PALVANNANATHAN, US
[85] 2023-08-08
[86] 2021-12-13 (PCT/US2021/063082)
[87] (WO2022/182402)
[30] US (17/183,923) 2021-02-24

[21] **3,207,800**
[13] A1
[51] **Int.Cl. A61K 31/439 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PYRIMIDINE AROMATIC RING COMPOUNDS**
[54] **COMPOSES CYCLIQUES AROMATIQUES DE PYRIMIDINE**
[72] ZHANG, YANG, CN
[72] WU, WENTAO, CN
[72] GENG, KAIJUN, CN
[72] XU, YANGYANG, CN
[72] LI, ZHIXIANG, CN
[72] CHEN, SHUHUI, CN
[71] MEDSHINE DISCOVERY INC., CN
[85] 2023-08-08
[86] 2022-02-09 (PCT/CN2022/075732)
[87] (WO2022/171147)
[30] CN (202110182357.6) 2021-02-09
[30] CN (202110251656.0) 2021-03-08
[30] CN (202110379326.X) 2021-04-08
[30] CN (202110485837.X) 2021-04-30
[30] CN (202110825879.3) 2021-07-21
[30] CN (202110975205.1) 2021-08-24
[30] CN (202111136266.5) 2021-09-27
[30] CN (202111283561.3) 2021-11-01
[30] CN (202210072243.0) 2022-01-21
[30] CN (202210113080.6) 2022-01-29

[21] **3,207,803**
[13] A1
[51] **Int.Cl. B05D 1/36 (2006.01) C09D 7/20 (2018.01) C09D 7/47 (2018.01) C09D 7/61 (2018.01) B05D 3/02 (2006.01) B05D 5/06 (2006.01) B05D 7/24 (2006.01) C09D 5/00 (2006.01) C09D 5/29 (2006.01)**
[25] EN
[54] **MULTILAYER COATING FILM-FORMING METHOD**
[54] **METHODE DE FORMATION DE PELLICULE DE REVETEMENT MULTICOUCHE**
[72] NARITA, NOBUHIKO, JP
[72] SAKAI, KENJI, JP
[71] KANSAI PAINT CO., LTD., JP
[85] 2023-08-08
[86] 2022-03-28 (PCT/JP2022/015208)
[87] (WO2022/244483)
[30] JP (2021-083760) 2021-05-18

[21] **3,207,804**
[13] A1
[51] **Int.Cl. A63B 5/20 (2006.01)**
[25] EN
[54] **A ROPE EXERCISE SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION D'EXERCICE DE CORDE**
[72] RINGSHALL, ADAM, GB
[71] RINGSHALL, ADAM, GB
[85] 2023-08-08
[86] 2022-02-08 (PCT/IB2022/051098)
[87] (WO2022/172148)
[30] GB (2101973.2) 2021-02-12

[21] **3,207,806**
[13] A1
[51] **Int.Cl. C07D 491/04 (2006.01)**
[25] EN
[54] **OXA-IBOGAINE INSPIRED ANALOGUES FOR TREATMENT OF NEUROLOGICAL AND PSYCHIATRIC DISORDERS**
[54] **ANALOGUES INSPIRES D'OXA-IBOGAINE POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES ET PSYCHIATRIQUES**
[72] SAMES, DALIBOR, US
[72] HAVEL, VACLAV, CZ
[72] BECHAND, BENJAMIN, US
[72] LANKRI, DAVID, IL
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2023-08-08
[86] 2022-02-08 (PCT/US2022/015681)
[87] (WO2022/170268)
[30] US (63/147,157) 2021-02-08

[21] **3,207,807**
[13] A1
[51] **Int.Cl. B60N 2/90 (2018.01)**
[25] EN
[54] **SEAT WITH POWER PITCH EASY ENTRY HAVING LOWER DISC ACTUATOR**
[54] **SIEGE A ECARTEMENT ELECTRIQUE POUR UNE ENTREE FACILE DOTE D'UN ACTIONNEUR A DISQUE INFERIEUR**
[72] RUNDE, DAVID M., US
[71] MAGNA SEATING INC., CA
[85] 2023-08-08
[86] 2022-02-14 (PCT/US2022/016322)
[87] (WO2022/174147)
[30] US (63/148,674) 2021-02-12

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[13] A1
[51] **Int.Cl. A63C 10/04 (2012.01) A63C 10/06 (2012.01) A43C 11/14 (2006.01) A63C 9/22 (2012.01)**
[25] EN
[54] **SKI OR SNOWSHOE BINDING**
[54] **FIXATION DE SKI OU DE RAQUETTE A NEIGE**
[72] ARJANNE, HENRI, FI
[72] VUORIO, MIIKA, FI
[72] TIITOLA, ANTTI-JUSSI (DECEASED), XX
[71] OAC FINLAND OY, FI
[85] 2023-08-08
[86] 2022-02-21 (PCT/FI2022/050113)
[87] (WO2022/180303)
[30] FI (U20210025) 2021-02-24

[21] **3,207,809**
[13] A1
[51] **Int.Cl. H01H 13/85 (2006.01) H01H 13/78 (2006.01)**
[25] EN
[54] **MULTI-MODE MECHANICAL KEYBOARD SWITCH**
[54] **INTERRUPTEUR DE CLAVIER MECANIQUE MULTIMODE**
[72] LIU, HENRY, CA
[71] ZEAL GENERATION INC., CA
[85] 2023-08-08
[86] 2022-02-09 (PCT/CA2022/050187)
[87] (WO2022/170428)
[30] US (63/147,600) 2021-02-09

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[13] A1
[51] **Int.Cl. B66F 3/46 (2006.01) B66F 3/08 (2006.01) E04G 23/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STRUCTURE LIFTING**
[54] **SYSTEME ET PROCEDE DE LEVAGE DE STRUCTURE**
[72] WENSEL, MONTY, CA
[72] JONASSON, ERIC D., CA
[72] FULTON, SHAWN CHRISTOPHER, CA
[71] FS MANUFAB, INC., CA
[85] 2023-08-08
[86] 2022-02-06 (PCT/CA2022/050168)
[87] (WO2022/165604)
[30] CA (3108365) 2021-02-08

[21] **3,207,811**
[13] A1
[25] EN
[54] **METHODS FOR TREATING GLIOBLASTOMAS WITH SEPIAPTERIN**
[54] **PROCEDES DE TRAITEMENT DE GLIOBLASTOMES AVEC DE LA SEPIAPTERINE**
[72] RABENDER, CHRISTOPHER, US
[72] CLARK, GENE CHATMAN, US
[72] MEZZAROMA, ELEONORA, US
[72] MIKKELSEN, ROSS B., US
[72] YAKOVLEV, VASILY, US
[72] SMITH, NEIL, US
[71] PTC THERAPEUTICS MP, INC., US
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
[85] 2023-08-08
[86] 2022-02-09 (PCT/US2022/015826)
[87] (WO2022/173834)
[30] US (63/147,625) 2021-02-09

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[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61J 1/20 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **A TAMPER PROOF LUER LOCK CONNECTOR AND A VALVE ARRANGEMENT FOR AN ADAPTOR**
[54] **RACCORD LUER LOCK INVIOLABLE ET AGENCEMENT DE VALVE POUR ADAPTATEUR**
[72] KRIHELI, MARINO, IL
[72] TAVOR, RAANAN, IL
[72] SHEM-TOV, ERIC, IL
[72] DACH, SHLOMI, IL
[71] EQUASHIELD MEDICAL LTD., IL
[85] 2023-08-08
[86] 2022-03-03 (PCT/IL2022/050236)
[87] (WO2022/185313)
[30] IL (281248) 2021-03-03
[30] IL (287544) 2021-10-25

[21] **3,207,813**
[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01) A61K 47/54 (2017.01) A61P 37/02 (2006.01)**
[25] EN
[54] **PRODRUG COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE DE PROMEDICAMENT, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] YAO, YUANSHAN, CN
[72] LI, AO, CN
[72] SHI, JUNWEI, CN
[72] CAO, GUOQING, CN
[71] MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, CN
[71] MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, CN
[85] 2023-08-08
[86] 2022-02-09 (PCT/CN2022/075714)
[87] (WO2022/171140)
[30] CN (202110182307.8) 2021-02-09

[21] **3,207,814**
[13] A1
[51] **Int.Cl. A61K 8/36 (2006.01) A61K 8/55 (2006.01) A61K 8/63 (2006.01) A61K 8/68 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS OPTIMISED FOR EPIDERMAL LIPIDS AND PHOSPHATIDYL GLYCEROL**
[54] **COMPOSITIONS TOPIQUES OPTIMISEES POUR DES LIPIDES EPIDERMIQUES ET LE PHOSPHATIDYL GLYCEROL**
[72] BARATTO, GIOVANNI, IT
[71] UNIFARCO S.P.A., IT
[85] 2023-08-08
[86] 2022-02-15 (PCT/IB2022/051330)
[87] (WO2022/175811)
[30] IT (102021000003539) 2021-02-16

[21] **3,207,816**
[13] A1
[51] **Int.Cl. C08J 11/16 (2006.01) C10G 1/08 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE TREATMENT OF WASTE TYRES**
[54] **PROCEDE DE TRAITEMENT DE PNEUS USES**
[72] MANENTI, FLAVIO, IT
[71] POLITECNICO DI MILANO, IT
[85] 2023-08-08
[86] 2022-03-01 (PCT/IB2022/051799)
[87] (WO2022/185205)
[30] IT (102021000004901) 2021-03-02

[21] **3,207,817**
[13] A1
[51] **Int.Cl. A61P 1/04 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING HUMANIZED ANTIBODIES TO TNF-LIKE LIGAND 1A (TL1A) AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT DES ANTICORPS HUMANISES CONTRE LE LIGAND 1A DE TYPE TNF (TL1A) ET LEURS UTILISATIONS**
[72] LUO, ALLISON, US
[72] OTSUKI, LAUREN, US
[72] MANNING, MARK, US
[72] PAYNE, ROBERT, US
[72] LAURENT, OLIVIER, US
[72] BILSBOROUGH, JANINE, US
[72] HENKLE, BRADLEY, US
[72] TARGAN, STEPHAN R., US
[71] PROMETHEUS BIOSCIENCES, INC., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2023-08-08
[86] 2022-02-17 (PCT/US2022/016841)
[87] (WO2022/178159)
[30] US (63/150,825) 2021-02-18
[30] US (63/180,892) 2021-04-28
[30] US (63/226,037) 2021-07-27
[30] US (63/285,781) 2021-12-03

[21] **3,207,820**
[13] A1
[25] EN
[54] **FRAUD PREVENTION SYSTEMS AND METHODS FOR SELECTIVELY GENERATING VIRTUAL ACCOUNT NUMBERS**
[54] **SYSTEMES ET PROCEDES DE PREVENTION CONTRE LA FRAUDE POUR GENERER DE MANIERE SELECTIVE DES NUMEROS DE COMPTES VIRTUELS**
[72] BROWN, KELLY JO EARL, US
[72] OZOKA, NOBLE, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2023-08-08
[86] 2022-02-03 (PCT/US2022/015088)
[87] (WO2022/173649)
[30] US (17/171,034) 2021-02-09

[21] **3,207,854**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] LI, LIANSHENG, US
[72] ZHU, XIUWEN, US
[72] ZHU, ZHIMIN, US
[72] REN, PINGDA, US
[72] LIU, YUAN, US
[72] LIU, YI, US
[71] KUMQUAT BIOSCIENCES INC., US
[85] 2023-08-09
[86] 2022-02-09 (PCT/US2022/015874)
[87] (WO2022/173870)
[30] US (63/147,712) 2021-02-09
[30] US (63/147,713) 2021-02-09
[30] US (63/166,224) 2021-03-25
[30] US (63/176,866) 2021-04-19
[30] US (63/191,910) 2021-05-21

[21] **3,207,857**
[13] A1
[51] **Int.Cl. F26B 17/10 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING HEAT-SENSITIVE MATERIALS IN A VORTEX CHAMBER**
[54] **PROCEDE DE RETRAITEMENT DE MATERIAUX THERMOSENSIBLES DANS UNE CHAMBRE A TOURBILLONS**
[72] STOROZHEV, FYODOR NIKOLAEVICH, RU
[72] VILCHEK, SERGEI YURIEVICH, RU
[71] SIA "EMPYRIO", LV
[85] 2023-08-09
[86] 2022-04-25 (PCT/RU2022/000136)
[87] (WO2022/186726)
[30] RU (2021105433) 2021-03-02

[21] **3,207,858**
[13] A1
[51] **Int.Cl. G16H 40/63 (2018.01) G16H 40/67 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SENSOR TRACKING BASED PATIENT SOCIAL CONTENT SYSTEM**
[54] **SYSTEME DE CONTENU SOCIAL POUR PATIENTS BASE SUR LE SUIVI DE CAPTEUR**
[72] ZILCA, RAN, US
[72] ZIMMERMAN, KEREN, US
[71] TWILL, INC., US
[85] 2023-08-09
[86] 2022-01-26 (PCT/US2022/013859)
[87] (WO2022/164872)
[30] US (63/141,538) 2021-01-26

[21] **3,207,861**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01)**
[25] EN
[54] **CCR4-TARGETING CHIMERIC ANTIGEN RECEPTOR CELL THERAPY**
[54] **THERAPIE CELLULAIRE PAR RECEPTEUR D'ANTIGENE CHIMERIQUE CIBLANT CCR4**
[72] JUNE, CARL H., US
[72] WATANABE, KEISUKE, JP
[72] YOUNG, REGINA M., US
[72] SCHOLLER, JOHN, US
[72] NISHIKAWA, HIROYOSHI, JP
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] NATIONAL CANCER CENTER JAPAN, JP
[85] 2023-08-09
[86] 2022-02-10 (PCT/US2022/015981)
[87] (WO2022/173950)
[30] US (63/148,489) 2021-02-11

[21] **3,207,871**
[13] A1
[51] **Int.Cl. C13K 1/06 (2006.01)**
[25] EN
[54] **THERMOSTABLE MALTOTRIOSE AMYLASE PROTEIN**
[54] **PROTEINE D'AMYLASE DE MALTOTRIOSE THERMOSTABLE**
[72] VENKITASUBRAMANIAN, PADMESH, US
[72] GARNER, ASHLEY, US
[72] ISLAM, S M MAHFUZUL, US
[72] SUBEDI, BISHNU, US
[72] WELCH, MARK, US
[72] GOVINDARAJAN, SRIDHAR, US
[71] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2023-08-09
[86] 2022-02-07 (PCT/US2022/015514)
[87] (WO2022/173704)
[30] US (63/147,472) 2021-02-09

[21] **3,207,875**
[13] A1
[25] EN
[54] **BODY SUPPORT SYSTEM FOR EMITTING ULTRA-LOW RADIO FREQUENCY ENERGY AND ASSOCIATED SYSTEMS AND METHODS**
[54] **SYSTEME DE SUPPORT DE CORPS PERMETTANT D'EMETTRE DE L'ENERGIE RADIOFREQUENCE ULTRA-BASSE AINSI QUE SYSTEMES ET PROCEDES ASSOCIES**
[72] MOGEN, BRIAN, US
[72] MURRAY, GERARD P., CA
[72] DONNELL, SCOTT, CA
[71] HAPBEE TECHNOLOGIES, INC., CA
[85] 2023-08-09
[86] 2022-02-14 (PCT/IB2022/000109)
[87] (WO2022/172090)
[30] US (63/149,137) 2021-02-12

[21] **3,207,878**
[13] A1
[51] **Int.Cl. C07K 14/165 (2006.01)**
[25] EN
[54] **CORONAVIRUS SPIKE PROTEIN DESIGNS, COMPOSITIONS AND METHODS FOR THEIR USE**
[54] **CONCEPTIONS DE PROTEINE DE SPICULE DU CORONAVIRUS, COMPOSITIONS ET PROCEDES POUR LEUR UTILISATION**
[72] SAUNDERS, KEVIN, US
[72] HAYNES, BARTON F., US
[71] DUKE UNIVERSITY, US
[85] 2023-08-09
[86] 2022-02-10 (PCT/US2022/015969)
[87] (WO2022/173940)
[30] US (63/147,948) 2021-02-10
[30] US (63/149,541) 2021-02-15
[30] US (63/167,390) 2021-03-29
[30] US (63/289,312) 2021-12-14
[30] US (63/303,277) 2022-01-26

[21] **3,207,881**
[13] A1
[25] EN
[54] **RNA TRANS-SPLICING MOLECULE**
[54] **MOLECULE DE TRANS-EPISSAGE D'ARN**
[72] INGEMARSDOTTER, CARIN, GB
[72] LEVER, ANDREW, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2023-08-09
[86] 2022-02-11 (PCT/EP2022/053407)
[87] (WO2022/171813)
[30] GB (2102118.3) 2021-02-15

[21] **3,207,887**
[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **NASAL SPRAY RECONSTITUTION SYSTEM**
[54] **SYSTEME DE RECONSTITUTION PAR PULVERISATION NASALE**
[72] HUANG, LONGXIANG, CN
[72] HUANG, HUASHENG, CN
[72] MA, JIAN, CN
[72] LIU, YAN, CN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-08-09
[86] 2022-02-14 (PCT/US2022/016275)
[87] (WO2022/174132)
[30] CN (202110186024.0) 2021-02-14

[21] **3,207,888**
[13] A1
[51] **Int.Cl. C01G 53/00 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01)**
[25] EN
[54] **METHOD OF PREPARING POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, AND POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY WHICH INCLUDE THE SAME**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE AU LITHIUM, MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE AU LITHIUM, ELECTRODE POSITIVE LE COMPRENANT POUR BATTERIE SECONDAIRE AU LITHIUM, ET BATTERIE SECONDAIRE AU LITHIUM**
[72] YOU, MIN KYU, KR
[72] SHIN, SUN SIK, KR
[72] JIN, JOO HONG, KR
[72] LEE, JUNE WOO, KR
[72] SHIN, JI A, KR
[72] PARK, MIN JOO, KR
[71] LG CHEM, LTD., KR
[85] 2023-08-09
[86] 2022-11-24 (PCT/KR2022/018741)
[87] (WO2023/096381)
[30] KR (10-2021-0163379) 2021-11-24

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[13] A1
[51] **Int.Cl. G01N 29/265 (2006.01)**
[25] EN
[54] **INSPECTION DEVICE FOR ROTARY ELECTRIC MACHINE, INSPECTION SYSTEM FOR ROTARY ELECTRIC MACHINE, INSPECTION METHOD FOR ROTARY ELECTRIC MACHINE, AND ROTARY ELECTRIC MACHINE TO BE INSPECTED USING INSPECTION DEVICE**
[54] **DISPOSITIF D'INSPECTION POUR UNE MACHINE TOURNANTE ELECTRIQUE, SYSTEME D'INSPECTION POUR UNE MACHINE TOURNANTE ELECTRIQUE, METHODE D'INSPECTION POUR UNE MACHINE TOURNANTE ELECTRIQUE ET MACHINE TOURNANTE ELECTRIQUE A INSPECTER AU MOYEN DU DISPOSITIF**
[72] GOTO, DAICHI, JP
[72] TSUJIMURA, NAOTAKA, JP
[72] MORIMOTO, YOSHIHIRO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2023-08-09
[86] 2021-05-25 (PCT/JP2021/019831)
[87] (WO2022/249290)

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[13] A1
[51] **Int.Cl. G16Y 20/10 (2020.01) G16Y 40/10 (2020.01) C02F 1/36 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE DETECTION, ASSESSMENT AND MITIGATION OF CYANOBACTERIA**
[54] **APPAREIL DE DETECTION, D'EVALUATION ET D'ATTENUATION DE CYANOBACTERIES**
[72] DEAN, JASON A., US
[72] MILSTEIN, JOSEPH B., US
[71] EGET LIBER, INC., US
[85] 2023-08-09
[86] 2022-02-15 (PCT/US2022/016452)
[87] (WO2022/177901)
[30] US (63/149,707) 2021-02-16
[30] US (63/302,768) 2022-01-25

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[13] A1
[25] EN
[54] **MAGNETIC SPONGE ASSEMBLY**
[54] **ENSEMBLE EPONGE MAGNETIQUE**
[72] DUNN, STEVEN BRYAN, US
[72] SAXTON, MATTHEW JOSEPH, US
[72] KUEN, KWOK PING, CN
[71] MUNCHKIN, INC., US
[85] 2023-08-09
[86] 2022-02-15 (PCT/US2022/016494)
[87] (WO2022/177921)
[30] US (17/177,139) 2021-02-16
[30] US (17/318,928) 2021-05-12
[30] US (17/538,436) 2021-11-30

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[51] **Int.Cl. H02J 50/12 (2016.01)**
[25] EN
[54] **UNIFIED CONTROL STRATEGIES FOR GRID-CONNECTED CONVERTERS**
[54] **STRATEGIES DE COMMANDE UNIFIEE POUR CONVERTISSEURS CONNECTES AU RESEAU**
[72] MIRANBEIGI, MOHAMMADREZA, US
[72] KANDULA, RAJENDRA PRASAD, US
[72] DIVAN, DEEPAK M., US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2023-08-09
[86] 2022-02-09 (PCT/US2022/015761)
[87] (WO2022/173791)
[30] US (63/147,630) 2021-02-09

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[13] A1
[51] **Int.Cl. A61F 2/34 (2006.01)**
[25] EN
[54] **TOTAL ELBOW REPLACEMENT PROSTHESIS**
[54] **PROTHESE TOTALE DE REMPLACEMENT DU COUDE**
[72] FITZPATRICK, NOEL, GB
[72] MESWANIA, JAYANTILAL, GB
[71] FITZBIONICS LIMITED, GB
[85] 2023-08-09
[86] 2022-02-11 (PCT/GB2022/050382)
[87] (WO2022/172029)
[30] GB (2101910.4) 2021-02-11

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[51] **Int.Cl. A61K 38/47 (2006.01)**
[25] EN
[54] **RECOMBINANT HUMAN ACID ALPHA-GLUCOSIDASE AND USES THEREOF**
[54] **ALPHA-GLUCOSIDASE ACIDE HUMAINE RECOMBINANTE ET UTILISATIONS ASSOCIEES**
[72] DO, HUNG, US
[72] GOTSCHALL, RUSSELL, US
[72] CHAR, HING, US
[72] BARTH, JAY, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2023-08-09
[86] 2022-02-11 (PCT/US2022/016124)
[87] (WO2022/174037)
[30] US (63/148,596) 2021-02-11
[30] US (63/162,683) 2021-03-18

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[13] A1
[51] **Int.Cl. G16H 40/40 (2018.01) G06F 8/65 (2018.01)**
[25] EN
[54] **MEDICAL SOFTWARE FOR DISPLAYING AND ANALYZING BLOOD GLUCOSE DATA FOR USE IN A HETEROGENEOUS COMPUTING NETWORK IN MEDICAL PRACTICES**
[54] **LOGICIEL MEDICAL SERVANT A AFFICHER ET ANALYSER DES DONNEES DE GLYCEMIE, DESTINE A ETRE UTILISE DANS UN RESEAU INFORMATIQUE HETEROGENE DE CABINETS MEDICAUX**
[72] BAUMANN, PASCAL, DE
[72] SCHEERER, JOHANNES, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2023-08-09
[86] 2022-02-21 (PCT/EP2022/054182)
[87] (WO2022/179962)
[30] EP (21158738.1) 2021-02-23

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[51] **Int.Cl. A21D 13/60 (2017.01) A21D 13/24 (2017.01) A21D 13/47 (2017.01) A21D 13/80 (2017.01) A21D 2/18 (2006.01) A21D 2/36 (2006.01) A21D 8/04 (2006.01)**
[25] EN
[54] **SHELF-STABLE FRIED CONFECTIONERY FOOD PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS ALIMENTAIRES DE CONFISERIE FRITS A LONGUE DUREE DE CONSERVATION ET LEURS PROCEDES DE FABRICATION**
[72] WANG, XIAOYING, US
[72] CAPPELLO, PAIGE E., US
[72] DUQUE, ANA C., US
[71] THE HESHEY COMPANY, US
[85] 2023-08-09
[86] 2022-03-31 (PCT/US2022/022716)
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[30] US (63/169,080) 2021-03-31

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[51] **Int.Cl. C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **COMPOUND AS ADENOSINE A2A RECEPTOR ANTAGONIST AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**
[54] **COMPOSE CONSTITUANT UN ANTAGONISTE DU RECEPTEUR A2A DE L'ADENOSINE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT**
[72] LEE, CHANG SIK, KR
[72] LEE, JAEWON, KR
[72] LEE, JAE YOUNG, KR
[72] PARK, YESONG, KR
[72] GWAK, DALYONG, KR
[72] KIM, HYUNJIN MICHAEL, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2023-08-09
[86] 2022-04-21 (PCT/IB2022/053721)
[87] (WO2022/224180)
[30] KR (10-2021-0053352) 2021-04-23

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[13] A1
[51] **Int.Cl. G06V 20/68 (2022.01)**
[25] EN
[54] **FEEDBUNK VOLUME ESTIMATION VIA IMAGE SEGMENTATION**
[54] **ESTIMATION DE VOLUME DE DISTRIBUTEUR D'ALIMENTATION PAR SEGMENTATION D'IMAGE**
[72] VER STEEG, NICKOLAS JUNIOR, US
[71] CAN TECHNOLOGIES, INC., US
[85] 2023-08-09
[86] 2022-02-09 (PCT/US2022/070584)
[87] (WO2022/174228)
[30] US (63/147,902) 2021-02-10

[21] **3,207,943**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING A POLY(ETHYLENE-CO-1-ALKENE) COPOLYMER WITH REVERSE COMONOMER DISTRIBUTION**
[54] **PROCEDE DE FABRICATION D'UN COPOLYMERE DE POLY(ETHYLENE-CO-1-ALCENE) A DISTRIBUTION INVERSE DE COMONOMERE**
[72] FIGUEROA, RUTH, US
[72] O'LEARY, LESLIE E., US
[72] BROWN, SUSAN, US
[72] DEWILDE, JOSEPH F., US
[72] KLOSIN, JERZY, US
[72] YOUNG, ANDREW J., US
[72] BAILLIE, RHETT, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2023-08-09
[86] 2022-02-10 (PCT/US2022/015933)
[87] (WO2022/173915)
[30] US (63/149,488) 2021-02-15

[21] **3,207,952**
[13] A1
[51] **Int.Cl. A41C 3/12 (2006.01)**
[25] EN
[54] **BRA WITH INTERMEDIARY FLEXIBLE LAYER AND METHOD FOR MANUFACTURING SAME**
[54] **SOUTIEN-GORGE A COUCHE INTERMEDIAIRE FLEXIBLE ET SON PROCEDE DE FABRICATION**
[72] SUESS, EMILY, US
[72] MCARDLE, BALERIE ANN, US
[71] CHICO'S BRANDS INVESTMENTS, INC., US
[85] 2023-08-09
[86] 2022-02-14 (PCT/US2022/016363)
[87] (WO2022/174166)
[30] US (17/175,110) 2021-02-12

[21] **3,207,954**
[13] A1
[51] **Int.Cl. G02F 1/1347 (2006.01) G02F 1/1343 (2006.01)**
[25] EN
[54] **LIQUID CRYSTAL LIGHT CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE LUMIERE A CRISTAUX LIQUIDES**
[72] KUROKAWA, TAE, JP
[72] KOITO, TAKEO, JP
[72] IKEDA, KOJIRO, JP
[71] JAPAN DISPLAY INC., JP
[85] 2023-08-09
[86] 2022-02-07 (PCT/JP2022/004747)
[87] (WO2022/176684)
[30] JP (2021-024713) 2021-02-18

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[51] **Int.Cl. A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **ELECTRODE APPARATUS FOR BLOCKING OR CONTROLLING NERVES IN BODY**
[54] **APPAREIL A ELECTRODES PERMETTANT DE BLOQUER OU DE COMMANDER DES NERFS DANS UN CORPS**
[72] JEONG, CHANG WOOK, KR
[72] BACH, DU JIN, KR
[72] JO, SEOK HYEON, KR
[71] DEEPQURE INC., KR
[85] 2023-08-09
[86] 2021-02-17 (PCT/KR2021/002014)
[87] (WO2022/173069)
[30] KR (10-2021-0019435) 2021-02-10

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[51] **Int.Cl. C07F 9/553 (2006.01) A61P 7/02 (2006.01) A61P 9/12 (2006.01) A61P 9/14 (2006.01)**
[25] EN
[54] **BENZAZEPINE COMPOUNDS, PREPARATION METHOD THEREFOR AND PHARMACEUTICAL USE THEREOF**
[54] **COMPOSES DE BENZAZEPINE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION PHARMACEUTIQUE**
[72] ZHU, LINGJIAN, CN
[72] SHI, JIANYU, CN
[72] JI, CHANGJIN, CN
[72] DONG, BANGJIE, CN
[72] HUANG, JIAN, CN
[71] SHANGHAI SENHUI MEDICINE CO., LTD., CN
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[85] 2023-08-09
[86] 2022-02-10 (PCT/CN2022/075793)
[87] (WO2022/171160)
[30] CN (202110184339.1) 2021-02-10
[30] CN (202110803896.7) 2021-07-16
[30] CN (202110846383.4) 2021-07-26
[30] CN (202111356862.4) 2021-11-16
[30] CN (202111407094.0) 2021-11-24

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[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/372 (2021.01)**
[25] EN
[54] **SYMPTOM DETERMINATION APPARATUS AND PROGRAM FOR DETERMINING SYMPTOM**
[54] **DISPOSITIF ET PROGRAMME D'EVALUATION DE SYMPTOME**
[72] MITSUKURA, YASUE, JP
[72] KISHIMOTO, TAISHIRO, JP
[72] TAZAWA, YUKI, JP
[71] KEIO UNIVERSITY, JP
[85] 2023-08-09
[86] 2022-01-28 (PCT/JP2022/003452)
[87] (WO2022/172792)
[30] JP (2021-020806) 2021-02-12

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[13] A1
[51] **Int.Cl. A41C 3/10 (2006.01)**
[25] EN
[54] **BRA PAD AND METHOD FOR MANUFACTURING SAME**
[54] **COUSSINET DE SOUTIEN-GORGE ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] SUESS, EMILY, US
[72] MCARDLE, VALERIE ANN, US
[71] CHICO'S BRANDS INVESTMENTS, INC., US
[85] 2023-08-09
[86] 2022-02-14 (PCT/US2022/016364)
[87] (WO2022/174167)
[30] US (17/175,202) 2021-02-12

[21] **3,207,962**
[13] A1
[25] EN
[54] **AGILE UNDT DEVICE COMPRISING A DUAL EMAT/LASER-PULSE MATRIX ARRAY FOR SCANNING METALLURGICAL OBJECTS**
[54] **DISPOSITIF AGILE UNDT A DOUBLE MATRICE EMATS/IMPULSIONS-LASER POUR LE SCANNING D'OBJETS METALLURGIQUES**
[72] SUBBOTIN, ARTEMII, RU
[72] MALYNKA, SERGII, UA
[72] SIDOROV, GEORGII, UA
[72] EVDOKIMOV, ALEXEY, RU
[71] STEELEMAT S.A R.L, LU
[85] 2023-08-09
[86] 2022-03-14 (PCT/IB2022/052251)
[87] (WO2022/172260)

[21] **3,207,963**
[13] A1
[51] **Int.Cl. C01B 32/50 (2017.01) C10L 1/02 (2006.01)**
[25] EN
[54] **CARBON-NEGATIVE METALLURGICAL PRODUCTS**
[54] **PRODUITS METALLURGIQUES CARBONE-NEGATIFS**
[72] MENNELL, JAMES A., US
[72] DAUGAARD, DAREN, US
[72] SLACK, DUSTIN, US
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US
[85] 2023-08-09
[86] 2022-02-17 (PCT/US2022/016703)
[87] (WO2022/178063)
[30] US (63/151,026) 2021-02-18

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[13] A1
[51] **Int.Cl. A61C 19/06 (2006.01) A61C 19/08 (2006.01)**
[25] EN
[54] **DENTAL MEDICAMENT APPLICATOR**
[54] **APPLICATEUR DE MEDICAMENT DENTAIRE**
[72] FERRIS, TYLER, US
[72] REEH, JEFF, US
[71] CAV-AID LLC, US
[85] 2023-08-09
[86] 2022-02-10 (PCT/US2022/016006)
[87] (WO2022/173968)
[30] US (63/147,751) 2021-02-10

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[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING IMAGE DATA**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES D'IMAGE**
[72] PACKWOOD, DAVID, GB
[72] RUIZ-GARCIA, ARIEL EDGAR, GB
[71] SEECHANGE TECHNOLOGIES LIMITED, GB
[85] 2023-08-10
[86] 2021-09-23 (PCT/GB2021/052474)
[87] (WO2022/144534)
[30] GB (2020828.6) 2020-12-31

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[13] A1
[51] **Int.Cl. B82B 3/00 (2006.01) B82Y 40/00 (2011.01) B81C 1/00 (2006.01)**
[25] EN
[54] **NANOSCALE MATERIALS SYNTHESIS MACHINE**
[54] **MACHINE DE SYNTHESE DE MATERIAUX A L'ECHELLE NANOMETRIQUE**
[72] SINGHAL, ISHU, IN
[72] SINGHAL, RAVI, IN
[72] GUPTA, INDER KUMAR, IN
[72] GUPTA, KANIKA, IN
[71] SINGHAL, ISHU, IN
[71] GUPTA, INDER KUMAR, IN
[71] GUPTA, KANIKA, IN
[85] 2023-07-29
[86] 2022-03-01 (PCT/IN2022/050175)
[87] (WO2022/185335)
[30] IN (202111004717) 2021-03-03

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[13] A1
[51] **Int.Cl. C07D 333/66 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) C07D 333/68 (2006.01)**
[25] EN
[54] **2-ACETAMIDO-6-HYDROXY-BENZOTHIOPHENE DERIVATIVES WITH ANTIVIRAL ACTIVITY**
[54] **DERIVES DE 2-ACETAMIDO-6-HYDROXY-BENZOTHIOPHENE AYANT UNE ACTIVITE ANTIVIRALE**
[72] MAKAROV, VADIM ALBERTOVICH, RU
[72] ZARUBAEV, VLADIMIR VIKTOROVICH, RU
[71] OTCPHARM JSC, RU
[85] 2023-08-10
[86] 2022-02-01 (PCT/RU2022/050030)
[87] (WO2022/173329)
[30] RU (2021103521) 2021-02-12

[21] **3,208,044**
[13] A1
[25] EN
[54] **TURF INFILL MATERIAL AND RELATED TURF**
[54] **MATERIAU DE REMPLISSAGE DE GAZON ET GAZON ASSOCIE**
[72] NEDI, IRMA, IT
[72] TESTA, EMANUELE, IT
[72] STROPPIANA, MAURIZIO, IT
[71] MONDO S.P.A., IT
[85] 2023-08-10
[86] 2022-02-10 (PCT/IB2022/051205)
[87] (WO2022/172194)
[30] IT (102021000003140) 2021-02-12

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[13] A1
[51] **Int.Cl. C10L 3/04 (2006.01) C23C 16/26 (2006.01) C23C 16/448 (2006.01) F17C 11/00 (2006.01)**
[25] EN
[54] **ACETYLENE FLUID SUPPLY PACKAGE, SYSTEM COMPRISING THE SAME AND METHOD OF FABRICATING SEMICONDUCTOR DEVICE USING THE SAME**
[54] **BOITIER D'ALIMENTATION EN FLUIDE ACETYLENE, SYSTEME LE COMPRENANT ET PROCEDE DE FABRICATION D'UN DISPOSITIF A SEMI-CONDUCTEUR L'UTILISANT**
[72] SINHA, ASHWINI K., US
[72] SONG, XUEMEI, US
[72] KANE, WILLIAM S., US
[72] CHO, YOUN-JOUNG, KR
[72] CHUNG, WONWOONG, KR
[72] HAN, YEONOCK, KR
[71] PRAXAIR TECHNOLOGY, INC., US
[71] SAMSUNG ELECTRONIC CO., LTD., KR
[85] 2023-08-10
[86] 2022-02-11 (PCT/US2022/016103)
[87] (WO2022/177816)
[30] US (63/150,203) 2021-02-17
[30] US (17/667,861) 2022-02-09

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 41/00 (2020.01) A61K 45/06 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SONOSENSITIVE LIPOSOME AND METHOD FOR PREPARING SAME**
[54] **LIPOSOME SONOSENSIBLE ET SON PROCEDE DE PREPARATION**
[72] MOON, HYUNGWON, KR
[72] YOO, WOO YOUNG, KR
[72] KIM, YOONSEOK, KR
[72] KIM, HYUN RYOUNG, KR
[72] JUNG, EUN AH, KR
[71] IMGT CO, LTD., KR
[85] 2023-08-10
[86] 2021-04-02 (PCT/KR2021/004131)
[87] (WO2021/221330)
[30] KR (10-2020-0052356) 2020-04-29
[30] KR (10-2021-0042529) 2021-04-01

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[13] A1
[51] **Int.Cl. A61M 11/04 (2006.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 40/70 (2020.01)**
[25] EN
[54] **ATOMIZER CORES AND METHODS OF MANUFACTURING THE SAME**
[54] **PARTIES CENTRALES D'ATOMISEUR ET LEURS PROCEDES DE FABRICATION**
[72] PENG, XIAOFENG, CA
[71] QV TECHNOLOGIES CORP, CA
[85] 2023-08-10
[86] 2022-02-09 (PCT/CA2022/050183)
[87] (WO2022/170425)
[30] US (63/148,023) 2021-02-10

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[13] A1
[51] **Int.Cl. C01C 1/10 (2006.01) B01D 53/58 (2006.01) C01C 1/28 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **A SYSTEM FOR REMOVING AMMONIA FROM AN AMMONIA-CONTAINING EFFLUENT, AND METHOD FOR THE SAME.**
[54] **SYSTEME D'ELIMINATION D'AMMONIAC D'UN EFFLUENT CONTENANT DE L'AMMONIAC ET SA METHODE DE FABRICATION**
[72] VAN DEN EIJNDE, TUUR BERT THEO, NL
[71] NIJHUIS WATER TECHNOLOGY B.V., NL
[85] 2023-08-10
[86] 2022-02-10 (PCT/NL2022/050067)
[87] (WO2022/173297)
[30] NL (2027533) 2021-02-10

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[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01) E05B 3/00 (2006.01)**
[25] EN
[54] **HANDLE RETENTION**
[54] **RETENUE DE POIGNEE**
[72] LUNDAY, DRAKE, US
[72] LITWINSKI, ADAM M., US
[72] HURLBERT, DAVID J., US
[72] WIGGINS, ZACHARY, US
[72] OWENS, MARSHALL, US
[71] SCHLAGE LOCK COMPANY, US
[85] 2023-08-10
[86] 2022-02-10 (PCT/US2022/015900)
[87] (WO2022/173891)
[30] US (17/172,340) 2021-02-10

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[13] A1
[51] **Int.Cl. G16B 20/10 (2019.01) G16B 40/10 (2019.01) G16B 40/20 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NON-INVASIVE PREIMPLANTATION EMBRYO GENETIC SCREENING**
[54] **SYSTEMES ET PROCEDES DE CRIBLAGE GENETIQUE D'EMBRYONS DE PREIMPLANTATION NON INVASIF**
[72] CASPER, ROBERT, CA
[72] MERIANO, JAMES, CA
[72] MERHAV, URI, CA
[71] TRIO FERTILITY RESEARCH INC., CA
[85] 2023-07-11
[86] 2022-01-12 (PCT/CA2022/050043)
[87] (WO2022/150914)
[30] US (63/136,382) 2021-01-12

[21] **3,208,084**
[13] A1
[51] **Int.Cl. F28D 20/02 (2006.01) F24S 20/40 (2018.01) F25B 41/31 (2021.01) F01K 25/10 (2006.01) F25B 9/00 (2006.01) F25B 39/00 (2006.01)**
[25] EN
[54] **CO2 GAS-LIQUID PHASE TRANSITION-BASED MULTISTAGE COMPRESSION ENERGY STORAGE APPARATUS FOR CONVERTING THERMAL ENERGY INTO MECHANICAL ENERGY**
[54] **APPAREIL DE STOCKAGE D'ENERGIE DE COMPRESSION A ETAGES MULTIPLES BASE SUR UNE TRANSITION DE PHASE GAZ CO2-LIQUIDE POUR CONVERTIR DE L'ENERGIE THERMIQUE EN ENERGIE MECANIQUE**
[72] XIE, YONGHUI, CN
[72] WANG, QIN, CN
[72] SUN, LEI, CN
[72] WANG, YUQI, CN
[72] ZHANG, DI, CN
[72] GUO, YONGLIANG, CN
[72] WANG, XIAOYONG, CN
[72] YANG, FENG, CN
[71] EXA ENERGY TECHNOLOGY (SHENZHEN) CO. LTD., CN
[85] 2023-07-11
[86] 2021-12-08 (PCT/CN2021/136442)
[87] (WO2022/166391)
[30] CN (202110169184.4) 2021-02-07

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[13] A1
[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **INFORMATION PROCESSING METHOD, EQUIPMENT, DEVICE, AND READABLE STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'INFORMATIONS, DISPOSITIF ET SUPPORT DE STOCKAGE LISIBLE**
[72] CHAI, LI, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2023-07-11
[86] 2022-01-11 (PCT/CN2022/071446)
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[54] **SYSTEMS AND METHODS FOR HEALTHCARE INTEROPERABILITY**
[54] **SYSTEMES ET PROCEDES D'INTEROPERABILITE DE SOINS DE SANTE**
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[72] MORIMURA, JUN, US
[72] VIG, JOHN, US
[72] QUESADA, MARVIN, US
[72] MOSCHETTI, MICHAEL, US
[71] JANSSEN PHARMACEUTICA NV, BE
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[54] **FEED INGREDIENT DERIVED FROM BIOMASSES OF SOYBEAN MEAL**
[54] **INGREDIENT D'ALIMENT POUR ANIMAUX DERIVE DE BIOMASSES DE FARINE DE SOJA**
[72] BROKNER, CHRISTINE, DK
[72] RASMUSSEN, PERNILLE TOFT, DK
[72] DICKOW, JONATAN, DK
[72] THIRUP, LAILA, DK
[71] HAMLET PROTEIN A/S, DK
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[54] **METHOD FOR THE DETECTION OF LUNG CANCER**
[54] **METHODE DE DETECTION DU CANCER DU POUMON**
[72] HERZOG, MARIELLE, BE
[72] MICALLEF, JACOB VINCENT, BE
[71] BELGIAN VOLITION SRL, BE
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[72] MOSCHETTI, MICHAEL, US
[72] VIG, JOHN, US
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[71] JANSSEN PHARMACEUTICA NV, BE
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[25] EN
[54] **SHEET MATERIAL PROCESSING TOOL, SHEET MATERIAL PROCESSING STATION, AND SHEET MATERIAL PROCESSING MACHINE**
[54] **OUTIL DE TRAITEMENT DE MATERIAU EN FEUILLE, STATION DE TRAITEMENT DE MATERIAU EN FEUILLE ET MACHINE DE TRAITEMENT DE MATERIAU EN FEUILLE**
[72] DEKERVEL, ARNAUD, FR
[72] CHATRY, PATRICE, FR
[71] BOBST MEX SA, CH
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[54] **GOODS TO PERSON ORDER PICKING WITH DISCHARGE MECHANISM**
[54] **PREPARATION DE COMMANDES DU PRODUIT VERS L'HOMME A MECANISME D'EVACUATION**
[72] SCHUBILSKE, MARTIN E., US
[71] DEMATIC CORP., US
[85] 2023-07-11
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[54] **METHODS, SYSTEMS, AND APPARATUSES FOR MEDICAL IMAGE ENHANCEMENT TO OPTIMIZE TRANSDUCER ARRAY PLACEMENT**
[54] **PROCEDES, SYSTEMES ET APPAREILS D'AMELIORATION D'IMAGE MEDICALE POUR OPTIMISER LE PLACEMENT D'UN RESEAU DE TRANSDUCTEURS**
[72] SHAMIR, REUVEN RUBY, IL
[72] URMAN, NOA, IL
[72] GLOZMAN, YANA, IL
[71] NOVOCURE GMBH, CH
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[86] 2022-01-19 (PCT/IB2022/050446)
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[54] **MODULAR PULMONARY TREATMENT SYSTEM**
[54] **SYSTEME DE TRAITEMENT PULMONAIRE MODULAIRE**
[72] DHUPER, SUNIL KUMAR, US
[71] AEON RESEARCH AND TECHNOLOGY, INC., US
[85] 2023-08-11
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[54] **4-CHLORO-N-[2-[(4-CHLOROPHENYL)METHYL]-3-OXO-1,2,4-THIADIAZOL-5-YL]BENZAMIDE FOR USE IN MEDICINE**
[54] **4-CHLORO-N-[2-[(4-CHLOROPHENYL)METHYL]-3-OXO-1,2,4-THIADIAZOL-5-YL]BENZAMIDE DESTINE A ETRE UTILISE EN MEDECINE**
[72] EDLUND, THOMAS, SE
[72] WESTMAN, JACOB, SE
[71] BETAGENON AB, SE
[85] 2023-07-11
[86] 2022-01-11 (PCT/GB2022/050054)
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[54] **COLORIMETRIC SENSOR AND ITS PREPARATION PROCEDURE**
[54] **CAPTEUR COLORIMETRIQUE ET SON PROCEDE DE PREPARATION**
[72] DE STEFANO, LUCA, IT
[72] DE MARTINO, SELENE, IT
[72] BATTISTI, MARIO, IT
[72] MIRANDA, BRUNO, IT
[71] MATERIAS S.R.L., IT
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[54] **ANTI-VIRAL COMPOUNDS**
[54] **COMPOSES ANTIVIRAUX**
[72] KIRKHAM, JAMES, GB
[72] COOPER, IAN, GB
[72] BUNT, ADAM, GB
[72] BLADES, KEVIN, GB
[72] ORR, DAVID, GB
[72] WILKINSON, ANDREW, GB
[72] SCHOFIELD, PAUL, GB
[71] INFEX THERAPEUTICS LIMITED, GB
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[25] EN
[54] **CONTEXT MODELING FOR SIGN PREDICTION FOR VIDEO CODING**
[54] **MODELISATION DE CONTEXTE POUR LA PREDICTION DE SIGNE POUR LE CODAGE VIDEO**
[72] SEREGIN, VADIM, US
[72] KEROFSKY, LOUIS JOSEPH, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2023-07-11
[86] 2022-03-25 (PCT/US2022/071346)
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[25] EN
[54] **NUCLEIC ACID MOLECULE CONTAINING INCORPORATED GENE ENCODING FUSED PROTEIN OF LIGAND AND PROTEIN HAVING PHYSIOLOGICAL ACTIVITY**
[54] **MOLECULE D'ACIDE NUCLEIQUE CONTENANT UN GENE INCORPORE CODANT POUR UNE PROTEINE FUSIONNEE DE LIGAND ET PROTEINE AYANT UNE ACTIVITE PHYSIOLOGIQUE**
[72] KINOSHITA, MASAFUMI, JP
[72] IIZUKA, SHUNSUKE, JP
[72] IMAKIIRE, ATSUSHI, JP
[72] TAKAGI, HARUNA, JP
[72] SONODA, HIROYUKI, JP
[71] JCR PHARMACEUTICALS CO., LTD., JP
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[86] 2022-01-11 (PCT/JP2022/000466)
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[30] JP (2021-002567) 2021-01-12

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[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/52 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **ADAPTIVELY CODING MOTION INFORMATION FOR MULTIPLE HYPOTHESIS PREDICTION FOR VIDEO CODING**
[54] **CODAGE ADAPTATIF D'INFORMATIONS DE MOUVEMENT POUR PREDICTION D'HYPOTHESES MULTIPLES POUR UN CODAGE VIDEO**
[72] HUANG, HAN, US
[72] SEREGIN, VADIM, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2023-07-11
[86] 2022-03-23 (PCT/US2022/071289)
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[54] **BEER-FLAVORED LOW-ALCOHOL BEVERAGE**
[54] **BOISSON FAIBLEMENT ALCOOLISEE AU GOUT DE BIERE**
[72] KUBOTA, JUN, JP
[72] BABA, MARI, JP
[72] NAKAYAMA, WATARU, JP
[71] ASAHI GROUP HOLDINGS, LTD., JP
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[54] **OBSERVATION DE CULTURE ET SURVEILLANCE D'IRRIGATION**
[72] BUCHER, TIMOTHY, US
[72] HOLMES, STEVEN, US
[71] AGTONOMY, US
[85] 2023-07-11
[86] 2022-01-11 (PCT/US2022/012058)
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[54] **REACTEUR A MICRO-ONDES A MODE DOMINANT UNIQUE**
[72] PEDERSEN, JENS CHRISTIAN, DK
[72] LETH-ESPENSEN, POUL, DK
[72] HJORTSHOJ, ANDERS, DK
[71] ORGANIC FUEL TECHNOLOGY A/S, DK
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[30] DK (PA 2021 70084) 2021-02-22

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[54] **PACKAGING BAG AND PATCH PACKAGING PRODUCT**
[54] **SAC D'EMBALLAGE ET PRODUIT D'EMBALLAGE DE TIMBRE TRANSDERMIQUE**
[72] TSURUSHIMA, KEIICHIRO, JP
[72] YAMASOTO, SHINJI, JP
[72] TATEISHI, TETSURO, JP
[71] HISAMITSU PHARMACEUTICAL CO., INC., JP
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[86] 2022-02-14 (PCT/JP2022/005670)
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[30] JP (2021-027234) 2021-02-24

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[54] **SMART IMPLEMENTS**
[54] **INSTRUMENTS INTELLIGENTS**
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[72] HOLMES, STEVEN, US
[71] AGTONOMY, US
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[30] US (63/208,388) 2021-06-08

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[51] **Int.Cl. E21B 47/02 (2006.01) E21B 47/26 (2012.01) E21B 44/02 (2006.01)**
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[54] **WELL PLACEMENT SYSTEMS AND METHODS TO DETERMINE WELL PLACEMENT**
[54] **SYSTEMES ET PROCEDES DE PLACEMENT DE PUITS POUR DETERMINER UN PLACEMENT DE PUITS**
[72] KISELEV, VLADIMIR Y., US
[72] COMBS, JEREMY J., US
[72] ZHAO, JUNPU, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **TREATING DISEASES AND IMPROVING NUCLEIC ACID DELIVERY**
[54] **TRAITEMENT DE MALADIES ET AMELIORATION DE L'ADMINISTRATION D'ACIDE NUCLEIQUE**
[72] BARRY, MICHAEL A., US
[72] CHEN, CHRISTOPHER Y., US
[72] RUBIN, JEFFREY D., US
[72] TORRES, VINCENTE E., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[25] EN
[54] **ALIGNING MULTIPLE COORDINATE SYSTEMS FOR INFORMATION MODEL RENDERING**
[54] **ALIGNEMENT DE MULTIPLES SYSTEMES DE COORDONNEES POUR LE RENDU DE MODELE D'INFORMATIONS**
[72] AHMED, UMAR, GB
[72] MITCHELL, DAVID, GB
[71] XYZ REALITY LIMITED, GB
[85] 2023-07-12
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[54] **REMOVAL OF SAND IMPURITIES IN WET PROCESSING**
[54] **ELIMINATION D'IMPURETES DE SABLE DANS UN TRAITEMENT HUMIDE**
[72] LI, CHUNLI, US
[72] LI, LEIMING, US
[72] HAZLEWOOD, JOHNATHAN S., US
[72] XU, LIANG, US
[71] HALLIBURTON ENERGY SERVICES,INC., US
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[54] **EXPANDABLE SHEATH**
[54] **GAINE EXTENSIBLE**
[72] MAK, SOVANPHEAP, US
[72] TAMIR, ILAN, US
[72] FINE, MAXWELL HARRISON, US
[72] SALEH, NASSER WILLIAM, US
[72] TRAN, SONNY, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[25] EN
[54] **METHODS OF TREATMENT WITH S1P RECEPTOR MODULATORS**
[54] **PROCEDES DE TRAITEMENT AVEC DES MODULATEURS DU RECEPTEUR S1P**
[72] BUCHER, CHRISTOPH, CH
[72] DERTSCHNIG, SIMONE, CH
[71] PRIOTHERA SAS, FR
[71] PRIOTHERA LIMITED, IE
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[87] (WO2022/162088)
[30] IB (PCT/IB2021/000033) 2021-01-28
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[25] EN
[54] **MULTI-PATH MANIFOLD WITH FLOW SWITCHES AND FLUID MIXERS**
[54] **COLLECTEUR A TRAJETS MULTIPLES DOTE DE COMMUTATEURS D'ECOULEMENT ET DE MELANGEURS DE FLUIDE**
[72] LYNN, DANIEL W., US
[71] LYNN, DANIEL W., US
[85] 2023-07-11
[86] 2021-07-30 (PCT/US2021/044022)
[87] (WO2022/154830)
[30] US (17/150,424) 2021-01-15
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[54] **SULFUR COATED FERTILIZERS WITH POLYMER COATING LAYER**
[54] **ENGRAIS REVETUS DE SOUFRE POURVU D'UNE COUCHE DE REVETEMENT POLYMERE**
[72] VANNUYS, PETRA LEONARDA HENDRICA, NL
[72] SIJSTERMANS, SUSAN TINE KATHELYNE, NL
[72] MORA, ANTONIO MANUEL GIL, NL
[72] HERNANDEZ MARTINEZ, JESUS, BE
[72] PAQUAIJ, JOSEPHUS BARBARA GERARDUS, NL
[72] OUT, GERARDUS JACOBUS JOSEPH, NL
[71] EVERRIS INTERNATIONAL B.V., NL
[85] 2023-07-12
[86] 2022-01-19 (PCT/EP2022/051107)
[87] (WO2022/157184)
[30] EP (21152416.0) 2021-01-19
[30] EP (21197479.5) 2021-09-17

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[13] A1
[25] EN
[54] **APPARATUS FOR INSERTING AND POSITIONING A PIPELINE LINING IN A PIPE AND METHOD FOR INSERTING AND POSITIONING A PIPELINE LINING IN A PIPE**
[54] **APPAREIL D'INSERTION ET DE POSITIONNEMENT D'UN REVETEMENT DE PIPELINE DANS UN TUYAU ET PROCEDE D'INSERTION ET DE POSITIONNEMENT D'UN REVETEMENT DE PIPELINE DANS UN TUYAU**
[72] BOLLER, DANIEL, CH
[71] BODUS GMBH, CH
[85] 2023-08-11
[86] 2022-02-08 (PCT/EP2022/053005)
[87] (WO2022/171622)
[30] EP (21156936.3) 2021-02-12

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[51] **Int.Cl. H01Q 9/02 (2006.01) H01Q 1/38 (2006.01) H01Q 21/06 (2006.01)**
[25] EN
[54] **ULTRAWIDEBAND HYPERFLAT AND MESH GRID SISO/MIMO ANTENNA**
[54] **ANTENNE SISO/MIMO A RESEAU MAILLE, HYPERPLATE, A BANDE ULTRA LARGE**
[72] DADGARPOUR, ABDOLMEHDI, CA
[72] FARZANEH, SADEGH, CA
[72] JOLANI, FARID, CA
[72] LOVE, JULIE, CA
[72] VAN BEEK, JACCO, CA
[72] WIXON, BRIAN, US
[71] GALTRONICS USA, INC., US
[85] 2023-07-11
[86] 2021-12-30 (PCT/US2021/065687)
[87] (WO2022/154969)
[30] US (63/136,437) 2021-01-12

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[13] A1
[51] **Int.Cl. A61K 39/245 (2006.01) C07K 14/035 (2006.01)**
[25] EN
[54] **THERAPEUTIC VIRAL VACCINE**
[54] **VACCIN VIRAL THERAPEUTIQUE**
[72] MOLS, JOHANN F., BE
[72] TOUSSAINT, MARIE, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2023-07-12
[86] 2022-01-18 (PCT/EP2022/051032)
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[30] EP (21152594.4) 2021-01-20

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[51] **Int.Cl. F16F 15/31 (2006.01) F03G 3/08 (2006.01) F16C 32/04 (2006.01) F16F 15/315 (2006.01) H02K 7/02 (2006.01) H02K 7/06 (2006.01) H02K 7/10 (2006.01)**
[25] EN
[54] **HOLLOW, MAGNETIC FLYWHEEL AND RELATED GENERATOR SYSTEMS**
[54] **VOLANT D'INERTIE MAGNETIQUE CREUX ET SYSTEMES GENERATEURS ASSOCIES**
[72] KESLER, KRIS, US
[71] MATTUR HOLDINGS, INC., US
[85] 2023-07-11
[86] 2022-01-06 (PCT/US2022/011478)
[87] (WO2022/159279)
[30] US (63/140,057) 2021-01-21

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **CONNECTING SKIRT FOR ATTACHING A LEAFLETTO A FRAME OF A PROSTHETIC HEART VALVE**
[54] **JUPE DE LIAISON PERMETTANT DE FIXER UN FEUILLET AU CADRE D'UNE VALVULE CARDIAQUE PROTHETIQUE**
[72] CORONA, JEANETTE JASMINE, US
[72] DALBOW, BRENDAN MICHAEL, US
[72] SENESH, GIL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-07-11
[86] 2022-01-19 (PCT/US2022/012873)
[87] (WO2022/159427)
[30] US (63/139,514) 2021-01-20

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[13] A1
[51] **Int.Cl. B60L 15/20 (2006.01) B62K 11/00 (2013.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING VEHICLE PERFORMANCE ATTRIBUTES**
[54] **SYSTEME DE COMMANDE D'ATTRIBUTS DE PERFORMANCE DE VEHICULE**
[72] CREWSE, LEGRAND, US
[72] PFONDEVIDA, JOSE, US
[71] SUPER73, INC., US
[85] 2023-07-11
[86] 2022-01-10 (PCT/US2022/011770)
[87] (WO2022/150682)
[30] US (17/145,859) 2021-01-11

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[51] **Int.Cl. D21J 5/00 (2006.01) B29C 51/00 (2006.01)**
[25] EN
[54] **A METHOD FOR FORMING CELLULOSE PRODUCTS IN A FORMING MOULD SYSTEM FROM A CELLULOSE BLANK STRUCTURE, A FORMING MOULD SYSTEM, AND A CELLULOSE BLANK STRUCTURE**
[54] **PROCEDE DE FORMAGE DE PRODUITS DE CELLULOSE DANS UN SYSTEME DE MOULE DE FORMAGE A PARTIR D'UNE STRUCTURE D'EBAUCHE DE CELLULOSE, SYSTEME DE MOULE DE FORMAGE ET STRUCTURE D'EBAUCHE DE CELLULOSE**
[72] LARSSON, OVE, SE
[72] GUIDOTTI, EDWARD, SE
[72] HOGBLOM, OLLE, SE
[71] PULPAC AB, SE
[85] 2023-07-12
[86] 2022-01-05 (PCT/EP2022/050164)
[87] (WO2022/152609)
[30] EP (21152151.3) 2021-01-18

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/03 (2006.01) A61K 31/18 (2006.01) A61K 31/473 (2006.01) A61K 31/551 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FUCHS ENDOTHELIAL CORNEAL DYSTROPHY AFTER DESCEMETORHEXIS**
[54] **PROCEDES DE TRAITEMENT DE LA DYSTROPHIE CORNEENNE ENDOTHELIALE DE FUCHS APRES UN DESCEMETORHEXIS**
[72] GORDON, GARY, US
[72] SUEHIRA, KAZUHITO, US
[71] KOWA COMPANY, LTD., JP
[85] 2023-07-11
[86] 2022-01-20 (PCT/US2022/013045)
[87] (WO2022/159533)
[30] US (63/139,993) 2021-01-21

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[13] A1
[51] **Int.Cl. A01C 7/10 (2006.01) A01B 79/00 (2006.01) A01C 21/00 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MEASURING DUTY CYCLE AND PULSE FREQUENCY OF SENSORS TO DETERMINE SEED OR PARTICLE METRICS**
[54] **PROCEDES ET SYSTEMES POUR MESURER UN CYCLE DE SERVICE ET UNE FREQUENCE D'IMPULSION DE CAPTEURS AFIN DE DETERMINER DES METRIQUES DE GRAINE OU DE PARTICULE**
[72] O'ROURKE, BRENDAN, US
[72] FRANK, WILLIAM, US
[72] GRAY, TANNER, US
[72] JELLISON, JONATHON, US
[72] ALLGAIER, RYAN, US
[71] PRECISION PLANTING LLC, US
[85] 2023-07-12
[86] 2022-02-14 (PCT/IB2022/051291)
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[30] US (63/159,993) 2021-03-12
[30] US (63/183,118) 2021-05-03

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61L 27/54 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHODS FOR THE EX VIVO INDUCTION OF TISSUE REGENERATION IN MICROBIOPSIES**
[54] **PROCEDES D'INDUCTION EX VIVO DE REGENERATION TISSULAIRE DANS DES MICROBIOPSIES**
[72] WEST, MICHAEL D., US
[71] AGEX THERAPEUTICS, INC., US
[85] 2023-07-11
[86] 2022-01-11 (PCT/US2022/012017)
[87] (WO2022/155147)
[30] US (63/136,515) 2021-01-12

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-EGFR ANTIBODY-DRUG CONJUGATES**
[54] **CONJUGUES ANTICORPS-MEDICAMENT ANTI-EGFR**
[72] BOGHAERT, ERWIN, US
[72] BRUNCKO, MILAN, US
[72] PHILLIPS, ANDREW, US
[72] SOUERS, ANDREW, US
[72] IZERADJENE, KAMEL, US
[72] HARLAN, JOHN, US
[71] ABBVIE INC., US
[85] 2023-07-11
[86] 2022-01-20 (PCT/US2022/013121)
[87] (WO2022/159576)
[30] US (63/139,766) 2021-01-20

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[13] A1
[51] **Int.Cl. B60K 37/06 (2006.01) B62D 1/24 (2006.01) B62D 6/00 (2006.01) B62D 33/08 (2006.01)**
[25] EN
[54] **MULTI-OPERATIONAL LAND DRONE**
[54] **DRONE TERRESTRE MULTIFONCTIONNEL**
[72] BUCHER, TIMOTHY, US
[72] HOLMES, STEVEN, US
[72] EAGER, TERRIN, US
[71] AGTONOMY, US
[85] 2023-07-11
[86] 2022-01-11 (PCT/US2022/012057)
[87] (WO2022/150793)
[30] US (63/136,197) 2021-01-11
[30] US (63/164,096) 2021-03-22
[30] US (63/210,592) 2021-06-15

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[13] A1
[51] **Int.Cl. A01K 67/02 (2006.01) A61K 35/52 (2015.01) A61K 35/54 (2015.01) A61K 38/51 (2006.01) A61P 15/08 (2006.01)**
[25] EN
[54] **ENHANCED BIRTH RATES**
[54] **TAUX DE NATALITE AMELIORES**
[72] HODGKINSON, STEVEN CHARLES, NZ
[72] BACKHAUS, MAX DANIEL, NZ
[71] SYNTHASE BIOTECH LIMITED, NZ
[85] 2023-08-11
[86] 2021-12-15 (PCT/NZ2021/050222)
[87] (WO2022/173313)
[30] US (63/148,476) 2021-02-11

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[13] A1
[51] **Int.Cl. F41A 21/28 (2006.01) F41A 21/36 (2006.01)**
[25] EN
[54] **BLAST ATTENUATION DEVICE**
[54] **DISPOSITIF D'ATTENUATION D'EXPLOSION**
[72] LEWIN, RICHARD PETER, GB
[72] GRIFFITH, PETER ANDREW, GB
[71] BAE SYSTEMS PLC, GB
[85] 2023-07-12
[86] 2022-01-07 (PCT/GB2022/050023)
[87] (WO2022/153035)
[30] GB (2100374.4) 2021-01-12

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED HASHTAG HIERARCHICAL ONTOLOGY GENERATION FROM SOCIAL MEDIA DATA**
[54] **SYSTEME ET PROCEDE DE GENERATION D'ONTOLOGIE HIERARCHIQUE DE MOTS-CLICS AUTOMATISEE A PARTIR DE DONNEES DE MEDIAS SOCIAUX**
[72] TORENE, SPENCER BRADLEY, US
[72] HOWALD, BLAKE STEPHEN, US
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2023-07-11
[86] 2022-01-21 (PCT/US2022/013362)
[87] (WO2022/159735)
[30] US (63/140,461) 2021-01-22

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[13] A1
[51] **Int.Cl. C22C 21/00 (2006.01) C22F 1/04 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **HIGH STRENGTH, SAG RESISTANT ALUMINUM ALLOYS FOR USE AS FIN STOCK AND METHODS OF MAKING THE SAME**
[54] **ALLIAGES D'ALUMINIUM RESISTANTS A L'AFFAISSEMENT ET A HAUTE RESISTANCE DESTINES A ETRE UTILISES EN TANT QUE STOCK D'AILETTES ET LEURS PROCEDES DE FABRICATION**
[72] KADALI, JYOTHI, US
[72] SIMIELLI, EIDER A., US
[71] NOVELIS INC., US
[85] 2023-07-11
[86] 2022-01-12 (PCT/US2022/070150)
[87] (WO2022/165454)
[30] US (63/199,900) 2021-02-01

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[13] A1
[51] **Int.Cl. C12N 9/24 (2006.01) A61K 38/47 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING FABRY DISEASE**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA MALADIE DE FABRY**
[72] ARMOUR, SEAN, US
[72] COHEN, DANIEL, US
[72] RILING, CHRISTOPHER, US
[71] SPARK THERAPEUTICS, INC., US
[85] 2023-07-11
[86] 2022-01-13 (PCT/US2022/070184)
[87] (WO2022/155665)
[30] US (63/137,235) 2021-01-14
[30] US (63/264,356) 2021-11-19

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[13] A1
[51] **Int.Cl. A01M 7/00 (2006.01) B05B 7/00 (2006.01) B05B 12/14 (2006.01)**
[25] EN
[54] **SPRAYER SYSTEM**
[54] **SYSTEME PULVERISATEUR**
[72] STUBER, LUKE, US
[72] HERRMANN, TRISTAN, US
[72] STOLLER, JASON, US
[72] PLATTNER, CHAD, US
[71] PRECISION PLANTING LLC, US
[85] 2023-07-12
[86] 2022-02-11 (PCT/IB2022/051220)
[87] (WO2022/180477)
[30] US (63/153,621) 2021-02-25

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[13] A1
[51] **Int.Cl. E03D 5/10 (2006.01) G05B 19/042 (2006.01) G05D 9/12 (2006.01)**
[25] EN
[54] **A WATER CONSUMER SYSTEM HAVING A WATER CONSUMER, AND METHOD FOR OPERATING A WATER CONSUMER SYSTEM**
[54] **SYSTEME DE CONSOMMATION D'EAU DOTE D'UN CONSOMMATEUR D'EAU ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE CONSOMMATION D'EAU**
[72] CUMMINGS, STEPHEN JOHN, AU
[72] FRITZSCHE, MICHAEL, DE
[72] EBERT, MARK, DE
[71] CAROMA INDUSTRIES LIMITED, AU
[71] MICAS AG, DE
[85] 2023-08-11
[86] 2022-03-15 (PCT/AU2022/050219)
[87] (WO2022/192942)
[30] AU (2021900738) 2021-03-15

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[13] A1
[51] **Int.Cl. H02S 20/23 (2014.01) H02S 20/24 (2014.01) F24S 20/67 (2018.01) E04D 13/18 (2018.01) H01L 31/042 (2014.01) H01L 31/048 (2014.01)**
[25] EN
[54] **ROOFING SYSTEMS, ROOFING SYSTEMS WITH INTEGRATED SOLAR RACKING SYSTEMS, ROOFING SYSTEM COMPONENTS, AND RELATED METHODS**
[54] **SYSTEMES DE TOITURE, SYSTEMES DE TOITURE COMPORTANT DES SYSTEMES DE SUPPORT SOLAIRE INTEGRES, ELEMENTS DE SYSTEME DE TOITURE ET PROCEDES ASSOCIES**
[72] VERNER, CHRISTOPHER L., US
[71] INFINITY RACK LLC, US
[85] 2023-08-11
[86] 2022-02-17 (PCT/US2022/016881)
[87] (WO2022/178189)
[30] US (63/150,569) 2021-02-17

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[13] A1
[51] **Int.Cl. A61L 29/06 (2006.01) A61L 29/14 (2006.01) A61L 29/16 (2006.01) C08L 75/04 (2006.01)**
[25] EN
[54] **POLYURETHANE BASED MEDICAL ARTICLES**
[54] **ARTICLES MEDICAUX A BASE DE POLYURETHANE**
[72] BAI, HE, US
[72] WEIMER, MARC W., US
[72] FREASIER, JAMES, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-08-11
[86] 2022-02-25 (PCT/US2022/017870)
[87] (WO2022/182969)
[30] US (63/153,805) 2021-02-25

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[13] A1
[51] **Int.Cl. A61B 5/1473 (2006.01) A61B 5/1486 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A MEMBRANE PROPERTY OF AN ANALYTE SENSOR**
[54] **PROCEDE DE DETERMINATION D'UNE PROPRIETE DE MEMBRANE D'UN CAPTEUR D'ANALYTE**
[72] SLIOZBERG, KIRILL, DE
[72] WEHOWSKI, FREDERIC, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2023-08-11
[86] 2022-02-23 (PCT/EP2022/054579)
[87] (WO2022/180130)
[30] EP (21159658.0) 2021-02-26

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[13] A1
[51] **Int.Cl. H04L 67/2895 (2022.01)**
[25] EN
[54] **UNIFORMITY OF INSTRUCTIONS FOR CONTENT REQUESTS AND RESPONSES IN A CONTENT DELIVERY NETWORK**
[54] **UNIFORMITE D'INSTRUCTIONS POUR DES DEMANDES ET DES REPONSES DE CONTENU DANS UN RESEAU DE DISTRIBUTION DE CONTENU**
[72] CROWDER, WILLIAM, US
[72] JENSEN, DANIEL, US
[72] JAKOBOWSKI, PAWEL, US
[72] LIPSTONE, LAURENCE, US
[72] POWER, WILLIAM, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2023-08-11
[86] 2021-06-29 (PCT/US2021/039568)
[87] (WO2022/182384)
[30] US (63/153,134) 2021-02-24

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[13] A1
[51] **Int.Cl. H04W 16/20 (2009.01) H04W 16/26 (2009.01)**
[25] EN
[54] **INSTALLATION OF REPEATERS FOR A MILLIMETER WAVE COMMUNICATIONS NETWORK**
[54] **INSTALLATION DE REPETEURS POUR UN RESEAU DE COMMUNICATION A ONDES MILLIMETRIQUES**
[72] DEUTSCH, BRIAN MARK, US
[72] LALWANI, SAMEER, US
[72] CAVCIC, MERSAD, US
[72] MILLS, BRETT DANIEL, US
[71] PIVOTAL COMMWARE, INC., US
[85] 2023-08-11
[86] 2022-01-14 (PCT/US2022/012613)
[87] (WO2022/155529)
[30] US (63/138,306) 2021-01-15
[30] US (17/576,832) 2022-01-14

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/54 (2017.01) C07C 219/02 (2006.01) C07C 229/16 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING OF LIPIDS**
[54] **PROCEDES DE PRODUCTION DE LIPIDES**
[72] BROWN, ADAM ROSS, US
[72] EISENBEIS, SHANE ALLEN, US
[72] HUBBELL, ARAN KATHLEEN, US
[72] LI, RUIZHI, US
[72] REYES, GISELLE PADILLA, US
[72] ROOSEN, PHILIPP CHRISTOPHER, US
[71] PFIZER INC., US
[85] 2023-07-12
[86] 2022-01-12 (PCT/IB2022/050207)
[87] (WO2022/153187)
[30] US (63/138,086) 2021-01-15
[30] US (63/178,411) 2021-04-22

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[13] A1
[51] **Int.Cl. B25H 7/00 (2006.01) F16L 1/06 (2006.01) F16L 3/26 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **CONDUIT ALIGNMENT TOOLS AND METHODS**
[54] **PROCEDES ET OUTILS D'ALIGNEMENT DE CONDUITS**
[72] MORRIS, RYAN, CA
[71] PIPE-PAL HOLDINGS INC., CA
[85] 2023-07-12
[86] 2022-01-20 (PCT/CA2022/050084)
[87] (WO2022/155744)
[30] US (63/140,699) 2021-01-22

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[13] A1
[51] **Int.Cl. C10G 47/16 (2006.01) B01J 29/72 (2006.01) B01J 29/76 (2006.01) B01J 29/78 (2006.01) C10G 47/18 (2006.01) C10G 47/20 (2006.01)**
[25] EN
[54] **PROCESS USING MOLECULAR SIEVE SSZ-91 HYDROCRACKING CATALYST**
[54] **PROCEDE UTILISANT UN CATALYSEUR D'HYDROCRAQUAGE A TAMIS MOLECULAIRE SSZ-91**
[72] DUMA, VIOREL, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[72] YOON, HYUNGJAE ALEXANDER, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-12
[86] 2022-01-17 (PCT/IB2022/050354)
[87] (WO2022/153265)
[30] US (63/138,786) 2021-01-18

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[13] A1
[51] **Int.Cl. A61B 18/26 (2006.01) A61B 1/04 (2006.01) A61B 1/07 (2006.01) A61B 5/00 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TREATMENT OF HUMAN STONES**
[54] **SYSTEME ET METHODE DE TRAITEMENT DE CALCULS HUMAINS**
[72] LAMRINI, SAMIR, DE
[72] MUEHLKE, THORSTEN, DE
[72] CHRISTOPH, BJOERN, DE
[71] LISA LASER PRODUCTS GMBH, DE
[85] 2023-07-13
[86] 2022-01-14 (PCT/EP2022/050751)
[87] (WO2022/152849)
[30] US (63/137,557) 2021-01-14

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[51] **Int.Cl. C07H 7/02 (2006.01) A61K 31/7028 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) C07H 15/18 (2006.01)**
[25] EN
[54] **CYCLIC GLYCOAMINOACID DERIVATIVES**
[54] **DERIVES DE GLYCOAMINOACIDES CYCLIQUES**
[72] DELIENCOURT GODEFROY, GERALDINE, FR
[72] LEGOEDEC, JOCELYNE, FR
[72] LOPES, LENAIG, FR
[71] TFCHEM, FR
[85] 2023-07-13
[86] 2022-01-20 (PCT/EP2022/051208)
[87] (WO2022/157233)
[30] EP (21305070.1) 2021-01-20

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[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01)**
[25] EN
[54] **METHODS FOR HIGH THROUGHPUT SCREENING OF CHIMERIC ANTIGEN RECEPTORS**
[54] **PROCEDES DE CRIBLAGE A HAUT RENDEMENT DE RECEPTEURS CHIMERIQUES A L'ANTIGENE**
[72] BORNSCHEIN, SIMON, GB
[72] LAMPI, YOULIA, GB
[71] CODING BIO LIMITED, GB
[85] 2023-07-13
[86] 2022-01-20 (PCT/GB2022/050158)
[87] (WO2022/157500)
[30] GB (2100754.7) 2021-01-20
[30] GB (2116519.6) 2021-11-16

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[13] A1
[51] **Int.Cl. C10G 47/00 (2006.01) C10G 21/00 (2006.01) C10G 45/46 (2006.01) C10G 45/60 (2006.01) C10G 65/04 (2006.01) C10G 65/06 (2006.01) C10G 65/08 (2006.01) C10G 65/12 (2006.01) C10G 67/04 (2006.01) C10M 101/00 (2006.01)**
[25] EN
[54] **BASE OIL PRODUCTION USING UNCONVERTED OIL**
[54] **PRODUCTION D'HUILE DE BASE A L'AIDE D'HUILE NON CONVERTIE**
[72] DUMA, VIOREL, US
[72] BHATTACHARYA, SUBHASIS, US
[72] LEI, GUAN-DAO, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-12
[86] 2022-01-17 (PCT/IB2022/050360)
[87] (WO2022/153271)
[30] US (63/138,779) 2021-01-18
[30] US (63/138,940) 2021-01-19

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[13] A1
[51] **Int.Cl. F27D 11/02 (2006.01) F27D 99/00 (2010.01) B01J 6/00 (2006.01) B01J 8/00 (2006.01) B01J 8/06 (2006.01) F27B 5/14 (2006.01)**
[25] EN
[54] **AN ELECTRICALLY HEATED APPARATUS**
[54] **APPAREIL CHAUFFE ELECTRIQUEMENT**
[72] VAN DER PLOEG, GOVERT GERARDUS PIETER, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2023-07-13
[86] 2022-02-08 (PCT/EP2022/052971)
[87] (WO2022/171603)
[30] EP (21156342.4) 2021-02-10

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[13] A1
[51] **Int.Cl. G01S 7/497 (2006.01) G01S 17/86 (2020.01) G01B 11/00 (2006.01) G01B 11/26 (2006.01) G01S 5/16 (2006.01) G01S 7/48 (2006.01) G01S 17/36 (2006.01) G01S 17/42 (2006.01) G01S 17/88 (2006.01) G01S 17/89 (2020.01)**
[25] EN
[54] **METHOD FOR DETERMINING A CURRENT POSITION AND/OR ORIENTATION OF A LASER RADAR RELATIVE TO AN OBJECT TO BE MEASURED**
[54] **PROCEDE DE DETERMINATION D'UNE POSITION ET/OU ORIENTATION ACTUELLE(S) D'UN LIDAR PAR RAPPORT A UN OBJET A MESURER**
[72] ROTVOLD, OYVIND, NO
[71] METRONOR INDUSTRIAL AS, NO
[85] 2023-07-12
[86] 2021-12-30 (PCT/EP2021/087853)
[87] (WO2022/152572)
[30] EP (21151216.5) 2021-01-12

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/505 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE**
[72] JUHNKE, MICHAEL, CH
[72] RAPP, KARIN, CH
[72] SIN, KIM-HIEN, CH
[71] NOVARTIS AG, CH
[85] 2023-07-12
[86] 2022-01-24 (PCT/IB2022/050578)
[87] (WO2022/162513)
[30] US (63/141,558) 2021-01-26
[30] US (63/240,438) 2021-09-03
[30] US (63/290,251) 2021-12-16

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01)**
[25] EN
[54] **DOWNFORCE LOAD SENSOR FOR A PLANTER ROW UNIT**
[54] **CAPTEUR DE CHARGE A FORCE DESCENDANTE POUR UNE UNITE DE RANGEE DE PLANTEUSE**
[72] LITWILLER, RILEY, US
[72] FRANK, WILLIAM, US
[71] PRECISION PLANTING LLC, US
[85] 2023-07-12
[86] 2021-11-12 (PCT/IB2021/060477)
[87] (WO2022/185114)
[30] US (63/155,644) 2021-03-02

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[13] A1
[51] **Int.Cl. A01C 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING STATE DATA FOR AGRICULTURAL PARAMETERS AND PROVIDING SPATIAL STATE MAPS**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES DONNEES D'ETAT POUR DES PARAMETRES AGRICOLES ET FOURNIR DES CARTES D'ETAT SPATIALES**
[72] ALLGAIER, RYAN, US
[72] WILCOXSON, DAVID AARON, US
[72] BANDY, EMIL, US
[71] PRECISION PLANTING LLC, US
[85] 2023-07-12
[86] 2022-01-28 (PCT/IB2022/050760)
[87] (WO2022/200869)
[30] US (63/165,364) 2021-03-24

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[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/744 (2015.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23K 10/16 (2016.01) A23L 2/52 (2006.01) A61P 19/02 (2006.01) C12N 1/20 (2006.01) A23L 9/10 (2016.01) A23L 9/20 (2016.01) A23L 21/10 (2016.01) A21D 13/45 (2017.01) A23C 9/123 (2006.01) A23C 9/152 (2006.01) A23C 19/09 (2006.01) A23D 7/00 (2006.01)**
[25] EN
[54] **JOINT FUNCTION-IMPROVING COMPOSITION**
[54] **COMPOSITION POUR AMELIORER LA FONCTION D'ARTICULATION**
[72] NAKANO, AYATAKE, JP
[72] YASUEDA, TAKEHIKO, JP
[72] SETO, YASUYUKI, JP
[71] MEGMILK SNOW BRAND CO., LTD., JP
[85] 2023-07-13
[86] 2022-01-07 (PCT/JP2022/000313)
[87] (WO2022/163323)
[30] JP (2021-010460) 2021-01-26

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[13] A1
[51] **Int.Cl. B01J 31/28 (2006.01) B01J 37/00 (2006.01)**
[25] EN
[54] **PALLADIUM COMPLEX AND CATALYST EMBODIMENTS AND METHODS OF MAKING AND USING THE SAME**
[54] **MODES DE REALISATION DE CATALYSEURS ET DE COMPLEXE DE PALLADIUM ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LEITCH, DAVID, CA
[72] HUANG, JINGJUN, CA
[72] ISAAC, MATTHEW, CA
[72] WATT, RYAN, CA
[71] UVIC INDUSTRY PARTNERSHIPS INC., CA
[85] 2023-07-12
[86] 2022-01-11 (PCT/IB2022/050196)
[87] (WO2022/153180)
[30] US (63/136,456) 2021-01-12

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[13] A1
[51] **Int.Cl. A23D 9/04 (2006.01) A23D 9/00 (2006.01)**
[25] EN
[54] **COLORATION INHIBITOR, METHOD FOR PRODUCING COLORATION INHIBITOR, EDIBLE OIL AND FAT COMPOSITION, AND METHOD FOR INHIBITING COLORATION OF FOOD PRODUCT**
[54] **INHIBITEUR DE COLORATION, PROCEDE DE PRODUCTION D'UN INHIBITEUR DE COLORATION, COMPOSITION D'HUILE ET GRAISSE COMESTIBLE ET PROCEDE D'INHIBITION DE LA COLORATION D'UN PRODUIT ALIMENT AIRE**
[72] SEKIGUCHI, TAKEHIKO, JP
[72] MAEDA, AYAKO, JP
[72] INOUE, MASAMI, JP
[71] J-OIL MILLS, INC., JP
[85] 2023-07-12
[86] 2022-01-13 (PCT/JP2022/000978)
[87] (WO2022/163370)
[30] JP (2021-010802) 2021-01-27

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[13] A1
[51] **Int.Cl. B65B 69/00 (2006.01)**
[25] EN
[54] **METHOD FOR UNDRESSING A PALLET AND RELATED APPARATUS**
[54] **PROCEDE DE RETRAIT DE FILM D'UNE PALETTE ET APPAREIL ASSOCIE**
[72] ROCCHETTA, PAOLO, IT
[72] FERRETTI, ALESSANDRO, IT
[71] EMS GROUP S.P.A., IT
[85] 2023-07-12
[86] 2022-01-12 (PCT/IB2022/050203)
[87] (WO2022/153184)
[30] IT (102021000000482) 2021-01-12
[30] IT (102021000031688) 2021-12-17

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[13] A1
[51] **Int.Cl. G07D 11/125 (2019.01)**
[25] EN
[54] **STORAGE APPARATUS**
[54] **APPAREIL DE STOCKAGE**
[72] SHUTE, NEIL ALEXANDER, GB
[71] VOLUMATIC LIMITED, GB
[85] 2023-07-13
[86] 2022-01-28 (PCT/GB2022/050235)
[87] (WO2022/162383)
[30] GB (2101221.6) 2021-01-28

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **INTERCOMMISSURAL LEAFLET SUPPORT**
[54] **SUPPORT DE FEUILLET INTERCOMMISSURAL**
[72] HERMAN, YARON, IL
[71] EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD., IL
[85] 2023-07-13
[86] 2022-01-02 (PCT/IB2022/050008)
[87] (WO2022/153131)
[30] US (63/138,299) 2021-01-15

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[13] A1
[51] **Int.Cl. G01N 33/03 (2006.01) G06N 20/00 (2019.01) A47J 37/12 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **LEARNING DEVICE, PREDICTION DEVICE, LEARNING METHOD, PROGRAM, AND LEARNING SYSTEM**
[54] **DISPOSITIF D'APPRENTISSAGE, DISPOSITIF DE PREDICTION, PROCEDE D'APPRENTISSAGE, PROGRAMME ET SYSTEME D'APPRENTISSAGE**
[72] KAKIMOTO, KENICHI, JP
[72] WATANABE, RYOHEI, JP
[72] TAKASAKI, AYATO, JP
[72] INOUE, MASAMI, JP
[71] J-OIL MILLS, INC., JP
[85] 2023-07-12
[86] 2022-01-18 (PCT/JP2022/001589)
[87] (WO2022/163435)
[30] JP (2021-014398) 2021-02-01

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 47/54 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 43/00 (2006.01) C07K 1/00 (2006.01) C07K 14/00 (2006.01) C07K 19/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **COMPOUND OR SALT THEREOF, AND ANTIBODY OBTAINED BY USING THE SAME**
[54] **COMPOSE OU SON SEL, ET ANTICORPS AINSI OBTENU**
[72] FUJII, TOMOHIRO, JP
[72] YAMADA, KEI, JP
[72] MATSUDA, YUTAKA, JP
[72] HIRAMA, RYUSUKE, JP
[72] HATADA, NORIKO, JP
[71] AJINOMOTO CO., INC., JP
[85] 2023-07-13
[86] 2022-01-18 (PCT/JP2022/001617)
[87] (WO2022/154127)
[30] JP (2021-005763) 2021-01-18

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[13] A1
[51] **Int.Cl. F02M 31/00 (2006.01) B01D 47/10 (2006.01) B01D 47/14 (2006.01) B01D 53/00 (2006.01) B01D 53/14 (2006.01) C01B 3/02 (2006.01) F04B 39/16 (2006.01)**
[25] EN
[54] **FUEL GAS CONDITIONING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONDITIONNEMENT DE GAZ COMBUSTIBLE**
[72] NELLE, WILL, US
[71] ESTIS COMPRESSION, LLC, US
[85] 2023-07-12
[86] 2021-12-09 (PCT/US2021/062508)
[87] (WO2022/197338)
[30] US (17/202,009) 2021-03-15

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[13] A1
[51] **Int.Cl. B28D 7/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MOVING PAIRS OF WORKPIECES HAVING A ROUGH FACE AND AN OPPOSITE FINISHED FACE**
[54] **APPAREIL ET PROCEDE POUR DEPLACER DES PAIRES DE PIECES AYANT UNE FACE RUGUEUSE ET UNE FACE FINIE OPPOSEE**
[72] MEDINA, RICCARDO, IT
[72] GUAZZONI, SIMONE, IT
[72] COMELLI, DAVIDE, IT
[71] GMM S.P.A., IT
[85] 2023-07-13
[86] 2022-01-11 (PCT/IB2022/050168)
[87] (WO2022/153167)
[30] IT (102021000000497) 2021-01-13

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[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) G10L 25/78 (2013.01) A63H 3/28 (2006.01) G08B 21/02 (2006.01)**
[25] EN
[54] **AN AUDIO DEVICE, METHOD AND SYSTEM FOR ALLEVIATING SYMPTOMS OF COLIC IN INFANTS**
[54] **DISPOSITIF AUDIO, METHODE ET SYSTEME POUR ATTENUER LES SYMPTOMES DE LA COLIQUE CHEZ LES NOURRISSONS**
[72] LARSEN, ELENI MENTI, NO
[71] COLIC BUTTON AS, NO
[85] 2023-07-13
[86] 2021-12-23 (PCT/NO2021/050283)
[87] (WO2022/154667)
[30] NO (20210050) 2021-01-14

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[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) C07K 16/00 (2006.01) A61K 47/64 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOUND OR SALT THEREOF, AND ANTIBODY OBTAINED BY USING THE SAME**
[54] **COMPOSE OU SON SEL, ET ANTICORPS PRODUIT A L'AIDE DE CELUI-CI**
[72] HATADA, NORIKO, JP
[72] YAMADA, KEI, JP
[72] MATSUDA, YUTAKA, JP
[72] FUJII, TOMOHIRO, JP
[71] AJINOMOTO CO., INC., JP
[85] 2023-07-13
[86] 2022-01-17 (PCT/JP2022/001358)
[87] (WO2022/154116)
[30] JP (2021-005762) 2021-01-18

[21] **3,208,297**
[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **FISH CAGE DEVICE COMPRISING SPHERICAL FISH CAGE**
[54] **DISPOSITIF DE CAGE A POISSONS COMPRENANT UNE CAGE A POISSONS SPHERIQUE**
[72] KROKEN, GEIR, NO
[72] KROKEN, ELIAS N., NO
[71] KROKEN, GEIR, NO
[85] 2023-07-13
[86] 2022-01-24 (PCT/NO2022/050019)
[87] (WO2022/158984)
[30] NO (20210090) 2021-01-25

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[13] A1
[51] **Int.Cl. C23C 4/11 (2016.01) C23C 4/126 (2016.01) C23C 4/129 (2016.01) C23C 4/134 (2016.01) F01D 5/28 (2006.01) F01D 11/12 (2006.01)**
[25] EN
[54] **COMPOSITE THERMAL SPRAY POWDER OF OXIDES AND NON-OXIDES**
[54] **POUDRE DE PULVERISATION THERMIQUE COMPOSITE D'OXYDES ET DE NON-OXYDES**
[72] WILSON, SCOTT, CH
[72] SZYNDELMAN, GREGORY, CH
[72] BARTH, ALEXANDER, DE
[72] LEE, HWASOO, US
[71] OERLIKON METCO (US) INC., US
[85] 2023-07-12
[86] 2022-01-11 (PCT/US2022/011982)
[87] (WO2022/155134)
[30] US (63/136,413) 2021-01-12

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[13] A1
[51] **Int.Cl. A61K 31/60 (2006.01) C12N 5/078 (2010.01) A61K 31/52 (2006.01) A61K 31/70 (2006.01)**
[25] EN
[54] **SMALL MOLECULES FOR REPROGRAMING ANTI-TUMOR IMMUNITY OF T CELLS**
[54] **PETITES MOLECULES PERMETTANT LA REPROGRAMMATION DE L'IMMUNITE ANTITUMORALE DE CELLULES T**
[72] WU, PENG, US
[72] SHI, YUJIE, US
[72] HOU, YINGQIN, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2023-07-12
[86] 2022-01-11 (PCT/US2022/012029)
[87] (WO2022/155151)
[30] US (63/136,585) 2021-01-12

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[13] A1
[51] **Int.Cl. F41G 1/38 (2006.01) F41G 1/473 (2006.01) G02B 7/00 (2021.01) G02B 7/02 (2021.01) G02B 23/10 (2006.01) G02B 23/16 (2006.01)**
[25] EN
[54] **RIFLE SCOPE WITH DUAL CANTING INDICATORS**
[54] **LUNETTE DE VISEE AVEC DOUBLE INDICATEUR D'INCLINAISON**
[72] MCCALL, JOHN, A., JR., US
[72] SAKAI, KENSUKE, JP
[71] MCCALL, JOHN, A., JR., US
[85] 2023-07-12
[86] 2022-01-14 (PCT/US2022/012572)
[87] (WO2022/155502)
[30] US (63/137,453) 2021-01-14
[30] US (17/576,648) 2022-01-14

[21] **3,208,302**
[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **SUBMERSIBLE FISH CAGE FOR SEA-BASED FISH FARMING**
[54] **CAGE A POISSONS SUBMERSIBLE POUR L'ELEVAGE DE POISSONS EN MER**
[72] LYSSAND, MORTEN, NO
[71] SUBFARM AS, NO
[85] 2023-07-13
[86] 2022-01-31 (PCT/NO2022/050027)
[87] (WO2022/164327)
[30] NO (20210119) 2021-02-01

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **VARIANT STRAIN-BASED CORONAVIRUS VACCINES**
[54] **VACCINS ANTI-CORONAVIRUS A BASE DE SOUCHE VARIANTE**
[72] CARFI, ANDREA, US
[72] BENNETT, HAMILTON, US
[72] EDWARDS, DARIN, US
[72] STEWART-JONES, GUILLAUME, US
[72] WU, KAI, US
[72] REID, DAVID, US
[72] CHUANG, GWO-YU, US
[71] MODERNATX, INC., US
[85] 2023-07-13
[86] 2022-01-14 (PCT/US2022/012614)
[87] (WO2022/155530)
[30] US (63/138,228) 2021-01-15
[30] US (63/140,920) 2021-01-24
[30] US (63/161,433) 2021-03-15
[30] US (63/173,979) 2021-04-12
[30] US (63/193,547) 2021-05-26
[30] US (63/222,925) 2021-07-16
[30] US (63/241,963) 2021-09-08
[30] US (63/283,905) 2021-11-29
[30] US (63/284,570) 2021-11-30

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[13] A1
[51] **Int.Cl. A23L 2/00 (2006.01) A23L 2/38 (2021.01) A23L 2/56 (2006.01)**
[25] EN
[54] **LOW ALCOHOL BEER-TASTE BEVERAGE**
[54] **BOISSON AU GOUT DE BIERE A FAIBLE TENEUR EN ALCOOL**
[72] NAKAYAMA, WATARU, JP
[72] MATSUSHIMA, TAKEMASA, JP
[72] NAKAKAWAJI, SHINGO, JP
[71] ASAHI GROUP HOLDINGS, LTD., JP
[85] 2023-07-13
[86] 2022-01-21 (PCT/JP2022/002159)
[87] (WO2022/163521)
[30] JP (2021-012326) 2021-01-28

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[13] A1
[51] **Int.Cl. D21F 11/02 (2006.01) D21F 1/48 (2006.01) D21F 9/02 (2006.01) D21H 21/56 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING 3D FIBER STRUCTURES**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE STRUCTURES DE FIBRES 3D**
[72] ALIMADADI, MAJID, SE
[71] FIBU AB, SE
[85] 2023-07-13
[86] 2022-01-19 (PCT/SE2022/050055)
[87] (WO2022/159019)
[30] SE (2150053-3) 2021-01-19

[21] **3,208,306**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/00 (2006.01) A61F 2/08 (2006.01)**
[25] EN
[54] **SOFT TISSUE IMPLANTS, INSTRUMENTATION, AND METHODS**
[54] **IMPLANTS DE TISSU MOU, INSTRUMENTATION ET METHODES**
[72] DACOSTA, ALBERT, US
[72] MAJORS, BENJAMIN, US
[72] DEVASCONCELLOS, PAUL, US
[72] HARTSON, KYLE JAMES, US
[72] ALLARD, RANDY, US
[71] PARAGON 28, INC., US
[85] 2023-07-13
[86] 2022-01-21 (PCT/US2022/013302)
[87] (WO2022/159695)
[30] US (63/140,596) 2021-01-22

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[13] A1
[51] **Int.Cl. A47F 3/00 (2006.01) A47F 3/04 (2006.01) A47F 3/12 (2006.01) A47F 3/14 (2006.01) A47F 11/00 (2006.01) A47F 11/10 (2006.01) B42F 21/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXHIBITING DIVERSE PRODUCTS WITH A LABEL RAIL SYSTEM**
[54] **SYSTEME ET PROCEDE DE PRESENTATION DE PRODUITS DIVERS A L'AIDE D'UN SYSTEME DE RAIL D'ETIQUETTES**
[72] KOPP, GRAHAM MICHAEL, US
[71] SMITHSONIAN INSTITUTION, US
[85] 2023-07-12
[86] 2022-01-14 (PCT/US2022/012625)
[87] (WO2022/155537)
[30] US (63/138,062) 2021-01-15

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[13] A1
[51] **Int.Cl. F28D 1/047 (2006.01) F28D 7/08 (2006.01) F28F 1/00 (2006.01)**
[25] EN
[54] **INDIRECT HEAT EXCHANGER PRESSURE VESSEL WITH CONTROLLED WRINKLE BENDS**
[54] **RESERVOIR A PRESSION D'ECHANGEUR DE CHALEUR INDIRECT DOTE DE COUDES A PLIS REGLES**
[72] PARKER, DANIEL E., US
[72] DAMLE, ADVAIT, US
[72] MORRISON, FRANK T., US
[71] BALTIMORE AIRCOIL COMPANY, INC., US
[85] 2023-07-13
[86] 2022-01-14 (PCT/US2022/012524)
[87] (WO2022/155475)
[30] US (63/138,655) 2021-01-18
[30] US (63/270,953) 2021-10-22

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[13] A1
[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/00 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HOLDING PROSTHETIC IMPLANTS**
[54] **SYSTEMES ET PROCEDES DE MAINTIEN D'IMPLANTS PROTHETIQUES**
[72] DALBOW, BRENDAN MICHAEL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-07-12
[86] 2022-01-20 (PCT/US2022/013166)
[87] (WO2022/159609)
[30] US (63/140,004) 2021-01-21

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[13] A1
[51] **Int.Cl. A61G 5/04 (2013.01)**
[25] EN
[54] **ARTICULATED MOTOR SUPPORT FOR WHEELCHAIR**
[54] **SUPPORT DE MOTEUR ARTICULE POUR FAUTEUIL ROULANT**
[72] FERON, GABRIEL, CA
[72] BLEAU, ALEXANDRE, CA
[72] CHEVIGNY, ALAIN, CA
[72] ETHIER, PIER ALEXANDRE, CA
[72] GUILBAULT, CAMILLE, CA
[72] PALMER, BENJAMIN, CA
[72] PROUS, MIKAEL, CA
[72] STEFANI, ALEXANDRE, CA
[71] MOTION COMPOSITES INC., CA
[85] 2023-07-14
[86] 2022-01-14 (PCT/CA2022/050053)
[87] (WO2022/150923)
[30] US (63/137,798) 2021-01-15

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[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 7/10 (2006.01)**
[25] EN
[54] **PLASMA KALLIKREIN ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-KALLICREINE PLASMATIQUE ET LEURS UTILISATIONS**
[72] BEDIAN, VAHE, US
[72] BISTA, PRADEEP, US
[72] HARWIN, PETER EVAN, US
[72] KISELAK, TOMAS, US
[72] VIOLIN, JONATHAN, US
[71] ASTRIA THERAPEUTICS, INC., US
[85] 2023-07-13
[86] 2022-01-28 (PCT/US2022/014242)
[87] (WO2022/165130)
[30] US (63/142,748) 2021-01-28
[30] US (63/159,323) 2021-03-10
[30] US (63/220,194) 2021-07-09
[30] US (63/262,838) 2021-10-21

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[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (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] **ISOINDOLINONE COMPOUNDS**
[54] **COMPOSES D'ISOINDOLINONE**
[72] FASCHING, BERNHARD, CH
[72] RYCKMANS, THOMAS, CH
[72] FLOHR, ALEXANDER, CH
[72] RITZEN, ANDREAS, CH
[72] HARVEY, FREYA, CH
[72] MCALLISTER, LAURA, CH
[71] MONTE ROSA THERAPEUTICS AG, CH
[85] 2023-07-13
[86] 2022-01-13 (PCT/EP2022/050699)
[87] (WO2022/152821)
[30] CH (00025/21) 2021-01-13
[30] CH (00386/21) 2021-04-14
[30] CH (00655/21) 2021-06-04
[30] US (63/281,049) 2021-11-18

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[13] A1
[51] **Int.Cl. D06F 75/12 (2006.01) D06F 75/14 (2006.01) D06F 79/00 (2006.01) D06F 79/02 (2006.01)**
[25] EN
[54] **HANDHELD APPLIANCE**
[54] **APPAREIL PORTATIF**
[72] LEUNG, ANTHONY KIT LUN, CN
[71] CONAIR LLC, US
[85] 2023-07-13
[86] 2021-12-15 (PCT/US2021/063538)
[87] (WO2022/140128)
[30] US (17/128,840) 2020-12-21

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[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 9/127 (2006.01) A61K 36/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING ENGINEERED PLANT-DERIVED EXTRACELLULAR VESICLES AND USE THEREOF AS A VACCINE**
[54] **COMPOSITION COMPRENANT DES VESICULES EXTRACELLULAIRES ISSUES DE PLANTES MODIFIEES ET LEUR UTILISATION EN TANT QUE VACCIN**
[72] CAMUSSI, GIOVANNI, IT
[72] GAI, CHIARA, IT
[72] POMATTO, MARGHERITA ALBA CARLOTTA, IT
[72] DE ROSA, FRANCESCO GIUSEPPE, IT
[71] EVOBIOTECH S.R.L., IT
[85] 2023-07-14
[86] 2022-01-13 (PCT/EP2022/050590)
[87] (WO2022/152771)
[30] IT (102021000000569) 2021-01-14

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[51] **Int.Cl. H04N 13/271 (2018.01) G06T 7/593 (2017.01) H04N 13/128 (2018.01) H04N 13/189 (2018.01) H04N 13/243 (2018.01)**
[25] EN
[54] **LIGHT FIELD CAMERA SYSTEM AND METHOD OF SETTING BASELINE AND CONVERGENCE DISTANCE**
[54] **SYSTEME DE CAMERA A CHAMP LUMINEUX ET PROCEDE DE REGLAGE D'UNE REFERENCE ET D'UNE DISTANCE DE CONVERGENCE**
[72] BANEY, ARTHUR Z., US
[71] LEIA INC., US
[85] 2023-07-13
[86] 2022-01-31 (PCT/US2022/014613)
[87] (WO2022/173611)
[30] US (63/148,587) 2021-02-11

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[13] A1
[51] **Int.Cl. F16J 15/12 (2006.01) F16J 15/02 (2006.01) F16J 15/10 (2006.01) F16L 23/18 (2006.01) F16L 23/22 (2006.01)**
[25] EN
[54] **IMPROVED COMPRESSION SEALING GASKET AND SEALING SYSTEM**
[54] **JOINT D'ETANCHEITE A COMPRESSION AMELIORE ET SYSTEME DE SCELLEMENT ETANCHE**
[72] TREIER, LUKAS, CH
[72] LUSCHER, ROBERT, CH
[72] GERBER, PHILIP, CH
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2023-07-14
[86] 2022-01-13 (PCT/EP2022/050679)
[87] (WO2022/152811)
[30] EP (21151873.3) 2021-01-15

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[13] A1
[51] **Int.Cl. B01J 8/00 (2006.01) B01F 23/50 (2022.01) B01J 8/18 (2006.01) B01J 8/20 (2006.01) B01J 8/38 (2006.01) C10G 11/18 (2006.01)**
[25] EN
[54] **APPARATUS FOR MIXING IN CATALYTIC CRACKER REACTOR**
[54] **APPAREIL DE MELANGE DANS UN REACTEUR DE CRAQUEUR CATALYTIQUE**
[72] LUDOLPH, ROBERT ALEXANDER, US
[72] BASDEN, MICHAEL ALLEN, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2023-07-13
[86] 2022-02-01 (PCT/US2022/014687)
[87] (WO2022/169739)
[30] US (63/146,422) 2021-02-05

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[13] A1
[51] **Int.Cl. A45D 44/00 (2006.01) G16H 20/10 (2018.01) G16H 50/30 (2018.01) G06N 5/04 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RECOMMENDING INGREDIENTS AND PRODUCTS**
[54] **SYSTEMES ET PROCEDES POUR RECOMMANDER DES INGREDIENTS ET DES PRODUITS**
[72] LEVIN, JACQUELINE M., US
[71] LEVIN, JACQUELINE M., US
[85] 2023-07-13
[86] 2022-01-12 (PCT/US2022/012101)
[87] (WO2022/155189)
[30] US (63/199,628) 2021-01-13

[21] **3,208,322**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **SAFETY BELT CLAMPING DEVICE AND CHILD SEAT FOR VEHICLE**
[54] **DISPOSITIF DE SERRAGE DE CEINTURE DE SECURITE ET SIEGE DE SECURITE POUR ENFANT POUR VEHICULE**
[72] LIU, WEIHUAN, CN
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050775)
[87] (WO2022/152868)
[30] CN (202120118334.4) 2021-01-15

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[13] A1
[51] **Int.Cl. H04B 7/204 (2006.01) H04W 84/06 (2009.01)**
[25] EN
[54] **SINGLE FREQUENCY BROADCASTING NETWORKS USING MULTIPLE SPOTBEAMS**
[54] **RESEAUX DE DIFFUSION MONOFREQUENCE UTILISANT DE MULTIPLES FAISCEAUX ETROITS**
[72] DUTTA, SANTANU, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2023-07-13
[86] 2022-01-12 (PCT/US2022/012125)
[87] (WO2022/155203)
[30] US (63/136,884) 2021-01-13

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 47/14 (2017.01)**
[25] EN
[54] **ORAL THIN FILM**
[54] **FILM ORODISPERSIBLE**
[72] SCHMITZ, CHRISTOPH, DE
[72] BAUER, MARIUS, DE
[72] LINN, MICHAEL, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050786)
[87] (WO2022/152874)
[30] DE (10 2021 100 752.6) 2021-01-15

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF PREDICTING PROGRESSION OF NEUROLOGICAL DISEASE**
[54] **PROCEDES DE PREDICTION DE LA PROGRESSION D'UNE MALADIE NEUROLOGIQUE**
[72] MEYER, KATHRIN CHRISTINE, US
[72] DENNYS-RIVERS, CASSANDRA NICOLE, US
[72] FERRAIUOLO, LAURA, GB
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[71] THE UNIVERSITY OF SHEFFIELD, GB
[85] 2023-07-13
[86] 2022-01-13 (PCT/US2022/012221)
[87] (WO2022/155274)
[30] US (63/137,077) 2021-01-13

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[13] A1
[51] **Int.Cl. A61K 31/522 (2006.01) A61K 9/00 (2006.01) A61K 31/19 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **ORAL THIN FILMS**
[54] **FILMS ORODISPERSIBLES**
[72] MULLER, MARKUS, DE
[72] FICKER, MARIO, DE
[72] LINN, MICHAEL, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050790)
[87] (WO2022/152876)
[30] DE (10 2021 100 718.6) 2021-01-15

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/12 (2006.01) A61B 17/122 (2006.01)**
[25] EN
[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVULE CARDIAQUE ET DISPOSITIFS D'ADMINISTRATION POUR CEUX-CI**
[72] DEUSCHL, FLORIAN GEORG, US
[72] OKOS, CHRIS J., US
[72] CHU, WAINA MICHELLE, US
[72] PHAN, JIAN LIN, US
[72] FRESCHAUF, LAUREN R., US
[72] CHEN, WEN YAN, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-07-13
[86] 2022-01-13 (PCT/US2022/012266)
[87] (WO2022/155298)
[30] US (63/138,309) 2021-01-15

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[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 1/32 (2006.01) G01V 1/36 (2006.01)**
[25] EN
[54] **SOURCE SEPARATION USING MULTISTAGE INVERSION WITH SPARSITY PROMOTING PRIORS**
[54] **SEPARATION DE SOURCE A L'AIDE D'UNE INVERSION MULTI-ETAGE A ANTECEDENTS FAVORISANT UNE FAIBLE DENSITE**
[72] KAMIL AMIN, YOUSIF IZZELDIN, GB
[72] KUMAR, RAJIV, GB
[72] MAHDAD, ARAZ, US
[72] VASSALLO, MASSIMILIANO, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-07-13
[86] 2022-01-14 (PCT/US2022/070204)
[87] (WO2022/155676)
[30] US (63/137,283) 2021-01-14

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **MULTI-LAYER ORAL THIN FILM**
[54] **FILM MINCE ORAL MULTICOUCHES**
[72] LINN, MICHAEL, DE
[72] FICKER, MARIO, DE
[72] NORELLI, CLAUDIA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050791)
[87] (WO2022/152877)
[30] DE (10 2021 100 779.8) 2021-01-15

[21] **3,208,337**
[13] A1
[51] **Int.Cl. A61K 31/455 (2006.01) A61K 31/706 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR INCREASING NAD+ METABOLOME IN HEALTHY MIDDLE-AGED POPULATION**
[54] **PROCEDES ET COMPOSITIONS D'ACCROISSEMENT DE NAD+ METABOLOME DANS UNE POPULATION SAINE D'AGE MOYEN**
[72] XUE, YONGQUAN, US
[71] BIOENERGY LIFE SCIENCE, INC., US
[85] 2023-07-13
[86] 2022-01-14 (PCT/US2022/070209)
[87] (WO2022/155680)
[30] US (63/137,720) 2021-01-14

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[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01) B62D 55/14 (2006.01) B62D 55/15 (2006.01) B62D 55/18 (2006.01) B62D 55/20 (2006.01) B62D 55/26 (2006.01)**
[25] EN
[54] **GUIDE RAIL FOR CRAWLER TRACK**
[54] **RAIL DE GUIDAGE POUR PISTE DE CHENILLE**
[72] PEDRETTI, ETHAN, US
[72] STERLING, PAT, US
[71] JOY GLOBAL SURFACE MINING INC., US
[85] 2023-07-13
[86] 2022-01-13 (PCT/US2022/012352)
[87] (WO2022/155367)
[30] US (63/137,059) 2021-01-13

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[13] A1
[51] **Int.Cl. H04B 1/713 (2011.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION**
[72] GONG, MINGXIN, CN
[72] ZHANG, DI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-07-14
[86] 2021-01-15 (PCT/CN2021/072324)
[87] (WO2022/151439)

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[13] A1
[51] **Int.Cl. B32B 25/14 (2006.01) B32B 27/06 (2006.01) B32B 27/18 (2006.01)**
[25] EN
[54] **METHOD OF MAKING FLAT FOAM SHEET COMPRISING RECYCLED PET AND THE PRODUCT RESULTING THEREFROM**
[54] **PROCEDE DE FABRICATION DE FEUILLE DE MOUSSE PLATE COMPRENANT DU PET RECYCLE ET PRODUIT OBTENU A PARTIR DE CELLE-CI**
[72] SANIEI, MEHDI, US
[72] LINDENFELZER, MARK E., US
[72] SAKORAFOS, JAMES K., US
[71] MUCELL EXTRUSION, LLC, US
[85] 2023-07-13
[86] 2022-01-13 (PCT/US2022/012355)
[87] (WO2022/155369)
[30] US (63/136,891) 2021-01-13

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[13] A1
[51] **Int.Cl. A61K 31/137 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **PRODRUG COMPOSITIONS AND METHODS OF TREATMENT**
[54] **COMPOSITIONS DE PROMEDICAMENT ET PROCEDES DE TRAITEMENT**
[72] SCHOBEL, ALEXANDER MARK, US
[72] BARBER, DANIEL R., US
[72] WARGACKI, STEPHEN PAUL, US
[72] KAINTHAN, RAJESH KUMAR, US
[72] VARJAN, STEPHANIE M., US
[72] DURAI, MALARVIZHI, US
[71] AQUESTIVE THERAPEUTICS, INC., US
[85] 2023-07-13
[86] 2022-01-15 (PCT/US2022/012633)
[87] (WO2022/155544)
[30] US (63/137,881) 2021-01-15

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **ORAL THIN FILM COMPRISING A PVA-TRIS BUFFER LAYER**
[54] **FILM MINCE BUCCAL COMPRENANT UNE COUCHE DE TAMPON PVA-TRIS**
[72] LINN, MICHAEL, DE
[72] FICKER, MARIO, DE
[72] NORELLI, CLAUDIA, DE
[72] MULLER, MARKUS, DE
[72] SCHMITZ, CHRISTOPH, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050794)
[87] (WO2022/152878)
[30] DE (10 2021 100 780.1) 2021-01-15

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[13] A1
[51] **Int.Cl. C10M 133/44 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING BASE OIL WITH ENHANCED COLOR STABILITY**
[54] **PROCEDE DE FABRICATION D'HUILE DE BASE AYANT UNE STABILITE DE COULEUR AMELIOREE**
[72] ZHANG, YIHUA, US
[72] LEI, GUAN-DAO, US
[72] ROSTAMI, MALEK M., US
[72] RUSSELL, BETH A., US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-13
[86] 2022-01-18 (PCT/US2022/012698)
[87] (WO2022/159358)
[30] US (63/138,796) 2021-01-19
[30] US (17/154,099) 2021-01-21

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **MULTI-LAYER ORAL THIN FILM**
[54] **FILM MINCE ORAL MULTICOUCHE**
[72] LINN, MICHAEL, DE
[72] SCHMITZ, CHRISTOPH, DE
[72] NORELLI, CLAUDIA, DE
[72] FICKER, MARIO, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050800)
[87] (WO2022/152883)
[30] DE (10 2021 100 783.6) 2021-01-15

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[13] A1
[51] **Int.Cl. C10G 65/04 (2006.01) B01J 23/40 (2006.01) B01J 29/74 (2006.01) C10G 45/44 (2006.01) C10G 45/52 (2006.01) C10G 45/62 (2006.01) C10G 45/64 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HIGH QUALITY BASE OILS USING TWO STAGE HYDROFINISHING**
[54] **PROCEDE DE PRODUCTION D'HUILES DE BASE DE HAUTE QUALITE A L'AIDE D'UN HYDROFINISSAGE A DEUX ETAPES**
[72] ZHANG, YIHUA, US
[72] BHATTACHARYA, SUBHASIS, US
[72] LEI, GUAN-DAO, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-13
[86] 2022-01-18 (PCT/US2022/012702)
[87] (WO2022/159359)
[30] US (63/138,810) 2021-01-19
[30] US (17/153,865) 2021-01-20

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[13] A1
[51] **Int.Cl. C10G 65/04 (2006.01) B01J 23/40 (2006.01) B01J 29/74 (2006.01) C10G 45/06 (2006.01) C10G 45/52 (2006.01) C10G 45/60 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HIGH QUALITY BASE OILS USING MULTIPLE STAGE PROCESSING**
[54] **PROCEDE DE PRODUCTION D'HUILES DE BASE DE HAUTE QUALITE A L'AIDE D'UN TRAITEMENT A PLUSIEURS ETAPES**
[72] ZHANG, YIHUA, US
[72] LEI, GUAN-DAO, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-13
[86] 2022-01-18 (PCT/US2022/012705)
[87] (WO2022/159360)
[30] US (17/153,869) 2021-01-20

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[13] A1
[51] **Int.Cl. H01M 10/613 (2014.01) H01M 10/643 (2014.01) H01M 10/6556 (2014.01) B60L 58/26 (2019.01) B60L 58/27 (2019.01)**
[25] EN
[54] **TUBULAR BATTERY PACK AND INTEGRAL TUBULAR BATTERY WITH THERMAL MANAGEMENT AND SAFETY RELIEF SYSTEM**
[54] **BLOC-BATTERIE TUBULAIRE ET BATTERIE TUBULAIRE INTEGRALE DOTEE D'UN SYSTEME DE GESTION THERMIQUE ET DE SECURITE**
[72] TARFAOUI, AHMED, US
[71] TARFAOUI, AHMED, US
[85] 2023-08-14
[86] 2022-01-19 (PCT/US2022/012902)
[87] (WO2022/173564)
[30] US (17/176,070) 2021-02-15
[30] US (17/360,075) 2021-06-28

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[13] A1
[51] **Int.Cl. H04W 68/02 (2009.01)**
[25] EN
[54] **MAPPING OF PAGING EARLY INDICATOR TO MULTIPLE PAGING OCCASIONS**
[54] **MISE EN CORRESPONDANCE D'UN INDICATEUR PRECOCE DE RADIOMESSAGERIE AVEC DE MULTIPLES OCCASIONS DE RADIOMESSAGERIE**
[72] ANDGART, NIKLAS, SE
[72] NADER, ALI, SE
[72] MALEKI, SINA, SE
[72] REIAL, ANDRES, SE
[72] NIMBALKER, AJIT, US
[72] THANGARASA, SANTHAN, SE
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2023-07-14
[86] 2022-01-14 (PCT/EP2022/050807)
[87] (WO2022/152889)
[30] US (63/137,799) 2021-01-15

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[13] A1
[51] **Int.Cl. G01N 27/414 (2006.01)**
[25] EN
[54] **SELF-DISINFECTING SENSOR AND METHOD OF OPERATION**
[54] **CAPTEUR AUTO-DESINFECTANT ET PROCEDE DE FONCTIONNEMENT**
[72] SINHA, SAION K., US
[72] KIRKOR, EWA STANISLAWA, US
[71] 12-15 MOLECULAR DIAGNOSTICS, INC., US
[85] 2023-07-13
[86] 2022-01-20 (PCT/US2022/013073)
[87] (WO2022/159553)
[30] US (63/139,590) 2021-01-20

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[13] A1
[51] **Int.Cl. A01N 37/00 (2006.01) A61P 33/14 (2006.01)**
[25] EN
[54] **ANTIPARASITIC COMPOUNDS**
[54] **COMPOSES ANTIPARASITAIRES**
[72] HUNTER, JAMES EDWARD, US
[72] LAWLER, LORI KAY, US
[72] TRULLINGER, TONY KENT, US
[72] WALSH, MARTIN JOSEPH, US
[72] SCHMITT, HARALD, DE
[72] HECKEROTH, ANJA, REGINA, DE
[72] LUTZ, JURGEN, DE
[72] WILLIAMS, HEIKE, DE
[72] ZOLLER, HARTMUT, DE
[72] SHEEHAN, JOHN GERARD, US
[72] KATZENSTEIN, JOSHUA, US
[71] CORTEVA AGRISCIENCE LLC, US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2023-07-14
[86] 2022-01-26 (PCT/EP2022/051674)
[87] (WO2022/161972)
[30] EP (21153638.8) 2021-01-27
[30] US (63/292,561) 2021-12-22

[21] **3,208,362**
[13] A1
[51] **Int.Cl. F41A 19/59 (2006.01) F41A 17/06 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL TRIGGER**
[54] **DETENTE ELECTROMECANIQUE**
[72] VERZOSA, RAUL, CA
[72] NEELS, BRADLEY, CA
[72] VAN RUITENBURG, MAARTEN, CA
[72] BACHSTEIN, KYLE, US
[72] GUTTRIDGE, MICHAEL, US
[72] DESBIENS, GUY, CA
[72] SIMARD, GUILLAUME, CA
[71] MDT SPORTING GOODS LTD., CA
[85] 2023-07-14
[86] 2022-01-14 (PCT/IB2022/050320)
[87] (WO2022/153254)
[30] US (63/138,009) 2021-01-15

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[13] A1
[51] **Int.Cl. H04L 12/46 (2006.01) H04L 61/2517 (2022.01) H04L 61/2582 (2022.01) H04L 65/65 (2022.01) H04M 11/00 (2006.01)**
[25] EN
[54] **SECURITY DEVICE, METHOD, AND NON-TRANSITORY COMPUTER-READABLE MEDIUM**
[54] **APPAREIL DE SECURITE, PROCEDE ET SUPPORT LISIBLE PAR ORDINATEUR NON TRANSITOIRE**
[72] KINOUCHI, ATSUSHI, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2023-07-14
[86] 2021-10-04 (PCT/JP2021/036609)
[87] (WO2022/153621)
[30] JP (2021-004763) 2021-01-15

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[13] A1
[51] **Int.Cl. C07D 207/16 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING HETEROCYCLE-CONTAINING AMINO ACID COMPOUND**
[54] **PROCEDE DE FABRICATION D'UN COMPOSE D'ACIDE AMINE CONTENANT UN HETEROCYCLE**
[72] NAMBA, KOSUKE, JP
[72] MERA, AKANE, JP
[72] SUZUKI, MOTOFUMI, JP
[71] TOKUSHIMA UNIVERSITY, JP
[71] AICHI STEEL CORPORATION, JP
[85] 2023-07-14
[86] 2021-10-08 (PCT/JP2021/037366)
[87] (WO2022/153626)
[30] JP (2021-005265) 2021-01-15

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[13] A1
[51] **Int.Cl. H01M 4/36 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **POROUS NEGATIVE ELECTRODE ACTIVE MATERIAL AND MANUFACTURING METHOD THEREFOR**
[54] **MATERIAU ACTIF D'ELECTRODE NEGATIVE POREUSE ET SON PROCEDE DE FABRICATION**
[72] MA, FEI, CN
[72] WEI, LIANGQIN, CN
[72] WU, ZHIHONG, CN
[72] LI, FENGFENG, CN
[71] SHANGHAI SHANSHAN TECH CO., LTD., CN
[85] 2023-08-14
[86] 2021-02-26 (PCT/CN2021/078017)
[87] (WO2022/178798)

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[13] A1
[51] **Int.Cl. G01V 1/36 (2006.01) G01V 1/08 (2006.01) G01V 1/38 (2006.01) G01V 1/40 (2006.01)**
[25] EN
[54] **MARINE SEISMIC IMAGING**
[54] **IMAGERIE SISMIQUE MARINE**
[72] MUIJZERT, EVERHARD, GB
[72] BAGAINI, CLAUDIO, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-07-13
[86] 2022-01-13 (PCT/US2022/070180)
[87] (WO2022/155663)
[30] US (63/137,572) 2021-01-14

[21] **3,208,442**
[13] A1
[51] **Int.Cl. E04F 13/21 (2006.01) E04F 13/07 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FORMING A WALL**
[54] **SYSTEME ET PROCEDE DE FORMATION D'UNE PAROI**
[72] HENDERSON, LORNE, CA
[71] 1284343 B.C. LTD., CA
[85] 2023-07-17
[86] 2022-01-17 (PCT/CA2022/050062)
[87] (WO2022/150930)
[30] US (63/138,452) 2021-01-17

[21] **3,208,443**
[13] A1
[51] **Int.Cl. G01S 7/524 (2006.01) G01S 15/89 (2006.01)**
[25] EN
[54] **VOLUMETRIC INSPECTION USING ROW-COLUMN ADDRESSED PROBE**
[54] **INSPECTION VOLUMETRIQUE A L'AIDE D'UNE SONDE ADRESSEE EN RANGEES-COLONNES**
[72] LEPAGE, BENOIT, CA
[71] EVIDENT CANADA, INC., CA
[85] 2023-07-17
[86] 2022-01-26 (PCT/CA2022/050104)
[87] (WO2022/165583)
[30] US (63/146,280) 2021-02-05
[30] US (63/181,428) 2021-04-29

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[13] A1
[51] **Int.Cl. H04M 3/42 (2006.01) H04M 9/00 (2006.01)**
[25] EN
[54] **RECEPTION CONTROL APPARATUS, RECEPTION SYSTEM, CONTROL METHOD, AND CONTROL PROGRAM**
[54] **DISPOSITIF DE COMMANDE DE RECEPTION, SYSTEME DE RECEPTION, PROCEDE DE RECEPTION, ET PROGRAMME DE RECEPTION**
[72] KAIEDA, NOBORU, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2023-07-14
[86] 2021-12-21 (PCT/JP2021/047330)
[87] (WO2022/153802)
[30] JP (2021-004627) 2021-01-15

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[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 33/00 (2016.01) A23L 33/115 (2016.01) A01H 1/02 (2006.01) A01H 5/10 (2018.01) A61K 36/48 (2006.01) A61P 3/02 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **SOYBEANS HAVING LOW FURAN FATTY ACID CONTENT**
[54] **SOJA AYANT UNE FAIBLE TENEUR EN ACIDE FURANIQUE**
[72] ANAI, TOYOAKI, JP
[72] WATANABE, SATOSHI, JP
[72] MAKITA, NARUTO, JP
[72] OKABE, RYO, JP
[72] ARAI, HISASHI, JP
[72] HIYAMA, ERINA, JP
[72] SANO, TAKASHI, JP
[71] SAGA UNIVERSITY, JP
[71] J-OIL MILLS, INC., JP
[85] 2023-07-14
[86] 2022-01-14 (PCT/JP2022/002307)
[87] (WO2022/158583)
[30] JP (2021-007795) 2021-01-21

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/62 (2017.01) A61K 47/68 (2017.01) A61K 47/69 (2017.01) A61K 9/00 (2006.01) A61K 9/51 (2006.01) A61K 39/44 (2006.01) A61K 49/00 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01) C07K 14/00 (2006.01) C07K 16/00 (2006.01) C07K 16/10 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **MULTABODY CONSTRUCTS, COMPOSITIONS, AND METHODS**
[54] **CONSTRUCTIONS DE MULTICORPS, COMPOSITIONS ET PROCEDES**
[72] JULIEN, JEAN-PHILIPPE, CA
[72] RUJAS DIEZ, EDURNE, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2023-07-17
[86] 2022-01-28 (PCT/CA2022/050122)
[87] (WO2022/160057)
[30] US (63/142,704) 2021-01-28

[21] **3,208,449**
[13] A1
[51] **Int.Cl. G01B 17/00 (2006.01) G01S 7/527 (2006.01)**
[25] EN
[54] **MATERIAL PROFILING FOR IMPROVED SIZING ACCURACY**
[54] **PROFILAGE DE MATERIAU POUR UNE PRECISION DE DIMENSIONNEMENT AMELIOREE**
[72] BADEAU, NICOLAS, CA
[72] LEPAGE, BENOIT, CA
[71] EVIDENT CANADA, INC., CA
[85] 2023-07-17
[86] 2022-02-02 (PCT/CA2022/050150)
[87] (WO2022/165592)
[30] US (63/146,030) 2021-02-05
[30] US (63/178,694) 2021-04-23
[30] US (17/647,490) 2022-01-10

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **ANALYTE INSPECTION APPARATUS AND ANALYTE INSPECTION METHOD USING SAME**
[54] **APPAREIL D'INSPECTION D'ANALYTE ET PROCEDE D'INSPECTION D'ANALYTE L'UTILISANT**
[72] KOH, GHUN, KR
[72] JUNG, NEONCHEOL, KR
[71] ALIGNED GENETICS, INC., KR
[85] 2023-07-14
[86] 2021-12-30 (PCT/KR2021/020233)
[87] (WO2022/154332)
[30] KR (10-2021-0005516) 2021-01-14

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[13] A1
[51] **Int.Cl. H01M 50/533 (2021.01) H01M 50/178 (2021.01) H01M 50/54 (2021.01)**
[25] EN
[54] **SECONDARY BATTERY**
[54] **BATTERIE SECONDAIRE**
[72] KANG, GYUNG-SOO, KR
[72] JEONG, JEE-HOON, KR
[72] CHOI, YONG-SU, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2023-07-14
[86] 2022-09-30 (PCT/KR2022/014812)
[87] (WO2023/059009)
[30] KR (10-2021-0134479) 2021-10-08

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[13] A1
[51] **Int.Cl. C07F 7/18 (2006.01) B01J 20/26 (2006.01) B01J 20/30 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **N,O-TYPE MULTIDENTATE FUNCTIONAL MONOMER, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF IN ION-IMPRINTED POLYMERS**
[54] **MONOMERE FONCTIONNEL MULTICOORDINANT DE TYPE N,O, METHODE DE PREPARATION CONNEXE ET APPLICATION CONNEXE DANS LES POLYMERES MARQUES D'ION**
[72] XING, JUN, CN
[72] CHEN, LIANGQUN, CN
[71] WUHAN SEPENRICH TECHNOLOGIES CO., LTD, CN
[85] 2023-07-17
[86] 2020-12-29 (PCT/CN2020/140732)
[87] (WO2021/143511)
[30] CN (202010055553.2) 2020-01-17

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[13] A1
[51] **Int.Cl. G02B 6/42 (2006.01) H04B 10/116 (2013.01) H04B 10/40 (2013.01) G02B 27/30 (2006.01)**
[25] EN
[54] **OPTICAL PATH POINTING APPARATUS, OPTICAL PATH POINTING METHOD, AND OPTICAL POINTING SYSTEM**
[54] **DISPOSITIF DE POINTAGE DE TRAJET DE LUMIERE, PROCEDE DE POINTAGE DE TRAJET DE LUMIERE ET SYSTEME DE POINTAGE DE TRAJET DE LUMIERE**
[72] LI, YING, CN
[72] XIE, ZHIPENG, CN
[72] ZENG, YAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-07-17
[86] 2021-10-19 (PCT/CN2021/124738)
[87] (WO2022/156281)
[30] CN (202110082565.9) 2021-01-21

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **NOVEL ANTI-GREMLIN1 ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-GREMLIN-1**
[72] QIAN, XUEMING, CN
[72] CUI, SULI, CN
[72] LI, HONGJUN, CN
[72] SUN, DI, CN
[72] GUO, HUANHUAN, CN
[71] SUZHOU TRANSCENTA THERAPEUTICS CO., LTD., CN
[85] 2023-07-17
[86] 2022-01-17 (PCT/CN2022/072297)
[87] (WO2022/152290)
[30] CN (PCT/CN2021/072397) 2021-01-18
[30] CN (PCT/CN2021/142043) 2021-12-28

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/00 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **APPLICATOR, KIT AND METHOD FOR APPLYING AN ADHESIVE COMPOSITION ON A SUPPORT, SUCH AS A TISSUE REPAIR SUPPORT**
[54] **APPLICATEUR, KIT ET PROCEDE D'APPLICATION D'UNE COMPOSITION ADHESIVE SUR UN SUPPORT, TEL QU'UN SUPPORT DE REPARATION TISSULAIRE**
[72] LOPES, MIGUEL, FR
[72] PEREIRA, MARIA, PT
[72] MOREAU, DAVID, FR
[72] BITTON, ELISA, FR
[71] TISSIUM, FR
[85] 2023-07-17
[86] 2022-01-18 (PCT/EP2022/051021)
[87] (WO2022/152940)
[30] EP (21305054.5) 2021-01-18

[21] **3,208,459**
[13] A1
[51] **Int.Cl. A23G 1/56 (2006.01) A23G 1/48 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF PLANT-BASED CRUMB**
[54] **PROCEDE POUR LA PRODUCTION DE BRISURES A BASE DE PLANTE**
[72] BRUNT, ROBERT, ES
[72] GODFREY, GRAHAM, GB
[71] TIGER & BEAN S.L.U., ES
[85] 2023-07-17
[86] 2022-01-28 (PCT/EP2022/052115)
[87] (WO2022/162184)
[30] EP (21382076.4) 2021-01-29

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[13] A1
[51] **Int.Cl. C10M 125/02 (2006.01) B82Y 40/00 (2011.01)**
[25] EN
[54] **ENHANCED LUBRICANT COMPOSITION**
[54] **COMPOSITION LUBRIFIANTE AMELIOREE**
[72] NICOL, CRAIG, AU
[72] SCHEIWE, TIMOTHY, AU
[72] NANJUNDAN, ASHOK KUMAR, AU
[71] GRAPHENE MANUFACTURING GROUP LTD, AU
[85] 2023-07-17
[86] 2021-09-28 (PCT/AU2021/051127)
[87] (WO2022/155699)
[30] AU (2021900116) 2021-01-20

[21] **3,208,461**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING WHETHER A SUBJECT IS AT RISK OF DYING FROM BREAST CANCER OR PROSTATE CANCER**
[54] **PROCEDE POUR DETERMINER SI UN SUJET PRESENTE UN RISQUE DE MOURIR DU CANCER DU SEIN OU DU CANCER DE LA PROSTATE**
[72] JULKUNEN, HELI, FI
[72] WURTZ, PETER, FI
[71] NIGHTINGALE HEALTH OYJ, FI
[85] 2023-07-17
[86] 2022-02-01 (PCT/FI2022/050058)
[87] (WO2022/162280)
[30] FI (20215110) 2021-02-01

[21] **3,208,462**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/04 (2023.01) G06N 5/02 (2023.01)**
[25] EN
[54] **A SYSTEM, APPARATUS AND PROCESSING METHOD SUITABLE FOR PREDICTIVE BASED ANALYSIS OF A STRUCTURE**
[54] **SYSTEME, APPAREIL ET PROCEDE DE TRAITEMENT APPROPRIES POUR UNE ANALYSE PREDICTIVE D'UNE STRUCTURE**
[72] B M ALI, M NAZMI, MY
[72] ABU BAKAR, MOHD HISHAM BIN, MY
[72] B M TUSELIM, AHMAD SIRWAN, MY
[72] B KAMARDIN, M ZAID, MY
[72] B A SAMAD, KHAIRUL ANWAR, MY
[72] B SULAIMAN, SANI, MY
[72] BT M FUZI, NURAZZURA, MY
[72] B M SUHOT, M AFIQ, MY
[72] ABDULKADIR, SAID JADID, MY
[71] PETROLIAM NASIONAL BERHAD (PETRONAS), MY
[85] 2023-07-14
[86] 2022-01-13 (PCT/MY2022/050002)
[87] (WO2022/154654)
[30] MY (PI2021000243) 2021-01-15

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[13] A1
[51] **Int.Cl. A61K 31/203 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 493/08 (2006.01)**
[25] EN
[54] **OXABICYCLOHEPTANES FOR TREATMENT OF SMALL CELL LUNG CANCER**
[54] **OXABICYCLOHEPTANES POUR LE TRAITEMENT DU CANCER DU POUMON A PETITES CELLULES**
[72] SALGIA, RAVI, US
[72] KOVACH, JOHN S., US
[71] LIXTE BIOTECHNOLOGY, INC., US
[85] 2023-07-14
[86] 2021-09-23 (PCT/US2021/051647)
[87] (WO2022/159150)
[30] US (63/139,047) 2021-01-19

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[13] A1
[51] **Int.Cl. B63H 9/069 (2020.01)**
[25] EN
[54] **SERIES ADDITION AEROFOIL LAUNCHING SYSTEM**
[54] **SYSTEME DE MISE A L'EAU DE SURFACE PORTANTE D'ADDITION EN SERIE**
[72] MCGARLEY, JAMES IAN, GB
[71] BLUEWATER ENGINEERING LIMITED, GB
[85] 2023-07-17
[86] 2022-01-11 (PCT/GB2022/000001)
[87] (WO2022/153031)
[30] GB (2100618.4) 2021-01-18

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[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01)**
[25] EN
[54] **ENHANCED APERIODIC SOUNDING REFERENCE SIGNAL CONFIGURATION**
[54] **CONFIGURATION AMELIOREE DE SIGNAL DE REFERENCE DE SONDAGE APERIODIQUE**
[72] FRENNE, MATTIAS, SE
[72] JACOBSSON, SVEN, SE
[72] KARIPIDIS, ELEFTHERIOS, SE
[72] NILSSON, ANDREAS, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2023-07-17
[86] 2021-12-22 (PCT/IB2021/062205)
[87] (WO2022/153116)
[30] US (63/138,569) 2021-01-18

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[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 34/08 (2006.01)**
[25] EN
[54] **WELLBORE PRESSURE INSENSITIVE HYDRAULIC PISTON CONFIGURATION**
[54] **CONFIGURATION DE PISTON HYDRAULIQUE INSENSIBLE A UNE PRESSION DE PUITS DE FORAGE**
[72] QUILICO, MARCO, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-07-14
[86] 2021-12-20 (PCT/US2021/064365)
[87] (WO2022/154944)
[30] US (63/137,394) 2021-01-14

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1473 (2006.01) A61B 5/1486 (2006.01) A61B 5/15 (2006.01)**
[25] EN
[54] **REUSABLE APPLICATORS FOR TRANSCUTANEOUS ANALYTE SENSORS, AND ASSOCIATED METHODS**
[54] **APPLICATEURS REUTILISABLES POUR CAPTEURS D'ANALYTES TRANSCUTANES ET PROCEDES ASSOCIES**
[72] SHAH, NEEL, US
[72] KOPLIN, RANDALL SCOTT, US
[72] JOHNSTON, NEAL D., US
[72] LEE, YOUNG, US
[72] JONCICH, ANDREW, US
[72] BAKER, JOSEPH J., US
[72] SELANDER, MARK, US
[72] DAVIS, WILLIAM D., US
[72] ROBINSON, MORGAN ALEXANDER, US
[72] NEGI, VIPUL, US
[71] DEXCOM, INC., US
[85] 2023-07-14
[86] 2021-12-30 (PCT/US2021/065788)
[87] (WO2022/147326)
[30] US (63/132,703) 2020-12-31

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[13] A1
[51] **Int.Cl. C07C 29/76 (2006.01) C07B 63/00 (2006.01) C07C 31/04 (2006.01)**
[25] EN
[54] **LOW CO2 EMISSIONS METHANOL PROCESS AND PRODUCTION APPARATUS**
[54] **PROCEDE DE PRODUCTION DE METHANOL A FAIBLE EMISSION DE CO2 ET DISPOSITIF DE PRODUCTION**
[72] BARNETT, DANIEL JOSEPH, US
[72] CARGLE, GREGORY BRYAN, US
[72] SINGH, SHASHI PRAKASH, US
[72] PATROVICS, VENANCZ LASZLO, US
[71] BD ENERGY SYSTEMS, LLC, US
[85] 2023-07-14
[86] 2022-01-14 (PCT/US2022/012445)
[87] (WO2022/155425)
[30] US (63/137,554) 2021-01-14

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[13] A1
[51] **Int.Cl. B01D 53/75 (2006.01) B01D 47/06 (2006.01) B01D 53/00 (2006.01) B01D 53/78 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IMPROVED EFFICIENCY AND FLUE GAS SCRUBBING IN A FIRED HEATER USING A CONDENSING CONVECTION SECTION**
[54] **PROCEDE ET APPAREIL POUR AMELIORER LE RENDEMENT ET LE LAVAGE DE GAZ DE CARNEAU DANS UN DISPOSITIF DE CHAUFFAGE A COMBUSTION A L'AIDE D'UNE SECTION DE CONVECTION A CONDENSATION**
[72] BARNETT, DANIEL JOSEPH, US
[72] ZNIDERSIC, DANIEL RYAN, US
[71] BD ENERGY SYSTEMS, LLC, US
[85] 2023-07-14
[86] 2022-01-14 (PCT/US2022/012460)
[87] (WO2022/155434)
[30] US (63/137,520) 2021-01-14

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[13] A1
[51] **Int.Cl. C12Q 1/6813 (2018.01)**
[25] EN
[54] **IMPROVED DETECTION OF GENOMIC SEQUENCES AND PROBE MOLECULES THEREFOR**
[54] **DETECTION AMELIOREE DE SEQUENCES GENOMIQUES ET MOLECULES SONDES ASSOCIEES**
[72] KLAPPROTH, HOLGER, DE
[72] BEDNAR, SONJA, DE
[71] SAFEGUARD BIOSYSTEMS HOLDINGS LTD, GB
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[86] 2022-01-20 (PCT/IB2022/050494)
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[51] **Int.Cl. A61D 17/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING A CALVING MAMMAL**
[54] **SYSTEME DE SURVEILLANCE D'UN MAMMIFERE EN VELAGE**
[72] MEEUWESEN, ADRIANUS CORNELIS MARIA, NL
[72] LI, YAN, NL
[72] ANIRAJ, ANANTHU, NL
[71] LELY PATENT N.V., NL
[85] 2023-07-17
[86] 2022-02-10 (PCT/IB2022/051204)
[87] (WO2022/172193)
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[51] **Int.Cl. G16H 50/50 (2018.01) G16H 15/00 (2018.01) G16H 30/40 (2018.01) A61B 5/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING, MONITORING, AND TREATING PATIENT CONDITIONS**
[54] **SYSTEMES ET PROCEDES DE GESTION, DE SURVEILLANCE ET DE TRAITEMENT D'AFFECTIONS DE PATIENTS**
[72] MCCABE, AARON RICHARD, US
[72] EVANS, DON WILLIAM ELDON, US
[72] ZITELLA VERBICK, LAURA MARIE, US
[72] BUSHNELL, WILLIAM RAYMOND, US
[72] VASE, ABHI, US
[72] SEYMOUR, OWEN, US
[71] MINNETRONIX NEURO, INC., US
[85] 2023-07-14
[86] 2022-01-14 (PCT/US2022/012518)
[87] (WO2022/155473)
[30] US (63/137,969) 2021-01-15
[30] US (63/294,246) 2021-12-28

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[51] **Int.Cl. E04F 15/04 (2006.01) E04F 15/02 (2006.01)**
[25] EN
[54] **A JOINT OF FLOOR PANELS**
[54] **JOINT DE PANNEAUX DE PLANCHER**
[72] GUTKOWSKI, PAWEL, PL
[71] "BARLINEK" SPOLKA AKCYJNA, PL
[85] 2023-07-17
[86] 2022-04-11 (PCT/IB2022/053386)
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[30] PL (P.437615) 2021-04-19

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[13] A1
[51] **Int.Cl. A61M 31/00 (2006.01) A61B 17/56 (2006.01) A61B 17/58 (2006.01)**
[25] EN
[54] **JOINT IMPLANT WITH CONSTANT AND CONTINUOUS RELEASE OF THERAPEUTIC AGENT**
[54] **IMPLANT ARTICULAIRE A LIBERATION CONSTANTE ET CONTINUE D'AGENT THERAPEUTIQUE**
[72] ASHTON, PAUL, US
[72] HOTCHKISS, ROBERT N., US
[72] NAZZARO, MARTIN, US
[71] DIFFUSION RX, INC., US
[85] 2023-07-14
[86] 2022-01-14 (PCT/US2022/012550)
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[51] **Int.Cl. C10G 9/20 (2006.01) C10G 9/36 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CRACKING HYDROCARBONS**
[54] **PROCEDES ET SYSTEMES DE CRAQUAGE D'HYDROCARBURES**
[72] ROONEY, MARK A., US
[72] MARSH, DAVID K., US
[72] YOUNG, RICHARD, US
[72] SPICER, DAVID, US
[72] ASLANER, WILLIAM A., US
[72] YANG, JIE, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
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[86] 2022-01-05 (PCT/US2022/011212)
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[30] US (63/138,694) 2021-01-18
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[51] **Int.Cl. H02J 7/00 (2006.01) B60L 53/53 (2019.01) H01M 10/44 (2006.01)**
[25] EN
[54] **BATTERY CHARGER WITH CHARGING SUPPORT FROM USED BATTERIES (LOW VOLTAGE AND HIGH VOLTAGE)**
[54] **CHARGEUR DE BATTERIE AVEC CHARGE ASSISTEE PAR BATTERIES USAGEES (BASSE TENSION ET HAUTE TENSION)**
[72] ALOBAIDI, MOHAMMED, US
[72] SCHUMANN, JOCHEN, US
[71] GREEN CUBES TECHNOLOGY, LLC, US
[85] 2023-07-17
[86] 2022-01-12 (PCT/US2022/012207)
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[30] US (63/137,931) 2021-01-15

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[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **VARIANT STRAIN-BASED CORONAVIRUS VACCINES**
[54] **VACCINS ANTI-CORONAVIRUS A BASE DE SOUCHE VARIANTE**
[72] CARFI, ANDREA, US
[72] STEWART-JONES, GUILLAUME, US
[72] BENNETT, HAMILTON, US
[72] WU, KAI, US
[72] EDWARDS, DARIN, US
[72] CHUANG, GWO-YU, US
[72] REID, DAVID, US
[71] MODERNATX, INC., US
[85] 2023-07-14
[86] 2022-01-14 (PCT/US2022/012607)
[87] (WO2022/155524)
[30] US (63/138,228) 2021-01-15
[30] US (63/140,921) 2021-01-24
[30] US (63/161,439) 2021-03-15
[30] US (63/173,972) 2021-04-12
[30] US (63/193,558) 2021-05-26
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[30] US (63/241,944) 2021-09-08
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[51] **Int.Cl. B60K 1/04 (2019.01) B66F 9/24 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **ULTRA-FAST CHARGING METHOD FOR FORKLIFT BATTERY**
[54] **PROCEDE DE CHARGE ULTRA-RAPIDE POUR BATTERIE DE CHARIOT ELEVATEUR A FOURCHE**
[72] ALOBAIDI, MOHAMMED, US
[71] GREEN CUBES TECHNOLOGY, LLC, US
[85] 2023-07-17
[86] 2022-01-12 (PCT/US2022/012209)
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[30] US (63/138,044) 2021-01-15

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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 7/04 (2019.01) B32B 9/04 (2006.01)**
[25] EN
[54] **ROOFING SYSTEMS UTILIZING A PRIMER INCLUDING A SILICON-TERMINATED POLYMER**
[54] **SYSTEMES DE TOITURE UTILISANT UNE COUCHE D'APPRET COMPRENANT UN POLYMERE A TERMINAISON SILICIUM**
[72] QIN, ZENGQUAN, US
[72] TANG, JIANSHENG, US
[72] JAIN, DHARAMDEEP, US
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2023-07-14
[86] 2022-01-17 (PCT/US2022/012683)
[87] (WO2022/155576)
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[13] A1
[51] **Int.Cl. C08F 110/02 (2006.01) G01N 21/78 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE ACTIVITY OF AN ACTIVATED CHEMICALLY-TREATED SOLID OXIDE IN OLEFIN POLYMERIZATIONS**
[54] **METHODES DE DETERMINATION DE L'ACTIVITE D'UN OXYDE SOLIDE TRAITE CHIMIQUEMENT ACTIVE DANS LA POLYMERISATION D'OLEFINES**
[72] YANG, QING, US
[72] MCDANIEL, MAX P., US
[72] BUCK, RICHARD M., US
[72] CRAIN, TONY R., US
[72] ROSE, RYAN N., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2023-07-14
[86] 2022-01-06 (PCT/US2022/070055)
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[30] US (17/148,818) 2021-01-14

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[51] **Int.Cl. E21B 47/06 (2012.01) E21B 44/00 (2006.01) G01V 1/40 (2006.01)**
[25] EN
[54] **ABNORMAL PRESSURE DETECTION USING ONLINE BAYESIAN LINEAR REGRESSION**
[54] **DETECTION DE PRESSION ANORMALE AU MOYEN D'UNE REGRESSION LINEAIRE BAYESIENNE EN LIGNE**
[72] SHEN, TAO, CN
[72] LIU, JIA XU, CN
[72] LE BLAY, FLORIAN, CN
[72] BA, SAMBA, CN
[72] CHEN, XIN, CN
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-07-14
[86] 2022-01-17 (PCT/US2022/070213)
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[30] US (63/199,663) 2021-01-15
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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/958 (2013.01) A61M 25/10 (2013.01)**
[25] EN
[54] **METHODS TO FOLD AND FORM DELIVERY SYSTEM BALLOONS TO REDUCE THE DEPLOYED THV HEIGHT ASYMMETRY**
[54] **METHODES POUR PLIER ET FORMER DES BALLONNETS DE SYSTEME DE DISTRIBUTION POUR REDUIRE L'ASYMETRIE DE HAUTEUR DE THV DEPLOYEE**
[72] SAMARI, RAMIN, US
[72] MURAD, MICHAEL C., US
[72] BIALAS, MICHAEL R., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-07-17
[86] 2022-01-26 (PCT/US2022/013807)
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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01) C07K 14/195 (2006.01) C07K 14/395 (2006.01) C07K 14/47 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **SMALL MOLECULE-REGULATED GENE EXPRESSION SYSTEM**
[54] **SYSTEME D'EXPRESSION GENIQUE REGULE PAR PETITES MOLECULES**
[72] FOIGHT, GLENNA, US
[72] BRUNETTE, TJ, US
[71] OUTPACE BIO, INC., US
[85] 2023-07-17
[86] 2022-01-17 (PCT/US2022/012688)
[87] (WO2022/155578)
[30] US (63/137,803) 2021-01-15
[30] US (63/143,026) 2021-01-28
[30] US (63/143,735) 2021-01-29
[30] US (63/164,866) 2021-03-23

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **3-D SHAPED SKIRTS FOR PROSTHETIC HEART VALVES**
[54] **JUPES 3D POUR VALVULES CARDIAQUES PROTHETIQUES**
[72] BUKIN, MICHAEL, IL
[72] GUROVICH, NIKOLAY, IL
[72] NIR, NOAM, IL
[72] SAAR, TOMER, IL
[72] LEVI, TAMIR S., IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-07-17
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[13] A1
[51] **Int.Cl. A61K 31/7008 (2006.01) A61K 31/715 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **METHODS FOR PREVENTING VIRAL INFECTION**
[54] **PROCEDES DE PREVENTION D'UNE INFECTION VIRALE**
[72] HASSAN, AMEER E., US
[72] KHALILI, YOUSEF HASAN AHMAD, AE
[71] HASSAN, AMEER E., US
[71] KHALILI, YOUSEF HASAN AHMAD, AE
[85] 2023-07-17
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[30] US (63/143,321) 2021-01-29

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[51] **Int.Cl. G02B 27/28 (2006.01) B82Y 10/00 (2011.01) H04B 10/70 (2013.01) G06N 10/00 (2022.01) G02B 6/293 (2006.01) H04L 9/08 (2006.01)**
[25] EN
[54] **HIGH FIDELITY STORAGE AND RETRIEVAL OF QUANTUM INFORMATION IN A WARM ATOMIC VAPOR CELL DEVICE**
[54] **STOCKAGE ET RECUPERATION HAUTE FIDELITE D'INFORMATIONS QUANTIQUES DANS UN DISPOSITIF DE PILE A VAPEUR ATOMIQUE CHAUDE**
[72] NAMAZI, MEHDI, US
[72] FLAMENT, MAEL, US
[72] WANG, YANG, US
[72] CRADDOCK, ALEXANDER, US
[71] QUNNECT, INC., US
[85] 2023-07-17
[86] 2022-02-04 (PCT/US2022/015299)
[87] (WO2022/170086)
[30] US (63/146,201) 2021-02-05
[30] US (63/245,763) 2021-09-17

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[51] **Int.Cl. B01D 3/10 (2006.01)**
[25] EN
[54] **PRESSURE DISTILLATION APPARATUS**
[54] **APPAREIL DE DISTILLATION SOUS PRESSION**
[72] FREGOSO, GILBERT, CA
[71] EVO EXTRACTS INC., CA
[85] 2023-08-15
[86] 2022-02-18 (PCT/CA2022/050241)
[87] (WO2022/178625)
[30] US (63/152,767) 2021-02-23
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[13] A1
[51] **Int.Cl. F16M 11/04 (2006.01) F16M 11/14 (2006.01) F21V 21/29 (2006.01) G08B 13/196 (2006.01)**
[25] EN
[54] **MODULAR FLOODLIGHT SYSTEM**
[54] **SYSTEME DE PROJECTEUR MODULAIRE**
[72] SHIH, POLL, US
[72] LIU, CHE-WEI, US
[72] LIU, CHIA-CHI, US
[72] CHOU, WEN-PIN, US
[71] GOOGLE LLC, US
[85] 2023-08-15
[86] 2021-08-02 (PCT/US2021/044212)
[87] (WO2022/177600)
[30] US (17/178,804) 2021-02-18

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[13] A1
[51] **Int.Cl. B65D 21/02 (2006.01)**
[25] EN
[54] **CONNECTABLE CONTACT LENS PACKAGES FOR RECYCLING**
[54] **EMBALLAGES DE LENTILLES DE CONTACT POUVANT ETRE RACCORDES POUR RECYCLAGE**
[72] RIVERA VELEZ, JESUS JAVIER, US
[72] ALAYON RIVERA, JAVIER E., US
[72] BURGOS CRUZ, JOSE A., US
[72] SIEVENS FIGUEROA, LUCAS, US
[71] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2023-08-15
[86] 2022-07-20 (PCT/GB2022/051871)
[87] (WO2023/007123)
[30] US (63/225,976) 2021-07-27

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[13] A1
[51] **Int.Cl. A45C 11/00 (2006.01) B65D 21/02 (2006.01) B65D 75/32 (2006.01)**
[25] EN
[54] **A PACKAGED CONTACT LENS**
[54] **LENTILLE DE CONTACT CONDITIONNEE**
[72] RIVERA VELEZ, JESUS JAVIER, US
[72] ALAYON RIVERA, JAVIER E., US
[72] BURGOS CRUZ, JOSE A., US
[72] SIEVENS FIGUEROA, LUCAS, US
[71] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2023-08-15
[86] 2022-07-20 (PCT/GB2022/051883)
[87] (WO2023/007126)
[30] US (63/225,976) 2021-07-27
[30] US (63/347,732) 2022-06-01
[30] US (63/350,238) 2022-06-08

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[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) A61K 38/16 (2006.01) A61K 38/18 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF INFLAMMATORY DISEASE OR PAIN, COMPRISING MESENCHYMAL STEM CELLS EXPRESSING PTX-3, TIMP1 AND BDNF AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE POUR PREVENIR OU TRAITER UNE MALADIE INFLAMMATOIRE OU UNE DOULEUR, COMPRENANT DES CELLULES SOUCHES MESENCHYMATEUSES EXPRIMANT PTX-3, TIMP1 ET BDNF EN TA NT QUE PRINCIPE ACTIF**
[72] YANG, YOON SUN, KR
[72] OH, WONIL, KR
[72] CHOI, SOO JIN, KR
[72] JIN, HYE JIN, KR
[72] BAE, YUN KYUNG, KR
[72] LEE, MINJU, KR
[71] MEDIPOST CO., LTD., KR
[85] 2023-07-17
[86] 2021-11-29 (PCT/KR2021/017772)
[87] (WO2022/158698)
[30] KR (10-2021-0009736) 2021-01-22

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[51] **Int.Cl. C07K 17/02 (2006.01) A61K 47/69 (2017.01) A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 38/00 (2006.01) A61K 38/12 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL BICYCLIC PEPTIDES**
[54] **NOUVEAUX PEPTIDES BICYCLIQUES**
[72] RAO, SUDHA, AU
[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2023-07-18
[86] 2022-01-19 (PCT/AU2022/050023)
[87] (WO2022/155704)
[30] AU (2021900114) 2021-01-19

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[13] A1
[51] **Int.Cl. E01H 3/02 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **UNMANNED VEHICLE MANAGEMENT SYSTEM AND UNMANNED VEHICLE MANAGEMENT METHOD**
[54] **SYSTEME DE GESTION DE VEHICULE SANS PILOTE ET PROCEDE DE GESTION DE VEHICULE SANS PILOTE**
[72] TAKEDA, KAZUMA, JP
[72] HIRANAKA, TAKASHI, JP
[72] OSAGAWA, KENTA, JP
[71] KOMATSU LTD., JP
[85] 2023-07-17
[86] 2022-01-05 (PCT/JP2022/000115)
[87] (WO2022/176414)
[30] JP (2021-023449) 2021-02-17

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[13] A1
[51] **Int.Cl. C25B 1/23 (2021.01) C25B 9/19 (2021.01) B01D 53/32 (2006.01) B01D 53/62 (2006.01) B01J 19/08 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PERFORMING ELECTROLYTIC CONVERSION**
[54] **PROCEDES ET APPAREIL POUR EFFECTUER UNE CONVERSION ELECTROLYTIQUE**
[72] ZHANG, ZISHUAI, CA
[72] BERLINGUETTE, CURTIS P., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2023-07-18
[86] 2022-01-21 (PCT/CA2022/050094)
[87] (WO2022/155754)
[30] US (63/140,176) 2021-01-21

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[13] A1
[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) H01M 4/48 (2010.01)**
[25] EN
[54] **NON-AQUEOUS ELECTROLYTE SOLUTION FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME**
[54] **ELECTROLYTE NON AQUEUX POUR BATTERIE SECONDAIRE AU LITHIUM ET BATTERIE SECONDAIRE AU LITHIUM LE COMPRENANT**
[72] PARK, SUNG GUK, KR
[72] LEE, CHUL HAENG, KR
[72] OH, JEONG WOO, KR
[72] PARK, BYUNG CHUN, KR
[72] KIM, HYUNG TAE, KR
[72] SEO, YOUNG MI, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2023-07-17
[86] 2022-08-18 (PCT/KR2022/012370)
[87] (WO2023/022544)
[30] KR (10-2021-0110204) 2021-08-20

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[13] A1
[51] **Int.Cl. F02K 9/26 (2006.01) F02K 9/08 (2006.01) C06B 45/00 (2006.01)**
[25] EN
[54] **ROCKET MOTOR**
[54] **MOTEUR-FUSEE**
[72] CESARONI, ANTHONY JOSEPH, US
[72] LARSON, JERRY, US
[71] CESARONI AEROSPACE INCORPORATED, US
[85] 2023-07-17
[86] 2022-02-11 (PCT/US2022/016108)
[87] (WO2022/216362)
[30] US (63/151,247) 2021-02-19

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[13] A1
[51] **Int.Cl. A61F 2/28 (2006.01) B29C 64/165 (2017.01) A61F 2/30 (2006.01)**
[25] EN
[54] **PARTICLES CONTAINING COLORING AGENTS AND METHODS OF USING THE SAME**
[54] **PARTICULES CONTENANT DES AGENTS COLORANTS ET PROCEDES POUR LES UTILISER**
[72] PIERRE, BRENNAL, US
[72] SHAH, VANDAN K., US
[72] CHIN, WILLIAM, US
[71] EPHEMERAL SOLUTIONS, INC., US
[85] 2023-07-17
[86] 2022-02-11 (PCT/US2022/016181)
[87] (WO2022/174078)
[30] US (63/148,895) 2021-02-12

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[51] **Int.Cl. C12N 9/78 (2006.01) C12N 15/11 (2006.01) C12N 15/86 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **RECOMBINANT RABIES VIRUSES FOR GENE THERAPY**
[54] **VIRUS DE LA RAGE RECOMBINANTS POUR THERAPIE GENIQUE**
[72] RAN, FEI, US
[72] LIN, CHIEYU, US
[71] BEAM THERAPEUTICS INC., US
[85] 2023-07-17
[86] 2022-02-18 (PCT/US2022/017075)
[87] (WO2022/178307)
[30] US (63/151,542) 2021-02-19
[30] US (63/241,989) 2021-09-08

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[13] A1
[51] **Int.Cl. A61K 8/362 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITION COMPRISING OXALIC ACID**
[54] **COMPOSITION DE SOIN BUCCODENTAIRE COMPRENANT DE L'ACIDE OXALIQUE**
[72] DRAKE, PHILLIP ASA, US
[72] GROTH, ANDREW FREDERIC, US
[72] HARE, TIFFANY CELESTE, US
[72] SAGEL, PAUL ALBERT, US
[72] TRENNER, RACHEL ANNE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2023-07-17
[86] 2022-01-21 (PCT/US2022/070279)
[87] (WO2022/165466)
[30] US (63/143,968) 2021-02-01

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[51] **Int.Cl. A61K 8/362 (2006.01) A61K 8/73 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL COMPOSITION COMPRISING OXALIC ACID**
[54] **COMPOSITION ORALE COMPRENANT DE L'ACIDE OXALIQUE**
[72] DRAKE, PHILLIP ASA, US
[72] GROTH, ANDREW FREDERIC, US
[72] HARE, TIFFANY CELESTE, US
[72] SAGEL, PAUL ALBERT, US
[72] TRENNER, RACHEL ANNE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2023-07-17
[86] 2022-01-21 (PCT/US2022/070280)
[87] (WO2022/165467)
[30] US (63/143,970) 2021-02-01

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[51] **Int.Cl. A61K 31/407 (2006.01) A61K 31/397 (2006.01) C07D 227/02 (2006.01) C07D 403/02 (2006.01)**
[25] EN
[54] **CDK2 INHIBITORS AND METHODS OF USING THE SAME**
[54] **INHIBITEURS DE CDK2 ET LEURS PROCEDES D'UTILISATION**
[72] KIRMAN, LOUISE CLARE, US
[72] SCHWARTZ, CARL ERIC, US
[72] MICHOWSKI, WOJTEK, US
[72] PORTER, DALE A., JR., US
[72] RIPPER, JUSTIN, AU
[72] FEUTRILL, JOHN, AU
[72] SHERRILL, JOHN PAUL, US
[72] BLAISDELL, THOMAS P., US
[71] CEDILLA THERAPEUTICS, INC., US
[85] 2023-07-17
[86] 2022-01-28 (PCT/US2022/070409)
[87] (WO2022/165513)
[30] US (63/143,360) 2021-01-29

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[51] **Int.Cl. A01K 1/015 (2006.01) A01K 1/01 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **PET TRAINING PAD HAVING UPSTANDING BORDER**
[54] **COMPRESSE D'APPRENTISSAGE POUR ANIMAL DE COMPAGNIE DOTEE D'UNE BORDURE VERTICALE**
[72] AXELROD, GLEN S., US
[72] GAJRIA, AJAY, US
[72] ECHEVERRI, DIANA M., US
[71] FOUR PAWS PRODUCTS, LTD., US
[85] 2023-07-17
[86] 2022-02-01 (PCT/US2022/070453)
[87] (WO2022/165534)
[30] US (63/199,899) 2021-02-01
[30] US (63/201,160) 2021-04-15

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 27/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODIES BINDING PD-L1 AND USES THEREOF**
[54] **ANTICORPS DE LIAISON A PD-L1 ET LEURS UTILISATIONS**
[72] LI, JIANGMEI, CN
[72] HU, WENQI, CN
[72] LI, FENG, CN
[71] BEIJING MABWORKS BIOTECH CO., LTD., CN
[85] 2023-07-18
[86] 2021-08-30 (PCT/CN2021/115301)
[87] (WO2022/193561)
[30] CN (202110284404.8) 2021-03-16

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[51] **Int.Cl. E04H 4/12 (2006.01) E02B 15/08 (2006.01) E04H 4/16 (2006.01)**
[25] EN
[54] **SKIMMER APPARATUS**
[54] **APPAREIL ECUMEUR**
[72] BERTRAND, JACQUES JEAN, FR
[72] BERTRAND, GWENAELLE LUCIENNE MARIE, FR
[71] POOLFAST, FR
[85] 2023-07-18
[86] 2022-02-02 (PCT/EP2022/052504)
[87] (WO2022/167494)
[30] EP (21155237.7) 2021-02-04

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[51] **Int.Cl. B60B 7/02 (2006.01) B60B 7/06 (2006.01) B60B 7/08 (2006.01) B60B 7/00 (2006.01)**
[25] EN
[54] **IMPROVED SNAP-ON AUTOMOTIVE WHEEL COVER OVERLAY WITH EXTENDED SURROUND AND METHOD OF MANUFACTURING THE SAME**
[54] **ENJOLIVEUR DE ROUE AUTOMOBILE AMELIORE, A ENCLIQUETAGE, AVEC CONTOUR ETENDU ET SON PROCEDE DE FABRICATION**
[72] FATTOUCHE, NAJE, US
[71] FATTOUCHE, NAJE, US
[85] 2023-07-18
[86] 2021-07-26 (PCT/US2021/010028)
[87] (WO2022/159066)
[30] US (17/153,558) 2021-01-20
[30] US (17/206,893) 2021-03-19

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **GARP PROTEIN ANTIBODY AND APPLICATION THEREOF**
[54] **ANTICORPS DE PROTEINE GARP ET SON APPLICATION**
[72] ZHANG, JIANJIAN, CN
[72] PAN, ZHONGZONG, CN
[72] YANG, XINXIU, CN
[72] LIU, XIAOWU, CN
[72] YANG, LU, CN
[72] LIU, PEIPEI, CN
[72] CAO, XIAODAN, CN
[72] DENG, SUJUN, CN
[72] WANG, XUEPING, CN
[71] SHANGHAI JEMINCARE PHARMACEUTICAL CO., LTD., CN
[71] JIANGXI JEMINCARE GROUP CO., LTD., CN
[85] 2023-07-18
[86] 2022-01-17 (PCT/CN2022/072265)
[87] (WO2022/152285)
[30] CN (202110065290.8) 2021-01-18

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[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **SYNTHESIS METHOD FOR AMINOPYRIMIDINE FAK INHIBITOR COMPOUND**
[54] **PROCEDE DE SYNTHESE D'UN COMPOSE INHIBITEUR D'AMINOPYRIMIDINE FAK**
[72] DU, WU, CN
[72] LV, HAIBIN, CN
[72] LI, YU, CN
[72] KUANG, TONGTAO, CN
[72] GENG, XI, CN
[71] HINOVA PHARMACEUTICALS INC., CN
[85] 2023-07-18
[86] 2022-01-18 (PCT/CN2022/072552)
[87] (WO2022/152315)
[30] CN (202110063534.9) 2021-01-18

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[51] **Int.Cl. B66D 3/16 (2006.01) B66D 3/20 (2006.01)**
[25] EN
[54] **LIFTING GEAR**
[54] **DISPOSITIF DE LEVAGE**
[72] STRUCK, DETLEF, DE
[71] COLUMBUS MCKINNON INDUSTRIAL PRODUCTS GMBH, DE
[85] 2023-07-18
[86] 2021-11-29 (PCT/DE2021/100947)
[87] (WO2022/156839)
[30] DE (10 2021 101 058.6) 2021-01-19

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[51] **Int.Cl. A63C 17/12 (2006.01) A63C 17/01 (2006.01) A63C 17/16 (2006.01) A63C 17/26 (2006.01)**
[25] EN
[54] **LEAN-TO-STEER DEVICES WITH ACTIVE STEERING RESPONSES**
[54] **DISPOSITIFS DE DIRECTION PAR MOUVEMENT DE PENCHER AYANT DES REPONSES DE DIRECTION ACTIVES**
[72] SMITH, COREY C., US
[71] SMITH, COREY C., US
[85] 2023-07-18
[86] 2021-01-18 (PCT/US2021/013832)
[87] (WO2022/154809)

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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **DETERMINING THE RESOURCE ELEMENTS FOR TRANSPORT BLOCK SIZE DETERMINATION FOR A TRANSPORT BLOCK SPANNING MULTIPLE SLOTS**
[54] **DETERMINATION DES ELEMENTS DE RESSOURCES POUR LA DETERMINATION DE TAILLE DE BLOC DE TRANSPORT POUR UN BLOC DE TRANSPORT COUVRANT DE MULTIPLES CRENEAUX**
[72] NHAN, NHAT-QUANG, FR
[72] LADDU, KEETH SALIYA JAYASINGHE, FI
[72] MASO, MARCO, FR
[72] MARCONE, ALESSIO, DE
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2023-07-18
[86] 2021-12-31 (PCT/EP2021/087893)
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[30] US (63/138,677) 2021-01-18

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[13] A1
[51] **Int.Cl. A61L 26/00 (2006.01) A61K 8/73 (2006.01) A61K 31/21 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **BIO-BASED WOUND CLOSURE PREPARATION**
[54] **PREPARATION DE FERMETURE DE PLAIE A BASE BIOLOGIQUE**
[72] OSORIO BLANCO, ERNESTO RAFAEL, DE
[72] SCHRODER, SARA, DE
[71] BEIERSDORF AG, DE
[85] 2023-07-18
[86] 2022-01-12 (PCT/EP2022/050552)
[87] (WO2022/167183)
[30] DE (10 2021 200 975.1) 2021-02-03

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[51] **Int.Cl. H04N 13/117 (2018.01)**
[25] EN
[54] **AN IMAGE SYNTHESIS SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME DE SYNTHESE D'IMAGES ET PROCEDE ASSOCIE**
[72] VAN GEEST, BARTOLOMEUS WILHELMUS DAMIANUS, NL
[72] KROON, BART, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2023-07-18
[86] 2022-01-13 (PCT/EP2022/050573)
[87] (WO2022/157052)
[30] EP (21152810.4) 2021-01-21

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[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01) C07K 14/005 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **CORONAVIRUS IMMUNOGENIC COMPOSITIONS, METHODS AND USES THEREOF**
[54] **COMPOSITIONS IMMUNOGENES DE CORONAVIRUS, METHODES ET UTILISATIONS DE CELLES-CI**
[72] PLEGUEZUELOS, OLGA, GB
[72] DUNCAN, KIMBRELL, CH
[71] CONSERV BIOSCIENCE LIMITED, GB
[85] 2023-07-18
[86] 2022-01-18 (PCT/EP2022/051018)
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[30] US (63/138,740) 2021-01-18

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C09D 5/02 (2006.01)**
[25] EN
[54] **CURING INDICATOR PRINTING COATING**
[54] **REVETEMENT D'IMPRESSION INDICATEUR DE DURCISSEMENT**
[72] CONRAD, NILS, DE
[72] KOPETZKI, DANIEL, DE
[72] FANDRICH, BJORN, DE
[72] KAMPHUIS, FRANK, DE
[71] ACTEGA TERRA GMBH, DE
[85] 2023-07-18
[86] 2022-02-09 (PCT/EP2022/053080)
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[30] EP (21158489.1) 2021-02-22

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[13] A1
[51] **Int.Cl. F27B 7/32 (2006.01) F27D 3/00 (2006.01) F27D 3/18 (2006.01)**
[25] EN
[54] **RAW MEAL DELIVERY DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE FARINE CRUE**
[72] MERSMANN, MATTHIAS, DE
[71] KHD HUMBOLDT WEDAG GMBH, DE
[85] 2023-07-18
[86] 2022-01-19 (PCT/EP2022/051056)
[87] (WO2022/157163)
[30] DE (10 2021 100 941.3) 2021-01-19

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[13] A1
[51] **Int.Cl. A61K 51/08 (2006.01) A61P 5/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PRECURSOR AND RADIOTRACER FOR NEUROENDOCRINE THERANOSTICS**
[54] **PRECURSEUR ET RADIOTRACEUR POUR THERANOSTIQUE NEUROENDOCRINE**
[72] ROSCH, FRANK, DE
[72] MECKEL, MARIAN, DE
[72] MARX, SEBASTIAN, DE
[72] BAUM, RICHARD, DE
[71] POSITRON PRECISION GMBH, DE
[85] 2023-07-18
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[87] (WO2022/233768)
[30] DE (10 2021 111 452.7) 2021-05-04

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[13] A1
[51] **Int.Cl. B01D 21/24 (2006.01)**
[25] EN
[54] **FEED DILUTION APPARATUS FOR THICKENER/CLARIFIERS**
[54] **APPAREIL DE DILUTION D'ALIMENTATION POUR EPAISSISSANT/CLARIFICATEURS**
[72] LEE, JOON WON, US
[72] SOK, THIEN, US
[72] SCHOENBRUNN, FRED, US
[72] PLISKA, BRIAN, US
[72] SRINIVASAN, MUTHU, US
[71] FLSMIDTH A/S, DK
[85] 2023-07-18
[86] 2022-01-25 (PCT/IB2022/050652)
[87] (WO2022/157748)
[30] US (63/141,182) 2021-01-25
[30] US (63/257,946) 2021-10-20

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[13] A1
[51] **Int.Cl. E21B 43/38 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **HELIX HUB WITH IMPROVED TWO-PHASE SEPARATION**
[54] **MOYEU D'HELICE A SEPARATION EN DEUX PHASES AMELIOREE**
[72] NEWPORT, CASEY LAINE, US
[72] BROWN, DONN, JASON, US
[72] SHETH, KETANKUMAR, KANTILAL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-07-18
[86] 2021-06-24 (PCT/US2021/038877)
[87] (WO2022/231638)
[30] US (63/181,602) 2021-04-29
[30] US (17/354,535) 2021-06-22

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[13] A1
[51] **Int.Cl. H04L 41/0866 (2022.01) H04L 41/0859 (2022.01)**
[25] EN
[54] **TIERED UPDATING OF CONFIGURATION DATA IN A CONTENT DELIVERY NETWORK**
[54] **MISE A JOUR ETAGEE DE DONNEES DE CONFIGURATION DANS UN RESEAU DE DISTRIBUTION DE CONTENU**
[72] LIPSTONE, LAURENCE, US
[72] JENSEN, DANIEL, US
[72] POWER, WILLIAM, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2023-07-18
[86] 2021-06-29 (PCT/US2021/039570)
[87] (WO2022/159135)
[30] US (63/139,082) 2021-01-19

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 21/00 (2006.01)**
[25] EN
[54] **PROTECTIVE DEVICE FOR CERAMIC PIECES**
[54] **DISPOSITIF DE PROTECTION DE PIECES EN CERAMIQUE**
[72] SANCHEZ GOMEZ, SANTIAGO, ES
[71] GERMANS BOADA, S.A., ES
[85] 2023-07-18
[86] 2021-11-04 (PCT/ES2021/070793)
[87] (WO2023/079191)

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[13] A1
[51] **Int.Cl. C07D 211/18 (2006.01) A61K 31/4192 (2006.01) A61K 31/44 (2006.01) A61P 3/10 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07D 205/04 (2006.01) C07D 209/02 (2006.01) C07D 211/34 (2006.01) C07D 211/70 (2006.01) C07D 223/04 (2006.01) C07D 249/06 (2006.01) C07D 255/02 (2006.01) C07D 261/08 (2006.01) C07D 403/10 (2006.01)**
[25] EN
[54] **HETEROCYCLIC P2Y 14 RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES HETEROCYCLIQUES DU RECEPTEUR P2Y14**
[72] JACOBSON, KENNETH A., US
[72] JUNG, YOUNG-HWAN, US
[72] WEN, ZHIWEI, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2023-07-18
[86] 2022-01-05 (PCT/US2022/011226)
[87] (WO2022/155037)
[30] US (63/138,581) 2021-01-18

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[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) A42B 1/08 (2006.01) A42B 3/00 (2006.01) A42B 3/10 (2006.01) A42B 3/12 (2006.01) A42B 3/22 (2006.01) A42B 3/28 (2006.01)**
[25] EN
[54] **REMOVABLE VISOR FOR A HELMET**
[54] **VISIERE AMOVIBLE POUR CASQUE**
[72] POSTOLEK, FILIP, US
[71] POSTOLEK, FILIP, US
[85] 2023-07-18
[86] 2022-01-18 (PCT/US2022/012714)
[87] (WO2022/159364)
[30] US (63/139,073) 2021-01-19

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01) G10L 19/22 (2013.01)**
[25] EN
[54] **TRANSFORMING SPATIAL AUDIO PARAMETERS**
[54] **TRANSFORMATION DE PARAMETRES AUDIO SPATIAUX**
[72] VASILACHE, ADRIANA, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2023-07-18
[86] 2021-01-18 (PCT/FI2021/050023)
[87] (WO2022/152960)

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[13] A1
[51] **Int.Cl. A61K 9/06 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 15/00 (2006.01) A61P 15/02 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **LUBRICANT**
[54] **LUBRIFIANT**
[72] TOWELL, PHILIP, GB
[72] DANG-UTAI, NATTHIRA, TH
[71] RECKITT BENCKISER HEALTH LIMITED, GB
[85] 2023-07-18
[86] 2022-01-18 (PCT/GB2022/050134)
[87] (WO2022/153066)
[30] GB (2100631.7) 2021-01-18
[30] TH (2101007077) 2021-11-15

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[13] A1
[51] **Int.Cl. C25B 11/051 (2021.01) C25B 11/073 (2021.01) C25B 1/26 (2006.01)**
[25] EN
[54] **ELECTRODE MANUFACTURING METHOD AND MANUFACTURING DEVICE, AND ELECTRODE OBTAINED THEREWITH**
[54] **PROCEDE DE FABRICATION ET DISPOSITIF DE FABRICATION D'ELECTRODE, ET ELECTRODE OBTENUE AINSI**
[72] AWALUDIN, ZAENAL, JP
[72] NISHIKI, YOSHINORI, JP
[71] DE NORA PERMELEC LTD, JP
[85] 2023-07-18
[86] 2022-01-06 (PCT/JP2022/000182)
[87] (WO2022/158296)
[30] JP (2021-006362) 2021-01-19

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[13] A1
[51] **Int.Cl. A01G 13/02 (2006.01) A01G 9/14 (2006.01) A01G 9/24 (2006.01)**
[25] EN
[54] **TUNNEL STRUCTURE**
[54] **STRUCTURE DE TUNNEL**
[72] CHAVEZ, OSCAR, GB
[71] HAYGROVE LIMITED, GB
[85] 2023-07-18
[86] 2022-01-27 (PCT/GB2022/050212)
[87] (WO2022/162365)
[30] GB (2101076.4) 2021-01-27

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[13] A1
[51] **Int.Cl. C12N 15/31 (2006.01) A61K 38/55 (2006.01) A61P 1/00 (2006.01) A61P 31/00 (2006.01) C12N 1/20 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITION FOR DECOMPOSITION OF TRYPSIN OR TMPRSS2**
[54] **COMPOSITION POUR LA DECOMPOSITION DE LA TRYPSINE OU DE TMPRSS2**
[72] LI YOUXIAN, JP
[72] WATANABE EIICHIRO, JP
[72] KAWASHIMA YUSUKE, JP
[72] WANG ZHUJUN, JP
[72] OHARA OSAMU, JP
[72] HONDA KENYA, JP
[72] ATARASHI KOJI, JP
[71] RIKEN, JP
[71] KEIO UNIVERSITY, JP
[85] 2023-07-18
[86] 2022-01-18 (PCT/JP2022/001494)
[87] (WO2022/158434)
[30] US (63/138,798) 2021-01-19
[30] US (63/229,077) 2021-08-04

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[13] A1
[51] **Int.Cl. C07C 29/94 (2006.01) C07C 29/76 (2006.01) C07C 31/20 (2006.01)**
[25] EN
[54] **REMOVAL OF SULFATE FROM MEG STREAMS USING CALCIUM CHLORIDE**
[54] **ELIMINATION DE SULFATE A PARTIR DE FUX DE MEG A L'AIDE DE CHLORURE DE CALCIUM**
[72] MESSENGER, BRIAN EDWARD, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-07-18
[86] 2022-01-18 (PCT/US2022/012724)
[87] (WO2022/155584)
[30] US (63/138,670) 2021-01-18

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[13] A1
[51] **Int.Cl. H01Q 5/00 (2015.01) H01Q 5/30 (2015.01) H01Q 1/12 (2006.01) H01Q 9/16 (2006.01) H01Q 21/30 (2006.01)**
[25] EN
[54] **DUAL-POLARIZED MULTI-BAND BASE STATION ANTENNA ARRAYS**
[54] **RESEAUX D'ANTENNES DE STATION DE BASE MULTIBANDES A DOUBLE POLARISATION**
[72] DADGARPOUR, ABDOLMEHDI, CA
[72] JOLANI, FARID, CA
[72] FARZANEH, SADEGH, CA
[72] VAN BEEK, JACCO, CA
[72] YU, ZHIHUA, CA
[71] GALTRONICS USA, INC., US
[85] 2023-07-18
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[87] (WO2022/155586)
[30] US (63/138,659) 2021-01-18

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[51] **Int.Cl. C11C 5/00 (2006.01) F21V 35/00 (2006.01) F23D 3/16 (2006.01) F23D 3/18 (2006.01)**
[25] EN
[54] **SUSTAINABLE CANDLES AND METHODS**
[54] **BOUGIES DURABLES ET PROCEDES**
[72] CALDWELL, JR., ROBERT E., US
[72] OBANDO, RICARDO, US
[71] VOTIVO, LLC, US
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[86] 2022-01-18 (PCT/US2022/012777)
[87] (WO2022/159389)
[30] US (63/138,892) 2021-01-19
[30] US (17/567,367) 2022-01-03

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/31 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **INTRANASAL FORMULATIONS AND DELIVERY OF SOMATOSTATIN MIMETICS AND USES THEREOF**
[54] **FORMULATIONS INTRANASALES ET ADMINISTRATION DE MIMETIQUES DE SOMATOSTATINE ET LEURS UTILISATIONS**
[72] PRICE, FREDRIC D., US
[72] FRANKEL, BARRY R., US
[72] BEVEC, DORIAN, DE
[72] WASIEWSKI, WARREN, US
[71] NBO PHARMA LLC, US
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[30] US (63/139,893) 2021-01-21

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 34/06 (2006.01) E21B 43/14 (2006.01)**
[25] EN
[54] **TELESCOPING TRANSITION JOINT FOR THE PROTECTION OF CONTROL LINES AND OTHER TOOLS AND COMPONENTS**
[54] **JOINT DE TRANSITION TELESCOPIQUE POUR LA PROTECTION DE LIGNES DE COMMANDE ET D'AUTRES OUTILS ET COMPOSANTS**
[72] ROSAS FERMIN, EULALIO DE JESUS, US
[72] ROBERTS, JUSTIN MARK, CA
[72] STEELE, DAVID JOE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2022-02-04 (PCT/US2022/015192)
[87] (WO2022/220910)
[30] US (63/176,038) 2021-04-16
[30] US (17/585,239) 2022-01-26

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[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **AGENTS, COMPOSITIONS, AND METHODS FOR THE TREATMENT OF HYPOXIA AND ISCHEMIA-RELATED DISORDERS**
[54] **AGENTS, COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE TROUBLES LIES A L'HYPOXIE ET A L'ISCHEMIE**
[72] ANNEX, BRIAN H., US
[71] MERAND PHARMACEUTICALS, INC., US
[85] 2023-07-18
[86] 2022-02-11 (PCT/US2022/016228)
[87] (WO2022/174113)
[30] US (63/148,940) 2021-02-12

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[51] **Int.Cl. C23C 14/08 (2006.01) C23C 14/30 (2006.01) C23C 14/54 (2006.01) F01D 5/28 (2006.01)**
[25] EN
[54] **CHEMICALLY COMPLEX CERAMIC ABRADABLE SEALANT MATERIALS**
[54] **MATERIAUX D'AGENT D'ETANCHEITE ABRADABLE EN CERAMIQUE CHIMIQUEMENT COMPLEXES**
[72] HARRINGTON, TYLER, US
[72] LEE, HWASOO, US
[72] SHAROBEM, TIMOTHY TADROS, US
[72] SZYNDELMAN, GREGORY, CH
[71] OERLIKON METCO (US) INC., US
[85] 2023-07-18
[86] 2022-03-16 (PCT/US2022/020587)
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[30] US (63/162,228) 2021-03-17

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[25] EN
[54] **COMPOSITIONS OF MILK AND ENZYMES FOR ADULT NUTRITION**
[54] **COMPOSITIONS DE LAIT ET D'ENZYMES POUR LA NUTRITION D'ADULTES**
[72] MCNAUGHTON, NEVILLE, US
[71] ATR THRIVE LLC, US
[85] 2023-07-18
[86] 2022-01-19 (PCT/US2022/070251)
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[30] US (63/139,027) 2021-01-19

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[51] **Int.Cl. F41H 5/04 (2006.01) F41H 7/04 (2006.01)**
[25] EN
[54] **IMPACT RESISTANT PROTECTIVE MATERIALS FOR INCREASED SAFETY IN HOSTILE ENVIRONMENTS**
[54] **MATERIAUX PROTECTEURS RESISTANT AUX IMPACTS POUR UNE SECURITE ACCRUE DANS DES ENVIRONNEMENTS HOSTILES**
[72] COLA, GARY M., US
[71] COLA, GARY M., US
[85] 2023-07-11
[86] 2022-03-14 (PCT/US2022/020247)
[87] (WO2022/203894)
[30] US (63/136,283) 2021-01-12

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[51] **Int.Cl. A61M 25/088 (2006.01) A61M 25/18 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **TREATMENT CATHETER INCLUDING REMOVABLE HUB AND RELATED METHODS**
[54] **CATHETER DE TRAITEMENT COMPRENANT UNE EMBASE AMOVIBLE ET METHODES ASSOCIEES**
[72] ALMUTAWA, MOHAMMAD, CA
[71] ALMUTAWA, MOHAMMAD, CA
[85] 2023-07-18
[86] 2022-01-20 (PCT/CA2022/050082)
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[30] US (63/139,866) 2021-01-21

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[51] **Int.Cl. B01D 15/18 (2006.01) C07K 1/16 (2006.01) G01N 30/60 (2006.01)**
[25] EN
[54] **PARALLEL CHROMATOGRAPHY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CHROMATOGRAPHIE EN PARALLELE**
[72] CONNER, JEREMY S., US
[72] HUNTER, GLENN M., US
[72] SHOEMAKER, KENNETH, US
[72] SOICE, NEIL, US
[72] WYLIE, BRET, US
[72] FLYNN, JOHN B., US
[72] KAEONIL, NAKORN, US
[72] NGUYEN, THUY N., US
[72] SINGH, SIDDHARTH, US
[71] AMGEN INC., US
[85] 2023-07-18
[86] 2022-02-17 (PCT/US2022/016685)
[87] (WO2022/191971)
[30] US (63/159,176) 2021-03-10

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[51] **Int.Cl. A61B 5/055 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR HARMONIZATION OF IMAGING DATASETS INCLUDING BIOMARKERS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'HARMONISATION D'ENSEMBLES DE DONNEES D'IMAGERIE COMPRENANT DES BIOMARQUEURS**
[72] CLARK, SAMUEL, US
[72] WENGLER, KENNETH, US
[72] HORGA HERNANDEZ, GUILLERMO, US
[71] TERRAN BIOSCIENCES, INC., US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[71] THE RESEARCH FOUNDATION FOR MENTAL HEALTH HYGIENE, INC., US
[85] 2023-07-18
[86] 2022-03-11 (PCT/US2022/020036)
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[30] US (63/159,915) 2021-03-11

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[51] **Int.Cl. A61J 1/20 (2006.01) B01L 9/00 (2006.01)**
[25] EN
[54] **SECURE RECONSTITUTION DEVICE**
[54] **DISPOSITIF DE RECONSTITUTION FIXE**
[72] VIENS, MATHIEU, CA
[72] HAMEL, SIMON, CA
[72] CLOUTIER, SYLVAIN, CA
[71] DUOJECT MEDICAL SYSTEMS INC., CA
[85] 2023-07-19
[86] 2021-12-21 (PCT/CA2021/000106)
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[30] CA (3,103,497) 2020-12-22

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[13] A1
[51] **Int.Cl. H05H 1/46 (2006.01)**
[25] EN
[54] **INDUCTIVELY COUPLED PLASMA TORCHES AND METHODS AND SYSTEMS INCLUDING SAME**
[54] **TORCHES A PLASMA A COUPLAGE INDUCTIF ET PROCEDES ET SYSTEMES LES COMPRENANT**
[72] CHEUNG, TAK SHUN, CA
[72] WONG, CHUI HA CINDY, CA
[72] FISHER, WILLIAM, CA
[72] BADIEI, HAMID R., CA
[71] PERKINELMER HEALTH SCIENCES CANADA ULC, CA
[85] 2023-07-19
[86] 2022-01-11 (PCT/CA2022/050033)
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[30] US (17/152,507) 2021-01-19

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[13] A1
[51] **Int.Cl. A01G 31/02 (2006.01) A01G 9/12 (2006.01) A01G 9/24 (2006.01)**
[25] EN
[54] **SYSTEM FOR ROTATING HORTICULTURE TOWERS**
[54] **SYSTEME DE ROTATION DE TOURS D'HORTICULTURE**
[72] DESLIPPE, BRADY, CA
[72] ZEMAN, TRISTAN, CA
[72] LAWSON, JONATHAN, CA
[71] 11778757 CANADA INC., CA
[85] 2023-07-19
[86] 2022-03-10 (PCT/CA2022/050348)
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[30] US (63/159,160) 2021-03-10

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[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **SUPER NOZZLE INJECTION FERMENTOR**
[54] **FERMENTATEUR D'INJECTION A SUPER-BUSE**
[72] LARSEN, EBBE BUSCH, DK
[71] UNIBIO TECH SCIENCE A/S, DK
[85] 2023-07-19
[86] 2022-02-03 (PCT/DK2022/050017)
[87] (WO2022/167051)
[30] DK (PA 2021 70054) 2021-02-04

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LRRC15 ANTIBODIES AND CONJUGATES THEREOF**
[54] **ANTICORPS LRRC15 ET LEURS CONJUGUES**
[72] TRAUTWEIN, MARK, DE
[72] HAGEMANN, URS BEAT, DE
[72] ELLINGER, PHILLIPP, DE
[72] MARSCH, STEPHAN, DE
[72] SCHUHMACHER, JOACHIM, DE
[72] WENGNER, ANTJE MARGRET, DE
[72] BJERKE, ROGER MALERBAKKEN, NO
[72] ROIDER, HELGE, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER AS, NO
[85] 2023-07-19
[86] 2022-01-17 (PCT/EP2022/050831)
[87] (WO2022/157094)
[30] EP (21152886.4) 2021-01-22

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[51] **Int.Cl. C07B 59/00 (2006.01) A61K 51/08 (2006.01) A61K 51/12 (2006.01)**
[25] FR
[54] **PROCEDE DE PURIFICATION DE MACRO-AGREGATS DE SERUMALBUMINE HUMAINE RADIOMARQUES**
[54] **METHOD FOR PURIFICATION OF RADIOLABELLED MACROAGGREGATES HUMAN SERUM ALBUMIN**
[72] VERGOTE, THOMAS, BE
[72] MASSET, JULIEN, BE
[72] WARNIER, CORENTIN, BE
[72] MORELLE, JEAN-LUC, BE
[72] VRIAMONT, CHARLES, BE
[72] BLANC-BEGUIN, FREDERIQUE, FR
[72] LEROUX, PIERRE-YVES, FR
[72] EU, PETER, AU
[71] TRASIS S.A, BE
[85] 2023-07-19
[86] 2022-01-24 (PCT/EP2022/051434)
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[30] BE (2021/5067) 2021-01-28

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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MULTISPECIFIC ANTIBODIES HAVING SPECIFICITY FOR ROR1 AND CD3**
[54] **ANTICORPS MULTISPECIFIQUES AYANT UNE SPECIFICITE POUR ROR1 ET CD3**
[72] CHATTERJEE, BITHI, CH
[72] SNELL, DANIEL, CH
[72] SIMONIN, ALEXANDRE, FR
[72] GUNDE, TEA, CH
[72] HESS, CHRISTIAN, CH
[72] WARMUTH, STEFAN, CH
[72] BROCK, MATTHIAS, CH
[72] TIETZ, JULIA, CH
[72] JOHANSSON, MARIA, CH
[72] SPIGA, FABIO MARIO, CH
[71] NUMAB THERAPEUTICS AG, CH
[85] 2023-07-19
[86] 2022-02-02 (PCT/EP2022/052425)
[87] (WO2022/167460)
[30] EP (21154786.4) 2021-02-02
[30] EP (PCT/EP2021/087618) 2021-12-23

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[51] **Int.Cl. C09K 11/02 (2006.01) H01L 33/50 (2010.01)**
[25] EN
[54] **A METHOD TO PREPARE POCKETS OF ENCAPSULATED MATERIAL COMPRISING A CORE SURROUNDED BY AN ENCAPSULATION**
[54] **PROCEDE DE PREPARATION DE POCHES DE MATERIAU ENCAPSULE COMPRENANT UN COEUR ENTOURE PAR UNE ENCAPSULATION**
[72] HENS, ZEGER, BE
[72] AUBERT, TANGI, FR
[71] UNIVERSITEIT GENT, BE
[85] 2023-07-19
[86] 2022-02-03 (PCT/EP2022/052565)
[87] (WO2022/167516)
[30] EP (21155510.7) 2021-02-05

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[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **NGF ISOFORM FOR USE IN THE TREATMENT OF OCULAR PATHOLOGIES**
[54] **ISOFORME NGF DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE PATHOLOGIES OCULAIRES**
[72] ARAMINI, ANDREA, IT
[72] AMENDOLA, PIER GIORGIO, IT
[72] SIRICO, ANNA, IT
[72] D'ANNIBALLE, GAETANO, IT
[72] CATTANI, FRANCA, IT
[72] ALLEGRETTI, MARCELLO, IT
[72] MANTELLI, FLAVIO, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2023-07-19
[86] 2022-02-04 (PCT/EP2022/052761)
[87] (WO2022/167607)
[30] EP (21155393.8) 2021-02-05

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[13] A1
[51] **Int.Cl. G01R 31/11 (2006.01) G01R 31/58 (2020.01) G01R 31/42 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING A SUPPLY LINE OF AN ELECTRICAL MACHINE FED FROM A FREQUENCY CONVERTER**
[54] **SYSTEME DE SURVEILLANCE D'UNE LIGNE D'ALIMENTATION D'UNE MACHINE ELECTRIQUE ALIMENTEE PAR UN CONVERTISSEUR DE FREQUENCE**
[72] HILSENBECK, STEFAN, DE
[71] LAPP ENGINEERING AG, CH
[85] 2023-07-14
[86] 2022-01-13 (PCT/EP2022/050578)
[87] (WO2022/157053)
[30] DE (10 2021 000 284.9) 2021-01-20

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[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **EXPANDABLE PACKER WITH ACTIVATABLE SEALING ELEMENT**
[54] **GARNITURE EXPANSIBLE AVEC ELEMENT D'ETANCHEITE ACTIVABLE**
[72] HOLDERMAN, LUKE WILLIAM, US
[72] EVERS, RUTGER, US
[72] LEAST, BRANDON THOMAS, US
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-07-19
[86] 2021-04-28 (PCT/US2021/029524)
[87] (WO2022/231579)
[30] US (17/240,186) 2021-04-26

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[51] **Int.Cl. E21B 33/128 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01) E21B 33/124 (2006.01)**
[25] EN
[54] **COLLAPSIBLE SHELL PACKER FOR METAL-TO-METAL SEALING**
[54] **GARNITURE D'ETANCHEITE A COQUE RETRACTABLE POUR UN SCELLEMENT METAL-METAL**
[72] OON, PENG HOOI, SG
[72] LOH, CHEE SING KELVIN, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-07-19
[86] 2021-06-15 (PCT/US2021/037318)
[87] (WO2022/260685)
[30] US (17/340,984) 2021-06-07

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[51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SELECTING CONDITIONS FOR MAKING INHALATION FORMULATIONS**
[54] **PROCEDES ET SYSTEMES DE SELECTION DE CONDITIONS POUR PREPARER DES FORMULATIONS D'INHALATION**
[72] WU, TIAN, US
[72] SCHNEIDER, MICHAEL, US
[72] KHALAF, RYAN, US
[72] SMYTH, HUGH, US
[72] BRUNAUGH, ASHLEE, US
[72] DING, LI, US
[71] AMGEN INC., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-07-19
[86] 2021-12-22 (PCT/US2021/064773)
[87] (WO2022/140497)
[30] US (63/130,063) 2020-12-23

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/02 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **MATURATION AGENT**
[54] **AGENT DE MATURATION**
[72] HIYOSHI, HIDEYUKI, JP
[72] YAMAZOE, NORIKO, JP
[72] TOYODA, TARO, JP
[72] KONAGAYA, SHUHEI, JP
[71] ORIZURU THERAPEUTICS, INC., JP
[85] 2023-07-18
[86] 2022-02-09 (PCT/JP2022/005137)
[87] (WO2022/172960)
[30] JP (2021-019120) 2021-02-09

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[13] A1
[51] **Int.Cl. G01S 15/89 (2006.01) A61B 8/00 (2006.01) G01N 29/00 (2006.01) G01S 7/52 (2006.01) G01S 7/524 (2006.01) G10K 11/34 (2006.01)**
[25] EN
[54] **FULL-ARRAY DIGITAL 3D ULTRASOUND IMAGING SYSTEM INTEGRATED WITH A MATRIX ARRAY TRANSDUCER**
[54] **SYSTEME D'IMAGERIE ULTRASONORE 3D NUMERIQUE A RESEAU COMPLET INTEGRE A UN TRANSDUCTEUR A RESEAU MATRICIEL**
[72] USTUNER, KUTAY, US
[72] STEWARD, CHAD, US
[72] DEA, DAVID, US
[72] STRODE, JONATHAN, US
[72] HAQUE, YUSUF, US
[72] WU, BICHENG WILLIAM, US
[72] BRADLEY, CHARLES, US
[72] CAI, ANMING, US
[71] EXO IMAGING, INC., US
[85] 2023-07-19
[86] 2022-01-06 (PCT/US2022/011417)
[87] (WO2023/132829)

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[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 7/10 (2006.01) C21D 9/08 (2006.01) C22C 38/58 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **DUPLEX STAINLESS STEEL PIPE AND METHOD FOR MANUFACTURING SAME**
[54] **TUYAU EN ACIER INOXYDABLE DUPLEX ET SON PROCEDE FABRICATION**
[72] SASAKI, SHUNSUKE, JP
[72] GOTO, SEIGO, JP
[72] YUGA, MASAO, JP
[72] KATSUMURA, TATSURO, JP
[72] KIJIMA, HIDEO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2023-07-18
[86] 2022-02-09 (PCT/JP2022/005176)
[87] (WO2022/196196)
[30] JP (2021-043498) 2021-03-17

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[13] A1
[51] **Int.Cl. H01B 13/00 (2006.01) H01M 10/052 (2010.01) H01M 10/0562 (2010.01) C01B 25/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LGPS-TYPE SOLID ELECTROLYTE**
[54] **PROCEDE DE PRODUCTION D'ELECTROLYTE SOLIDE DE TYPE LGPS**
[72] KONYA, MASASHI, JP
[72] TAMAI, KAZUKI, JP
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[85] 2023-07-18
[86] 2022-03-23 (PCT/JP2022/013405)
[87] (WO2022/215518)
[30] JP (2021-065248) 2021-04-07

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[13] A1
[51] **Int.Cl. B60L 55/00 (2019.01) B60L 53/16 (2019.01) B60L 53/24 (2019.01) B60L 53/66 (2019.01) H02M 3/00 (2006.01) H02M 7/08 (2006.01)**
[25] EN
[54] **CHARGING LOCATION SELECTABLE-TYPE ELECTRIC VEHICLE CHARGING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE CHARGE DE VEHICULE ELECTRIQUE DE TYPE SELECTIONNABLE PAR EMPLACEMENT DE CHARGE**
[72] LEE, SANG HWA, KR
[72] LEE, YOON WON, KR
[72] LEE, KYUNG JIN, KR
[71] FEC CO., LTD., KR
[85] 2023-07-18
[86] 2022-01-24 (PCT/KR2022/001219)
[87] (WO2022/164153)
[30] KR (10-2021-0010613) 2021-01-26
[30] KR (10-2021-0110407) 2021-08-20
[30] KR (10-2021-0125617) 2021-09-23

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[13] A1
[51] **Int.Cl. E01C 13/08 (2006.01) A01G 25/06 (2006.01) E01C 11/26 (2006.01) E01C 13/02 (2006.01) E02B 11/00 (2006.01)**
[25] EN
[54] **ROOT ZONE WARMING SYSTEM FOR NATURAL TURF ATHLETIC FIELD**
[54] **SYSTEME DE RECHAUFFEMENT DE ZONE RACINAIRE POUR TERRAIN D'ATHLETISME EN GAZON NATUREL**
[72] HEINLEIN, MARK, US
[71] TECHNOLOGY LICENSING CORP., US
[85] 2023-07-18
[86] 2022-01-12 (PCT/US2022/012111)
[87] (WO2022/155196)
[30] US (63/138,663) 2021-01-18

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/33 (2017.01) G06T 7/62 (2017.01)**
[25] EN
[54] **IMAGE BASED MEASUREMENT ESTIMATION**
[54] **ESTIMATION DE MESURE BASEE SUR UNE IMAGE**
[72] AFSHAR, ESTELLE, US
[72] WANG, YUANBO, US
[72] PERTUIT, STEPHANIE, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2023-07-19
[86] 2022-01-14 (PCT/US2022/012443)
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[30] US (17/152,456) 2021-01-19

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[54] **COMPOSITIONS AND METHODS FOR BODY CONTOURING AND SURGICAL PROCEDURES**
[54] **COMPOSITIONS ET PROCEDES POUR PROCEDURES DE REMODELAGE CORPOREL ET PROCEDURES CHIRURGICALES**
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[72] GARRUTO, JOHN A., US
[71] ALASTIN SKINCARE, INC., US
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[54] **AXIAL FLUX MOTOR HAVING A MECHANICALLY INDEPENDENT STATOR**
[54] **MOTEUR A FLUX AXIAL A STATOR MECANIQUEMENT INDEPENDANT**
[72] RUSSALIAN, VIGEL, US
[72] SPEHAR, GEORGE, US
[72] REABURN, STEPHEN M., CA
[71] GATES CORPORATION, US
[85] 2023-07-19
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[54] **DEVICES AND METHODS FOR PEPTIDE SAMPLE PREPARATION**
[54] **DISPOSITIFS ET PROCEDES DE PREPARATION D'ECHANTILLONS DE PEPTIDE**
[72] MILLHAM, MICHELE, US
[72] SCHULTZ, JONATHAN C., US
[72] AD, OMER, US
[72] LV, CAIXIA, US
[71] QUANTUM-SI INCORPORATED, US
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[54] **SYSTEM AND METHOD FOR SOOTHING INFANTS**
[54] **SYSTEME ET PROCEDE POUR APAISER DES NOURRISSONS**
[72] AMANS, MATTHEW, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **CONTAINER CASE**
[54] **BOITIER DE RECIPIENT**
[72] DOHERTY, MARK, US
[72] CONTRERAS, LUIS, US
[72] FRANCO, FABIOLA INIGUEZ, US
[72] BANDLA, SUDHEER, US
[72] LOPEZ-ESCE, AUTUMN, US
[71] NIAGARA BOTTLING, LLC, US
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[54] **GEARED DRIVER MECHANISM FOR A COMPACT ANTENNA PHASE SHIFTER**
[54] **MECANISME D'ENTRAINEMENT A ENGRENAGES POUR DEPHASEUR D'ANTENNE COMPACT**
[72] MESHRAM, NIKHIL, US
[72] BUONDELMONTE, CHARLES, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
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[51] **Int.Cl. C12M 1/00 (2006.01)**
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[54] **PARTICLE SEPARATOR SYSTEM, MATERIALS, AND METHODS OF USE**
[54] **SYSTEME DE SEPARATEUR DE PARTICULES, MATERIAUX ET PROCEDES D'UTILISATION**
[72] BRODIE, SETH, US
[72] FACER, GEOFF, US
[72] JETT, SUSANA, US
[72] TRAVERS, KEVIN, US
[71] LEVITASBIO, INC., US
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[54] **SYSTEME INFORMATIQUE DE VEHICULE AUTONOME AVEC ASSURANCE DE TRAITEMENT**
[72] HYDE, SEAN, US
[72] MOLINARI, JOSE FRANCISCO, US
[72] THOMAS, STEPHEN LUKE, US
[71] UATC, LLC, US
[22] 2021-02-26
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[30] US (63/002,675) 2020-03-31
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[54] **SYSTEME INFORMATIQUE DE VEHICULE AUTONOME AVEC ASSURANCE DE TRAITEMENT**
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[54] **SYSTEME ET PROCEDE POUR REALITE AUGMENTEE ET VIRTUELLE**
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[71] MAGIC LEAP, INC., US
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[54] **NOUVEAUX DERIVES DE CATH2**
[72] HAAGSMAN, HENDRIK PETER, NL
[72] VAN DIJK, ALBERT, NL
[72] VELDHUIZEN, JOHANNES ADRIANUS, NL
[71] UNIVERSITEIT UTRECHT HOLDING B.V., NL
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[54] **MULTI-MODAL FIVE LUMEN GAS CIRCULATION SYSTEM FOR USE IN ENDOSCOPIC SURGICAL PROCEDURES**
[54] **SYSTEME MULTIMODAL DE CIRCULATION DE GAZ A CINQ LUMIERES DESTINE A ETRE UTILISE DANS DES INTERVENTIONS CHIRURGICALES ENDOSCOPIQUES**
[72] SILVER, MIKIYA, US
[72] KANE, MICHAEL J., US
[72] AUGELLI, MICHAEL J., US
[71] CONMED CORPORATION, US
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[54] **CELL-FREE NUCLEIC ACIDS FOR THE ANALYSIS OF THE HUMAN MICROBIOME AND COMPONENTS THEREOF**
[54] **UTILISATION D'ACIDES NUCLEIQUES ACELLULAIRES POUR L'ANALYSE DU MICROBIOME CHEZ L'HOMME ET DE SES COMPOSANTS**
[72] DE VLAMINCK, IWIJN, US
[72] KERTESZ, MICHAEL, US
[72] KHUSH, KIRAN K., US
[72] KOWARSKY, MARK ALEC, AU
[72] MARTIN, LANCE, US
[72] QUAKE, STEPHEN R., US
[72] VALANTINE, HANNAH, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **THIXOTROPIC NON-CEMENTITIOUS THERMAL GROUT AND HDD OR TROUGH PRODUCT LINE METHODS OF APPLICATION**
[54] **COULIS THERMIQUE THIXOTROPE NON A BASE DE CIMENT ET PROCEDES D'APPLICATION EN FDH OU EN LIGNE DE PRODUIT EN DEPRESSION**
[72] HALDERMAN, RONALD G., US
[72] GUERRA, PABLO ESTEBAN, US
[71] QUANTA ASSOCIATES, L.P., US
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[72] NICOLL, SARAH LOUISE, GB
[72] STOREY, JOHN MERVYN DAVID, GB
[71] WISTA LABORATORIES LTD., SG
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[54] **INTENSIFICATION OF BIOCATALYTIC GAS ABSORPTION**
[54] **INTENSIFICATION D'ABSORPTION DE GAZ BIOCATALYTIQUE**
[72] VERMA, MAUSAM, CA
[72] FRADETTE, LOUIS, CA
[72] FRADETTE, SYLVIE, CA
[72] LEFEBVRE, SYLVAIN, CA
[71] SAIPEM S.P.A., IT
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[54] **IN-MOLD ROTATION HELMET**
[54] **CASQUE A ROTATION DANS LE MOULE**
[72] LOWE, MICHAEL W., US
[71] BELL SPORTS, INC., US
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[54] **NANOPORES MSP ET UTILISATIONS DE CEUX-CI**
[72] NIEDERWEIS, MICHAEL, US
[72] PAVLENOK, MIKHAIL, US
[71] THE UAB RESEARCH FOUNDATION, US
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[54] **A SYSTEM FOR REAL TIME DETERMINATION OF PARAMETERS OF AN AIRCRAFT**
[54]
[72] HARTMANN, BILL, AU
[71] RUNWEIGHT PTY LTD, AU
[22] 2017-08-07
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[51] **Int.Cl. C07F 9/24 (2006.01) C07F 9/564 (2006.01)**
[25] EN
[54] **AMPHETAMINE CONTROLLED RELEASE, PRODRUG, AND ABUSE-DETERRENT DOSAGE FORMS**
[54] **LIBERATION CONTROLEE DE L'AMPHETAMINE, PROMEDICAMENT ET FORMES POSOLOGIQUES DISSUASIVES DU MESUSAGE**
[72] POPP, KARL, US
[72] MECKLER, HAROLD, US
[71] CHEMAPOTHECA, LLC, US
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[54] **ARTICLE ABSORBANT AJUSTABLE**
[72] BLASIUS, ALEXANDRA, US
[71] BETTER MADE HEMP, LLC, US
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[54] **ARTICLE ABSORBANT**
[72] BLASIUS, ALEXANDRA, US
[71] BETTER MADE HEMP, LLC, US
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[54] **METHODS FOR NON-INVASIVE PRENATAL PLOIDY CALLING**
[54] **PROCEDES DE CLASSIFICATION DE PLOIDIE PRENATALE NON INVASIVE**
[72] RABINOWITZ, MATTHEW, US
[72] GEMELOS, GEORGE, US
[72] BANJEVIC, MILENA, US
[72] RYAN, ALLISON, US
[72] DEMKO, ZACKARY, US
[72] HILL, MATTHEW, US
[72] ZIMMERMAN, BERNHARD, US
[72] BANER, JOHAN, US
[71] NATERA, INC., US
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[54] **BREATHING ASSISTANCE APPARATUS WITH SERVICEABILITY FEATURES**
[54] **APPAREIL D'AIDE A LA RESPIRATION AVEC FONCTIONS D'ENTRETIEN**
[72] FRAME, SAMUEL ROBERTSON, NZ
[72] CRONE, CHRISTOPHER MALCOLM, NZ
[72] QUILL, CHRISTOPHER SIMON JAMES, NZ
[72] O'DONNELL, KEVIN PETER, NZ
[72] HSU, JACK CHE-WEI, NZ
[72] HAN, JOHN, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[62] 3,125,660
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[51] **Int.Cl. B63B 34/23 (2020.01) B63B 73/40 (2020.01)**
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[54] **SECTIONAL WATERCRAFT**
[54] **EMBARCATION A SECTIONS**
[72] MACKRO, DOUGLAS V., US
[71] PAKAYAK LLC, US
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[54] **COMPOSITE ANTIGENIC SEQUENCES AND VACCINES**
[54] **SEQUENCES ET VACCINS ANTIGENIQUES COMPOSITES**
[72] FISCHER, GERALD W., US
[72] DAUM, LUKE T., US
[71] LONGHORN VACCINES AND DIAGNOSTICS, LLC, US
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[41] 2013-08-01
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[54] **TRANSMITTER AND METHOD FOR GENERATING ADDITIONAL PARITY THEREOF**
[54] **EMETTEUR ET PROCEDE DE GENERATION DE PARITE SUPPLEMENTAIRE DE CELUI-CI**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
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[30] KR (10-2015-0137186) 2015-09-27

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[54] **SLIDE MECHANISM FOR FENESTRATION UNIT AND ASSOCIATED METHODS**
[54] **MECANISME COULISSANT POUR UNE UNITE DE FENESTRAGE ET METHODES CONNEXES**
[72] BERNHAGEN, TODD A., US
[71] PELLA CORPORATION, US
[22] 2021-05-25
[41] 2022-02-25
[62] 3,119,479
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[51] **Int.Cl. H04M 3/42 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENCRYPTING AND RECORDING MEDIA FOR A CONTACT CENTER**
[54] **SYSTEME ET PROCEDE DE CHIFFREMENT ET D'ENREGISTREMENT DE SUPPORT POUR UN CENTRE D'APPELS**
[72] LUM, HENRY R., US
[72] FILONOV, VLADIMIR, US
[72] CULBERT, JEFFREY, US
[72] BLANDER, DANIEL, US
[72] SUBRAMANIAM, SOMASUNDARAM, US
[72] CICCHITTO, ANGELO, US
[72] GVILDYS, PAUL, US
[72] TAMBLYN, ERIC, US
[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
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[51] **Int.Cl. A61M 5/172 (2006.01) A61B 6/03 (2006.01) A61M 5/00 (2006.01) A61M 5/145 (2006.01) A61M 5/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SYRINGE FLUID FILL VERIFICATION AND IMAGE RECOGNITION OF POWER INJECTOR SYSTEM FEATURES**
[54] **SYSTEME ET PROCEDE POUR LA VERIFICATION DU REMPLISSAGE PAR UN FLUIDE D'UNE SERINGUE ET DE RECONNAISSANCE D'IMAGE DE CARACTERISTIQUES D'UN SYSTEME D'INJECTEUR DE PUISSANCE**
[72] COWAN, KEVIN P., US
[72] SPOHN, MICHAEL A., US
[72] MCDERMOTT, MICHAEL, US
[72] GRUBIC, HERBERT M., US
[71] BAYER HEALTHCARE LLC, US
[22] 2016-08-24
[41] 2017-03-09
[62] 2,996,525
[30] US (62/211,462) 2015-08-28
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[54] **TRANSMISSION APPARATUS AND TRANSMISSION METHOD OF RESOURCE ASSIGNMENT INFORMATION**
[54] **APPAREIL DE TRANSMISSION ET PROCEDE DE TRANSMISSION D'INFORMATION D'ATTRIBUTION DE RESSOURCES**
[72] HUANG, LEI, SG
[72] SIM, HONG CHENG MICHAEL, SG
[72] URABE, YOSHIO, JP
[72] YOSHII, ISAMU, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
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[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/145 (2006.01) A61M 5/172 (2006.01) A61M 5/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SYRINGE FLUID FILL VERIFICATION AND IMAGE RECOGNITION OF POWER INJECTOR SYSTEM FEATURES**
[54] **SYSTEME ET PROCEDE POUR LA VERIFICATION DU REMPLISSAGE PAR UN FLUIDE D'UNE SERINGUE ET DE RECONNAISSANCE D'IMAGE DE CARACTERISTIQUES D'UN SYSTEME D'INJECTEUR DE PUISSANCE**
[72] COWAN, KEVIN P., US
[72] SPOHN, MICHAEL A., US
[72] MCDERMOTT, MICHAEL, US
[72] GRUBIC, HERBERT M., US
[71] BAYER HEALTHCARE LLC, US
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[62] 2,996,525
[30] US (62/211,462) 2015-08-28
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[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01) A61M 5/00 (2006.01) A61M 5/145 (2006.01) A61M 5/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SYRINGE FLUID FILL VERIFICATION AND IMAGE RECOGNITION OF POWER INJECTOR SYSTEM FEATURES**
[54] **SYSTEME ET PROCEDE POUR LA VERIFICATION DU REMPLISSAGE PAR UN FLUIDE D'UNE SERINGUE ET DE RECONNAISSANCE D'IMAGE DE CARACTERISTIQUES D'UN SYSTEME D'INJECTEUR DE PUISSANCE**
[72] COWAN, KEVIN P., US
[72] SPOHN, MICHAEL A., US
[72] MCDERMOTT, MICHAEL, US
[72] GRUBIC, HERBERT M., US
[71] BAYER HEALTHCARE LLC, US
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[62] 2,996,525
[30] US (62/211,462) 2015-08-28
[30] US (62/259,824) 2015-11-25

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[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) C12N 1/20 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **NEISSERIA GONORRHOEAE THERAPEUTIC BASED ON CMP-NONULOSONATE SUGAR**
[54] **TRAITEMENT THERAPEUTIQUE DU GONOCOQUE FONDE SUR LES SUCRES DE NONULOSONATE ACTIVES PAR CMP**
[72] SCHOENHOFEN, IAN, CA
[72] WHITFIELD, DENNIS M., CA
[72] RAM, SANJAY, US
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[71] UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, US
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[54] **SYSTEMES D'AMARRAGE DES VEHICULES, SYSTEMES DE TRANSFERT DE LA CHARGE UTILE ET PROCEDES CONNEXES**
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[71] THE BOEING COMPANY, US
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[72] GORDON, JEREMY B., US
[72] FEDORKA, THOMAS, US
[72] DUTREMBLE, THOMAS PAUL, US
[72] MASADA, GWYNN, US
[72] RANGE, BRADFORD, US
[72] MCHUGH, WILLIAM PHILIP, US
[71] BEDFORD SYSTEMS LLC, US
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[54] **SYSTEM AND METHOD FOR ENCRYPTING AND RECORDING MEDIA FOR A CONTACT CENTER**
[54] **SYSTEME ET PROCEDE DE CHIFFREMENT ET D'ENREGISTREMENT DE SUPPORT POUR UN CENTRE D'APPELS**
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[72] FILONOV, VLADIMIR, US
[72] CULBERT, JEFFREY, US
[72] BLANDER, DANIEL, US
[72] SUBRAMANIAM, SOMASUNDARAM, US
[72] CICCHITTO, ANGELO, US
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[72] TAMBLYN, ERIC, US
[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
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[54] **PRODRUGS OF GAMMA-HYDROXYBUTYRIC ACID, COMPOSITIONS AND USES THEREOF**
[54] **PROMEDICAMENTS DE L'ACIDE GAMMA-HYDROXYBUTYRIQUE, COMPOSITIONS ET UTILISATIONS DE CEUX-CI**
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[72] XU, XUESONG, CN
[72] ZHANG, XUAN, CN
[71] XWPHARMA LTD., KY
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[72] FILONOV, VLADIMIR, US
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[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
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[54] **SYSTEM AND METHOD FOR ENCRYPTING AND RECORDING MEDIA FOR A CONTACT CENTER**
[54] **SYSTEME ET PROCEDE DE CHIFFREMENT ET D'ENREGISTREMENT DE SUPPORT POUR UN CENTRE D'APPELS**
[72] LUM, HENRY R., US
[72] FILONOV, VLADIMIR, US
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[54] **OPIOIDE DESTINE A ETRE UTILISE POUR REDUIRE ET/OU TRAITER LA PHARMACODEPENDANCE**
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[71] DMK PHARMACEUTICALS CORPORATION, US
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[54] **COMPOSES CONTENANT LE GROUPE OXAZOLO-PYRIDINIUM**
[72] BARTBERGER, MICHAEL DAVID, US
[72] GONZALEZ BUENROSTRO, ANA, US
[72] BECK, HILARY PLAKE, US
[72] CHEN, XIAOQI, US
[72] CONNORS, RICHARD VICTOR, US
[72] DEIGNAN, JEFFREY, US
[72] DUQUETTE, JASON, US
[72] EKSTEROWICZ, JOHN, US
[72] FISHER, BENJAMIN, US
[72] FOX, BRIAN MATTHEW, US
[72] FU, JIASHENG, US
[72] FU, ZICE, US
[72] GONZALEZ LOPEZ DE TURISO, FELIX, US
[72] GRIBBLE, JR., MICHAEL WILLIAM, US
[72] GUSTIN, DARIN JAMES, US
[72] HEATH, JULIE ANNE, US
[72] HUANG, XIN, US
[72] JIAO, XIANYUN, US
[72] JOHNSON, MICHAEL, US
[72] KAYSER, FRANK, US
[72] KOPECKY, DAVID JOHN, US
[72] LAI, SUJEN, US
[72] LI, YIHONG, US
[72] LI, ZHIHONG, US
[72] LIU, JIWEN, US
[72] LOW, JONATHAN DANTE, US
[72] LUCAS, BRIAN STUART, US
[72] MA, ZHIHUA, US
[72] MCGEE, LAWRENCE, US
[72] MCINTOSH, JOEL, US
[72] MCMINN, DUSTIN, US
[72] MEDINA, JULIO CESAR, US
[72] MIHALIC, JEFFREY THOMAS, US
[72] OLSON, STEVEN HOWARD, US
[72] REW, YOSUP, US
[72] ROVETO, PHILIP MARLEY, US
[72] SUN, DAQING, US
[72] WANG, XIAODONG, US
[72] WANG, YINGCAI, US
[72] YAN, XUELEI, US
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[72] DEMERS, MICHAEL S., US
[72] EVANS, SIMON, US
[71] SPY HIGH LLC, US
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[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE**
[72] KIM, KI BAEK, KR
[71] B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., KR
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[54] **DISPOSITIF DE PRESSION EXPIRATOIRE POSITIVE OSCILLANTE**
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[54] **CLASSIFICATEUR REPOSANT SUR UN FLUX IP MULTI-PHASE A RECONNAISSANCE DE NOM DE DOMAINE ET D'EN-TETE HTTP**
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[71] HUGHES NETWORK SYSTEMS, LLC, US
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[54] **TRANSMISSION D'UNE REQUETE DE PLANIFICATION POUR UNE TRANSMISSION DE DISPOSITIF A DISPOSITIF**
[72] VUTUKURI, ESWAR, GB
[72] FAURIE, RENE, FR
[72] SUZUKI, TAKASHI, JP
[71] BLACKBERRY LIMITED, CA
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[54] **DISTRIBUTEUR DE PRODUITS SOUS FORME DE FEUILLE**
[72] BORKE, BRIAN SCOTT, US
[72] CASPER, TED ALLEN, US
[72] DAHL, JACOB CHARLES, US
[72] EDWARDS, R. MITCHEL, US
[72] GROSZ, JOHN WILLIAM, US
[72] JOHNSON, ALAN JOSEPH, US
[72] LAITALA, JOHN PATRICK, US
[72] MADSEN, NICKOLAS EVERETT, US
[72] MILLER, TAMMY LYNN, US
[72] MURPHY, DAVID WARREN, US
[72] PETERS, MARK EDWIN, US
[72] PFEIFER, KYLE ANDREW, US
[72] SCHUH, RYAN JOSEPH, US
[72] SINCLAIR, AARON LEE, US
[72] STUEDEMANN, ROBERT PAUL, US
[72] SWANSON, KEVIN MICHAEL, US
[71] GPCP IP HOLDINGS LLC, US
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[54] **SYSTEME DE PREPARATION ET D'INJECTION SECURISEES DE RADIO-ISOTOPE**
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[72] STENFELDT, MARTIN, DK
[72] KRISTENSEN, RUNE WIIK, DK
[71] MEDTRACE A/S, DK
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[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **METHODES POUR PREDIRE LE RISQUE DE PNEUMONIE INTERSTITIELLE**
[72] SCHWARTZ, DAVID A., US
[72] FINGERLIN, TASHA E., US
[72] ZHANG, WEIMING, US
[71] REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
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[54] **NOVEL SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS D-AMINO ACID OXIDASE (DAAO) INHIBITORS**
[54] **NOUVEAUX DERIVES DE BENZIMIDAZOLE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE LA D-AMINO-ACIDE OXYDASE (DAAO)**
[72] TSENG, YUFENG JANE, US
[72] LIU, YU-LI, TW
[72] SUN, CHUNG-MING, TW
[72] LAI, WEN-SUNG, TW
[72] LIU, CHIH-MIN, TW
[72] HWU, HAI-GWO, TW
[71] TSENG, YUFENG JANE, US
[71] NATIONAL TAIWAN UNIVERSITY, CN
[71] NATIONAL YANG MING CHIAO TUNG UNIVERSITY, TW
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
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[54] **BIOMARQUEURS ET PROCEDES D'EVALUATION DE L'ACTIVITE DE LA MALADIE ARTHRITE PSORIASIQUE**
[72] SASSO, ERIC, US
[72] EASTMAN, PAUL SCOTT, US
[72] BOLCE, REBECCA, US
[72] KAVANAUGH, ARTHUR, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[72] COZENS, CHRISTOPHER, GB
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[54] **DISPOSITIFS DE VENTILATION ET PIECES ET PROCEDES ASSOCIES**
[72] BIRCH, STEPHEN J., US
[72] DILLINGHAM, THOMAS, US
[72] DUGAN, GREG J., US
[72] MANSOUR, KHALID SAID, US
[72] PIERRO, BRIAN W., US
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[72] VARGA, CHRISTOPHER M., US
[71] SUNMED GROUP HOLDINGS, LLC, US
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[30] US (13/105,821) 2011-05-11
[30] US (13/105,807) 2011-05-11
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[54] **ANTI-CEACAM5 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CEACAM5 ET LEURS UTILISATIONS**
[72] BERNE, PIERRE-FRANCOIS, FR
[72] BLANCHE, FRANCIS, FR
[72] BOUCHARD, HERVE, FR
[72] CAMERON, BEATRICE, FR
[72] DABDOUBI, TARIK, FR
[72] DECARY, STEPHANIE, FR
[72] FERRARI, PAUL, FR
[72] RAK, ALEXEY, FR
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[72] WITHERBEE, MARTIN LEE, US
[72] KHAIRNAR, LALIT SUBHASH, IN
[72] PATIL, SAGAR ASHOK, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
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[54] **ARTICLE A FUMER**
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[72] KALJURA, KARL, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
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[54] **PANNEAU EMBOITABLE AVEC DES PANNEAUX SIMILAIRES POUR FORMER UN REVETEMENT DE SOL**
[72] BOUCKE, EDDY ALBERIC, BE
[72] RIETVELDT, JOHAN CHRISTIAAN, NL
[71] I4F LICENSING NV, BE
[22] 2015-02-26
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[54] **OILY SUSPENSIONS OF MICROPARTICULATE ISOTRETINOIN WITH IMPROVED ORAL BIOAVAILABILITY**
[54] **SUSPENSION HUILEUSE D'UNE ISOTRETINOINE MICROPARTICULAIRE AYANT UNE BIODISPONIBILITE AMELIOREE**
[72] MADAN, HARISH KUMAR, IN
[72] VENKATESHWARAN, RATHINASABAPATHY, IN
[72] MADAN, SUMIT, IN
[72] KOCHHAR, RAVI, IN
[71] SUN PHARMACEUTICAL INDUSTRIES LIMITED, IN
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[54] **SYSTEMES ET METHODES DE DETECTION WI-FI AU MOYEN D'UN ACCES MULTIPLE PAR REPARTITION EN FREQUENCE ORTHOGONALE EN LIAISON MONTANTE (UL-OFDMA)**
[72] BEG, CHRIS, CA
[72] OMER, MOHAMMAD, CA
[71] COGNITIVE SYSTEMS CORP., CA
[22] 2022-05-13
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[54] **A FABRIC CARE OR HOME CARE PRODUCT COMPRISING POLYSACCHARIDE DERIVATIVES**
[54] **PRODUIT D'ENTRETIEN DE TISSU OU D'ENTRETIEN MENAGER COMPRENANT DES DERIVES DE POLYSACCHARIDE**
[72] SIVIK, MARK ROBERT, US
[72] HUANG, ZHENGZHENG, US
[72] LU, HELEN S. M., US
[72] NAMBIAR, RAKESH, US
[72] PAULLIN, JAYME L., US
[71] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **SHEET PRODUCT DISPENSER**
[54] **DISTRIBUTEUR DE PRODUITS SOUS FORME DE FEUILLE**
[72] BORKE, BRIAN SCOTT, US
[72] CASPER, TED ALLEN, US
[72] DAHL, JACOB CHARLES, US
[72] EDWARDS, R. MITCHEL, US
[72] GROSZ, JOHN WILLIAM, US
[72] JOHNSON, ALAN JOSEPH, US
[72] LAITALA, JOHN PATRICK, US
[72] MADSEN, NICKOLAS EVERETT, US
[72] MILLER, TAMMY LYNN, US
[72] MURPHY, DAVID WARREN, US
[72] PETERS, MARK EDWIN, US
[72] PFEIFER, KYLE ANDREW, US
[72] SCHUH, RYAN JOSEPH, US
[72] SINCLAIR, AARON LEE, US
[72] STUEDEMANN, ROBERT PAUL, US
[72] SWANSON, KEVIN MICHAEL, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2017-04-07
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[62] 3,018,401
[30] US (62/320,829) 2016-04-11
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[54] **OCULAR IMPLANT AND DELIVERY SYSTEM**
[54] **IMPLANT OCULAIRE ET SYSTEME DE POSE**
[72] BLANDA, WENDY, US
[72] SCHIFFMAN, RHETT, US
[71] ALCON INC., CH
[22] 2019-02-19
[41] 2019-08-29
[62] 3,091,154
[30] US (62/633,823) 2018-02-22

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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01) A01K 67/027 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01) C12N 15/12 (2006.01) C12N 15/24 (2006.01) C12N 15/85 (2006.01)**
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[54] **HUMANIZED IL-4 AND IL-4R .ALPHA. ANIMALS**
[54] **ANIMAUX COMPRENANT IL-4 ET IL-4R ALPHA HUMANISES**
[72] WANG, LI-HSIEN, US
[72] XUE, YINGZI, US
[72] MURPHY, ANDREW J., US
[72] STEVENS, SEAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[51] **Int.Cl. G03G 15/06 (2006.01)**
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[54] **CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**
[72] UNEME, TETSUSHI, JP
[72] SATO, MASAAKI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-06-03
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[62] 2,987,891
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[54] **UWB MICROWAVE IMAGING SYSTEM WITH A NOVEL CALIBRATION APPROACH FOR BREAST CANCER DETECTION**
[54] **SYSTEME D'IMAGERIE HYPERFREQUENCE A BANDE ULTRA LARGE PRESENTANT UNE NOUVELLE APPROCHE D'ETALONNAGE POUR DETECTION D'UN CANCER DU SEIN**
[72] MAHFOUZ, MOHAMED R., US
[72] FATHY, ALY E., US
[71] JOINTVUE, LLC, US
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[54] **METHODS AND PROCESSES FOR ASSESSMENT OF GENETIC VARIATIONS**
[54] **METHODES ET PROCEDES D'EVALUATION DE VARIATIONS GENETIQUES**
[72] TYNAN, JOHN A., US
[72] MAZLOOM, AMIN, US
[72] WU, YIJIN, US
[72] WHIDDEN, MARK, US
[72] EHRICH, MATHIAS, US
[71] SEQUENOM, INC., US
[22] 2018-01-24
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[62] 3,050,055
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[54] **HERMETICALLY SEALED HYDROPHONES WITH VERY LOW ACCELERATION SENSITIVITY**
[54] **HYDROPHONES SCELLES HERMETIQUEMENT A TRES FAIBLE SENSIBILITE A L'ACCELERATION**
[72] GOENNER, MATTHEW, US
[72] MARIN, MIHAELA, US
[71] AMPHENOL (MARYLAND), INC., US
[22] 2016-11-08
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[25] EN
[54] **PLANT GROWTH-PROMOTING BACTERIA AND METHODS OF USE**
[54] **BACTERIES FAVORISANT LA CROISSANCE VEGETALE ET PROCEDES D'UTILISATION ASSOCIES**
[72] THOMPSON, BRIAN, US
[72] THOMPSON, KATIE, US
[72] ANGLE, BRITTANY, US
[71] SPOGEN BIOTECH INC., US
[22] 2014-03-17
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[54] **POROUS SHAPED METAL-CARBON PRODUCTS**
[54] **PRODUITS FACONNES POREUX A BASE DE CARBONE ET DE METAL**
[72] SOKOLOVSKII, VALERY, US
[72] HAGEMEYER, ALFRED, US
[72] SHOEMAKER, JAMES A.W., US
[72] GURBUZ, ELIF ISPIR, US
[72] ZHU, GUANG, US
[72] DIAS, ERIC L., US
[71] ARCHER-DANIELS-MIDLAND COMPANY, US
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[54] **ACCESS STRUCTURE INTEGRATION ASSEMBLY AND INTEGRATED ACCESS SYSTEMS AND METHODS OF USING THE SAME**
[54] **ENSEMBLE D'INTEGRATION DE STRUCTURE D'ACCES, ET SYSTEMES ET PROCEDES D'ACCES INTEGRES L'UTILISANT**
[72] GRUMBERG, MATHIEU, US
[72] SCRAFFORD, ROY, US
[72] MEADE, FREDERICK, US
[71] SAFWAY SERVICES, LLC, US
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[62] 2,920,599

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[54] **GEOMETRIC PARTITIONING MODE IN VIDEO CODING**
[54] **MODE DE PARTITION GEOMETRIQUE DANS UN CODAGE VIDEO**
[72] CHEN, LIEN-FEI, US
[72] LI, XIANG, US
[72] LI, GUICHUN, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[22] 2020-11-12
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[21] **3,207,976**
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[54] **DEAD BLOW SLIDE HAMMER**
[54] **MARTEAU A INERTIE A AMORTISSEUR**
[72] HUTCHISON, ALLEN M., US
[72] SCHULZ, BENJAMIN T., US
[72] ANDERSEN, JONATHAN I., US
[72] DEVECCHIS, MARCO E., US
[71] SNAP-ON INCORPORATED, US
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[54] **AUDIO-BASED ACCESS CONTROL**
[54] **CONTROLE D'ACCES BASE SUR L'AUDIO**
[72] LANGENBERG, DANIEL, US
[72] BAUMGARTE, JOSEPH W., US
[72] LONG, JOSHUA, US
[72] PLUMMER, BRADY, US
[72] GOODWIN, JOHN D., US
[72] JOHNSON, DAKOTA, US
[72] HOPKINS, BENJAMIN J., US
[72] PROSTKO, ROBERT, US
[72] MARTENS, ROBERT, US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2019-12-20
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[54] **ARTIFICIALLY INTELLIGENT COMPUTING ENGINE FOR TRAVEL ITINERARY RESOLUTIONS**
[54] **MOTEUR INFORMATIQUE D`INTELLIGENCE ARTIFICIELLE POUR SOLUTIONS D`ITINERAIRE DE VOYAGE**
[72] MILLER, HAROLD ROY, US
[72] MILLER, JONATHAN DAVID, US
[71] AMGINE TECHNOLOGIES (US), INC., US
[22] 2019-10-17
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[62] 3,059,005
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[54] **SECURE STORAGE OF DATA AND HASHES VIA A DISTRIBUTED LEDGER SYSTEM**
[54] **STOCKAGE SECURISE DE DONNEES ET DE HACHAGES PAR L'INTERMEDIAIRE D'UN SYSTEME DE REGISTRE DISTRIBUE**
[72] NENOV, DEJAN, US
[72] KASSABOV, ROUMEN, US
[71] FORTRESS CYBER SECURITY, LLC, US
[22] 2019-01-25
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[62] 3,089,745
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[54] **METHOD FOR ENCODING/DECODING IMAGE SIGNAL, AND APPARATUS THEREFOR**
[54] **PROCEDE DE CODAGE/DECODAGE D'UN SIGNAL D'IMAGE ET APPAREIL ASSOCIE**
[72] LEE, BAE KEUN, KR
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[22] 2019-11-07
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[54] **AQUEOUS STREAM CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DE FLUX AQUEUX**
[72] SCHLEIFFARTH, JAMES W., US
[71] SCHLEIFFARTH, JAMES W., US
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[54] **TRANSGENIC PLANTS HAVING INCREASED BIOMASS**
[54] **PLANTES TRANSGENIQUES A BIOMASSE ACCRUE**
[72] WU, CHUAN-YIN, US
[72] KIM, HAN-SUK, US
[72] MAGPANTAY, GERARD, US
[72] ZHOU, FASONG, US
[72] SOSA, JULISSA, US
[72] NADZAN, GREG, US
[72] PENNELL, ROGER I., US
[72] ACHIRILOAIE, MIRCEA, US
[72] WANG, WUYI, US
[71] CERES, INC., US
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[54] **SPACE-SAVING BICYCLE PARKING STRUCTURE**
[54] **STRUCTURE DE STATIONNEMENT DE VELOS PERMETTANT DE SAUVER DE L'ESPACE**
[72] GREENBLATT, JOEL, US
[72] LAGESON, ANDREW KENNEDY, US
[71] EVERLAST CLIMBING INDUSTRIES, INC., US
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[54] **PACKAGING MACHINE INFEED, SEPARATION, AND CREASING MECHANISMS**
[54] **MECANISMES D'ALIMENTATION, DE SEPARATION ET DE RAINAGE DE MACHINE A EMBALLER**
[72] PROVOOST, DAVID MICHEL, BE
[72] DE DYCKER, HERMAN GERMAIN, BE
[72] VAN STEENKISTE, DIMITRI DANIEL RAPHAEL, BE
[72] HAMERLINCK, STEFAAN ALBERT MARIE-LOUISE, BE
[71] AVERCON BVBA, BE
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[54] **TRACTION STUD FOR ENDLESS TRACKS**
[54] **GOUJON DE TRACTION POUR CHENILLES**
[72] MUSSELMAN, ROBERT, US
[72] MUSSELMAN, MARK, US
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[62] 3,019,155
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[54] **SUPPLEMENTAL TECHNIQUES FOR CHARACTERIZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM**
[54] **AUTRES METHODES DE CARACTERISATION D`EVENEMENTS DE QUALITE ENERGETIQUE DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] WALL, THERESA K., US
[71] SCHNEIDER ELECTRIC USA, INC., US
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[54] **AMUSEMENT DEVICES AND GAMES INVOLVING PROGRESSIVE JACKPOTS**
[54] **DISPOSITIFS DE DIVERTISSEMENT ET JEUX IMPLIQUANT DES GROS LOTS PROGRESSIFS**
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[71] CFPH, LLC, US
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[54] **NICOTINE SALT FORMULATIONS FOR AEROSOL DEVICES AND METHODS THEREOF**
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[72] XING, CHENYUE, US
[71] JUUL LABS, INC., US
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[25] EN
[54] **METHOD OF MAKING AN ABSORBENT COMPOSITE AND ABSORBENT ARTICLES EMPLOYING THE SAME**
[54] **PROCEDE DE REALISATION D'UN COMPOSITE ABSORBANT ET ARTICLES ABSORBANTS L'EMPLOYANT**
[72] WRIGHT, ANDREW, GB
[72] VARONA, EUGENIO, US
[72] SMID, ANNE, NL
[72] SMID, DENNIS, NL
[71] DSG TECHNOLOGY HOLDINGS LTD, VG
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[62] 2,910,598
[30] US (61/801,620) 2013-03-15

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[13] A1
[25] EN
[54] **LASER WELDING HEAD WITH DUAL MOVABLE MIRRORS PROVIDING BEAM MOVEMENT AND LASER WELDING SYSTEMS AND METHODS USING SAME**
[54] **TETE DE SOUDAGE AU LASER DOTEE DE DOUBLES MIROIRS MOBILES PRODUISANT UN MOUVEMENT DE FAISCEAU**
[72] GRAPOV, YURI, US
[72] PRUYN, KRIS, US
[72] STUKALIN, FELIX, US
[72] HINRICHSEN, ERIK, US
[71] IPG PHOTONICS CORPORATION, US
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[41] 2016-12-22
[62] 2,989,860
[30] US (62/182,211) 2015-06-19
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[21] **3,208,225**
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[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/747 (2015.01) A61K 9/20 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF HEPATITIC DISEASES AND DISORDERS**
[54] **COMPOSITIONS ET METHODES UTILISEES POUR TRAITER DES MALADIES ET DES TROUBLES HEPATIQUES**
[72] MCKENNA, ELIZABETH, US
[71] MCKENNA, ELIZABETH, US
[22] 2013-01-16
[41] 2013-07-25
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[30] US (61/586,975) 2012-01-16

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[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/7076 (2006.01) A61K 36/575 (2006.01) A61K 36/756 (2006.01) A61P 25/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING MAGNOLIA, PHELLODENDRON, THEANINE AND/OR WHEY PROTEIN**
[54] **COMPOSITIONS COMPRENANT DU MAGNOLIA, DU PHELLODENDRON, DE LA THEANINE ET/OU UNE PROTEINE DU PETIT-LAIT**
[72] HENDERSON, TODD, US
[72] GRIFFIN, DAVID, US
[72] BLEDSOE, DAVID, US
[71] NUTRAMAX LABORATORIES, INC., US
[22] 2016-08-31
[41] 2017-03-09
[62] 2,995,395
[30] US (62/212,080) 2015-08-31

[21] **3,208,241**
[13] A1
[25] EN
[54] **COMPOSITIONS COMPRISING MAGNOLIA, PHELLODENDRON, THEANINE AND/OR WHEY PROTEIN**
[54] **COMPOSITIONS COMPRENANT DU MAGNOLIA, DU PHELLODENDRON, DE LA THEANINE ET/OU UNE PROTEINE DU PETIT-LAIT**
[72] HENDERSON, TODD, US
[72] GRIFFIN, DAVID, US
[72] BLEDSOE, DAVID, US
[71] NUTRAMAX LABORATORIES, INC., US
[22] 2016-08-31
[41] 2017-03-09
[62] 2,995,395
[30] US (62/212,080) 2015-08-31

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[13] A1
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[54] **PROCESS FOR THE PREPARATION OF OPIOID COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES OPIOIDES**
[72] CONZA, MATTEO, CH
[72] LELLEK, VIT, CH
[72] ZINSER, HARTMUT, CH
[71] NORAMCO, LLC, US
[22] 2015-04-28
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[62] 2,947,012
[30] US (61/988,523) 2014-05-05
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