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Canada

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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$295**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**295 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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7. 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.

Copyright

Droits d'auteur

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of November 22, 2022 contains applications open to public inspection from November 6, 2022 to November 12, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 22 novembre 2022 contient les demandes disponibles au public pour consultation pour la période du 6 novembre 2022 au 12 novembre 2022.

16. Erratum

All information respecting patent application number 3,156,720 referred to under the section *Canadian Applications Open to Public Inspection* contained in the Vol. 150, No. 45, November 8, 2022 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 156, 720 sous la rubrique *Demandes canadiennes mises a la disponibilité* du publique dans le vol. 150, n° 45, numéro du 8 novembre 2022 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

17. Erratum

All information respecting patent application number 3,156,725 referred to under the section *Canadian Applications Open to Public Inspection* contained in the Vol. 150, No. 45, November 8, 2022 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

17. Erratum

Toutes les informations relatives à la demande de brevet 3, 156, 725 sous la rubrique *Demandes canadiennes mises a la disponibilité* du publique dans le vol. 150, n° 45, numéro du 8 novembre 2022 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

18. Erratum

All information respecting patent application number 3,157,426 referred to under the section *Canadian Applications Open to Public Inspection* contained in the Vol. 150, No. 45, November 8, 2022 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

18. Erratum

Toutes les informations relatives à la demande de brevet 3, 157, 426 sous la rubrique *Demandes canadiennes mises a la disponibilité* du publique dans le vol. 150, n° 45, numéro du 8 novembre 2022 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

November 22, 2022

Brevets canadiens délivrés

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[54] **SYSTEMME ET PROCEDE D'ACHEMINEMENT DU CONTENU D'UN CANAL SPECIALISE DE VENTE AU DETAIL A UN DISPOSITIF MULTIMEDIA**
[72] WONG, ALEXANDER, CA
[72] TENG, DANIEL, CA
[72] MASTROIANNI, FIORENZO, CA
[72] BAZERGHI, ADEL, CA
[73] BCE INC., CA
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[72] CLARK, THEODORE G., US
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[72] COLUSSI, PAUL, US
[73] TETRAGENETICS, INC., US
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[25] EN
[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USING SAME FOR INCREASING PLANT YIELD, BIOMASS, GROWTH RATE, VIGOR, OIL CONTENT, ABIOTIC STRESS TOLERANCE OF PLANTS AND NITROGEN USE EFFICIENCY**
[54] **POLYNUCLEOTIDES ISOLES ET POLYPEPTIDES ET PROCEDES POUR LES UTILISER AFIN D'AUGMENTER LE RENDEMENT DES CULTURES, LA BIOMASSE, LA VITESSE DE CROISSANCE, LA VIGUEUR, LA TENEUR EN HU ILE, LA TOLERANCE AU STRESS ABIOTIQUE DES PLANTES ET L'EFFICACITE D'UTILISATION DE L'AZOTE**
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[73] EVOGENE LTD., IL
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[54] **METHODS AND COMPOSITIONS FOR CNS DELIVERY OF ARYLSULFATASE A**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION AU SNC D'ARYLSULFATASE A**
[72] SALAMAT-MILLER, NAZILA, US
[72] TAYLOR, KATHERINE, US
[72] CAMPOLIETO, PAUL, US
[72] SHAHROKH, ZAHRA, US
[72] PAN, JING, US
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[54] **PLANTS AND SEEDS OF CANOLA VARIETY SCV822805**
[54] **PLANTS ET SEMENCES DE LA VARIETE DE CANOLA SCV822805**
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[73] MONSANTO TECHNOLOGY LLC, US
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[25] EN
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[54] **FORMULATIONS GASTRIQUES ET COLIQUES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] BORODY, THOMAS JULIUS, AU
[72] RAMRAKHA, SANJAY, AU
[72] SAXON, JOHN, AU
[72] WETTSTEIN, ANTONY, AU
[73] SALIX PHARMACEUTICALS, INC., US
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[72] BAUMGARTEN, WILLIAM J., US
[72] HAUKOM, MICHAEL J., US
[72] HORSAGER, THOMAS J., US
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[54] **REVETEMENT DE SURFACE ANTI-ADHERENT ET ANTIDERAPANT PERFORE**
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[73] KITTRICH CORPORATION, US
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[72] THERIOT, MARK, US
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[72] BROZOVICH, STEVE, US
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[54] **MULTI-BIOMETRIC ENROLLMENT KIOSK INCLUDING BIOMETRIC ENROLLMENT AND VERIFICATION, FACE RECOGNITION AND FINGERPRINT MATCHING SYSTEMS**
[54] **BORNE D'INSCRIPTION DOTEE DE PLUSIEURS APPAREILS BIOMETRIQUES ET COMPORTANT DES SYSTEMES D'INSCRIPTION ET DE VERIFICATION BIOMETRIQUES, DE RECONNAISSANCE FACIALE ET DE COMPARAISON D'EMPREINTES DIGITALES**
[72] BERINI, DARIO JOHN, US
[72] SHIMEK, BRIAN J., US
[72] ARNON, ILAN, CA
[72] BELL, ROBERT LLOYD, CA
[72] FEVENS, ROBERT BRYON, CA
[72] VAN BEEK, GARY A., CA
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[72] FLEMING, JAMES A., US
[73] CARDINAL HEALTH 529, LLC, US
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[72] WELTER, JOHN JOSEPH, US
[73] SENSORMATIC ELECTRONICS LLC, US
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[54] **MISE EN PARALLELE DE FILTRES ACTIFS AVEC COMMANDES INDEPENDANTES**
[72] WALLACE, IAN, US
[72] BENDRE, ASHISH, US
[72] KRANZ, WILLIAM, US
[72] SEIBOLD, JEFF, US
[73] TCI, LLC, US
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[54] **AERODYNAMICALLY ACTIVE STIFFENING FEATURE FOR GAS TURBINE RECUPERATOR**
[54] **ELEMENT DE RAIDISSEMENT ACTIF DE FACON AERODYNAMIQUE POUR RECUPERATEUR DE TURBINE A GAZ**
[72] ELEFTHERIOU, ANDREAS, CA
[72] ALECU, DANIEL, CA
[72] MENHEERE, DAVID HAROLD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2846520)
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[54] **TUYAUX MEDICAUX ET PROCEDES DE FABRICATION**
[72] GRAHAM, PETER KENNETH, NZ
[72] GARCIA, ENRICO ALVAREZ, NZ
[72] SIMS, DAVID JOHN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **MATERIALS AND METHOD FOR IMMOBILIZING, ISOLATING, AND CONCENTRATING CELLS USING CARBOXYLATED SURFACES**
[54] **SUBSTANCES ET PROCEDE POUR IMMOBILISER, ISOLER ET CONCENTRER DES CELLULES EN UTILISANT DES SURFACES CARBOXYLEES**
[72] LOWE, BRIAN, US
[72] NAZARENKO, IRINA, US
[72] RUS, SZYMON, US
[73] QIAGEN GAITHERSBURG, LLC, US
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[54] **INHIBITEURS DE JAK ANTIVIRAUX UTILES DANS LE TRAITEMENT OU LA PREVENTION D'INFECTIONS RETROVIRALES ET AUTRES INFECTIONS VIRALES**
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[72] SCHINAZI, RAYMOND F., US
[73] EMORY UNIVERSITY, US
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[54] **SYSTEM AND METHOD FOR TREATMENT OF SPENT CAUSTIC WASTEWATER**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'EAUX USEES CAUSTIQUES**
[72] MILOSEVIC, VESELIN, CA
[72] NARANJO, FERNANDO, CA
[72] KOSANIC, DRAGO, CA
[72] ZARCZYNZKI, JACK, CA
[72] STEWART, CLINT, CA
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[54] **METHOD AND APPARATUS TO CORRECT INDOOR POSITIONING BY UTILIZING WI-FI HANDOVERS**
[54] **METHODE ET APPAREIL DE CORRECTION DU POSITIONNEMENT INTERIEUR AU MOYEN DE TRANSFERTS SANS FIL**
[72] SHATSKY, ALEXANDER, CA
[72] KOUZNETSOV, ALEXANDRE, CA
[73] BLACKBERRY LIMITED, CA
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[54] **PREDICTION OF RESPONSIVENESS TO TREATMENT WITH IMMUNOMODULATORY THERAPEUTICS AND METHOD OF MONITORING ABSCOPAL EFFECTS DURING SUCH TREATMENT**
[54] **PREDICTION DE LA SENSIBILITE A UN TRAITEMENT PAR DES PRODUITS THERAPEUTIQUES D'IMMUNOMODULATION ET PROCEDE DE SURVEILLANCE DES EFFETS ASCOPAUX AU COURS D'UN TEL TRAITEMENT**
[72] LESOKHIN, ALEXANDER M., US
[72] WOLCHOK, JEDD D., US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
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[54] **METHODS AND SYSTEMS FOR DETECTION OF MICROORGANISMS**
[54] **PROCEDES ET SYSTEMES POUR LA DETECTION DE MICRO-ORGANISMES**
[72] ANDERSON, DWIGHT LYMAN, US
[72] CONRAD, ANDREW J., US
[72] ERICKSON, STEPHEN ERIC, US
[72] GIL, JOSE S., US
[72] HOPKINS, BEN BARRETT, US
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[54] **PLANTS AND SEEDS OF CANOLA VARIETY SCV630541**
[54] **PLANTES ET GRAINES DE VARIETE DE COLZA SCV630541**
[72] HUSKOWSKA, TERESA, US
[72] MANN, HARPARTAP, US
[73] MONSANTO TECHNOLOGY LLC, US
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[54] **CELL CULTURING DEVICE**
[54] **DISPOSITIF DE CULTURES CELLULAIRES**
[72] BROWNE, DOUGLAS J., US
[72] KARAKOZIAN, SARKIS, US
[72] CHEN, XIAOWEI, US
[73] RAPID MICRO BIOSYSTEMS, INC., US
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[54] **INGENIERIE GENOMIQUE CIBLEE DANS DES PLANTES**
[72] D'HALLUIN, KATELIJN, BE
[73] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
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[54] **ENHANCED AFFINITY T CELL RECEPTORS AND METHODS FOR MAKING THE SAME**
[54] **RECEPTEURS DE LYMPHOCYTE T A AFFINITE AUGMENTEE ET PROCEDES POUR FABRIQUER CEUX-CI**
[72] SCHMITT, THOMAS M., US
[72] GREENBERG, PHILIP D., US
[73] FRED HUTCHINSON CANCER CENTER, US
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[54] **ANTI-CERAMIDE ANTIBODY AND GRAM-NEGATIVE BACTERIA ANTIBIOTIC FOR TREATING RADIATION DISEASE, RADIATION GI SYNDROME, GVHD, AND OTHER CERAMIDE-RICH PLATFORM PATHOLOGIES**
[54] **ANTICORPS CONTRE LE CERAMIDE ET ANTIBIOTIQUE CONTRE LA BACTERIE GRAM NEGATIF POUR LE TRAITEMENT DE LA MALADIE DES RAYONS, DU SYNDROME D'IRRADIATION AIGUE, DE LA MALADIE DU GREFFON CONTRE L'HOTE ET D'AUTRES PATHOLOGIES A PLATEFORMES RICHES EN CERAMIDE**
[72] KOLESNICK, RICHARD, US
[72] ROTOLO, JIMMY, US
[73] SLOAN KETTERING INSTITUTE FOR CANCER RESEARCH, US
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[54] **DISPOSITIF ET PROCEDE DE CODAGE**
[72] LU, SHUO, JP
[72] SATO, KAZUSHI, JP
[73] SONY GROUP CORPORATION, JP
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[54] **SOUCHE DEFICIENTE EN AGSE**
[72] VAN PEIJ, NOEL NICOLAAS MARIA ELISABETH, NL
[72] BEISHUIZEN, MARTINA, NL
[72] VAN DE VONDERVOORT, PETER JOZEF IDA, NL
[73] DSM IP ASSETS B.V., NL
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[54] **MICRONIZED SULPHUR POWDER AND METHOD OF PRODUCTION OF SAME**
[54] **POUDRE DE SOUFRE MICRONISE ET SA METHODE DE PRODUCTION**
[72] IYER, SATISH, CA
[73] SULVARIS INC., CA
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[54] **DISPOSITIF MEDICAL DE STIMULATION CARDIAQUE**
[72] LESKOSEK, JAMES ANDREW, CA
[72] KORDOLIA, TED SIMONIAN, CA
[73] LESKOSEK, JAMES ANDREW, CA
[73] KORDOLIA, TED SIMONIAN, CA
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[54] **COMPOSITIONS AND METHODS COMPRISING MALE FERTILITY SEQUENCES**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES SEQUENCES DE FERTILITE MALE**
[72] ALBERTSEN, MARC, US
[72] CIGAN, ANDREW MARK, US
[72] HERSHEY, HOWARD, US
[72] LASSNER, MIKE, US
[72] WU, YONGZHONG, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
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[25] EN
[54] **AGENT FOR ENHANCING IMMUNITY CONTAINING GLUTATHIONE**
[54] **AGENT D'AMELIORATION DE L'IMMUNITE CONTENANT DU GLUTATHION**
[72] OCHIAI, MASAYUKI, JP
[72] MORITA, MASAHIKO, JP
[72] MORISHITA, KOJI, JP
[72] KAGAMI, ERIKA, JP
[72] RICHIE, JOHN, US
[73] KYOWA HAKKO BIO CO., LTD., JP
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[54] **METHOD OF APPLYING FOAM COMPOSITIONS**
[54] **PROCEDE D'APPLICATION DE COMPOSITIONS DE MOUSSE**
[72] BEMIS, JONATHAN WILLIAM, US
[73] HOLCIM TECHNOLOGY LTD, CH
[86] (2886592)
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[54] **PROCESS AND CATALYST FOR THE PRODUCTION OF PYRIDINE AND ALKYL DERIVATIVES THEREOF**
[54] **PROCEDE ET CATALYSEUR POUR LA PRODUCTION DE PYRIDINE ET DE DERIVES ALKYLE DE CELLE-CI**
[72] RAMPRASAD, DORAI, US
[73] W. R. GRACE & CO.-CONN., US
[85] 2015-04-23
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[54] **MINCED CARTILAGE SYSTEMS AND METHODS**
[54] **SYSTEMES DE CARTILAGE HACHE ET METHODES ASSOCIEES**
[72] SHI, YALING, US
[72] BARRETT, CAROLYN, US
[73] ALLOSOURCE, US
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[54] **SYSTEM AND METHOD FOR USING INTELLIGENT CODES IN CONJUNCTION WITH STORED-VALUE CARDS**
[54] **SYSTEME ET PROCEDE POUR UTILISER DES CODES INTELLIGENTS EN MEME TEMPS QUE DES CARTES CONTENANT UNE VALEUR ENREGISTREE**
[72] CAMPOS, TOMAS ARIEL, US
[72] FLANAGAN, PATRICK RYAN, US
[73] BLACKHAWK NETWORK, INC., US
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[54] **DEVICE AND METHOD FOR HIP-KNEE-ANKLE ANGLE VERIFICATION AND FEMORAL MEC HANICAL AXIS DIGITIZATION**
[54] **DISPOSITIF ET METHODE DE VERIFICATION DE L'ALIGNEMENT HANCHE-GENOU-CHEVILLE ET NUMERISATION DE L'AXE MECANIQUE FEMORAL**
[72] NGUYEN, TRONG TIN, CA
[72] COUTURE, PIERRE, CA
[73] ORTHOSOFT ULC, CA
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[54] **PLANTS AND SEEDS OF CANOLA VARIETY SCV627950**
[54] **PLANTS ET SEMENCES DE CANOLA DE VARIETE SCV627950**
[72] LIU, JUN, US
[72] WU, CHUNREN, US
[73] MONSANTO TECHNOLOGY LLC, US
[86] (2892514)
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[22] 2015-05-26
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[54] **POST-MANUFACTURE CONFIGURATION OF PIN-PAD TERMINALS**
[54] **CONFIGURATION POST FABRICATION DE TERMINAUX DE CLAVIER D'IDENTIFICATION PERSONNELLE**
[72] HAYHOW, ROBERT, CA
[72] ECKER, JEFFREY AARON, CA
[72] ELKHINOVICH, IGOR, CA
[72] WILLARD, KEITH, CA
[73] THE TORONTO-DOMINION BANK, CA
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[30] US (62/002,962) 2014-05-26
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[54] **WORK MACHINE, IN PARTICULAR DUMP TRUCK OR TRUCK**
[54] **MACHINE DE TRAVAIL, EN PARTICULIER UN CAMION A BENNE OU UN CAMION**
[72] LEVARAY, ADRIEN, FR
[72] SOMMER, BERND, DE
[72] BELLAMY, SCOTT, AU
[73] LIEBHERR-MINING EQUIPMENT COLMAR SAS, FR
[86] (2896110)
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[54] **BYPASS PLUNGER**
[54] **PISTON DE DEVIATION**
[72] BOYD, GARRETT, US
[73] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[86] (2897033)
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[25] EN
[54] **LENS FOR LED TRAFFIC LIGHTS**
[54] **LENTILLES DESTINEES A DES FEUX DE CIRCULATION A DEL**
[72] WATKINS, EDWARD T., CA
[73] FORTRAN TRAFFIC SYSTEMS LIMITED, CA
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[25] EN
[54] **PROCESS, METHOD, AND SYSTEM FOR REMOVING HEAVY METALS FROM FLUIDS**
[54] **PROCESSUS, PROCEDE ET SYSTEME POUR ELIMINER DES METAUX LOURDS A PARTIR DE FLUIDES**
[72] COOPER, RUSSELL EVAN, US
[72] O'REAR, DENNIS JOHN, US
[72] YEAN, SUJIN, US
[72] ODUEYUNGBO, SEYI ABIODUN, US
[73] CHEVRON U.S.A. INC., US
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[54] **AIRCRAFT SUPPLEMENTAL THRUST DEVICE AND METHOD**
[54] **DISPOSITIF DE POUSSEE SUPPLEMENTAIRE D'AERONEF ET METHODE**
[72] OTTO, WILLIAM M., US
[73] OTTO, WILLIAM M., US
[85] 2015-07-16
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[87] (WO2014/113444)
[30] US (61/753,215) 2013-01-16
[30] US (14/154,469) 2014-01-14

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[54] **ROTOR DESTINE A UNE TURBINE A GAZ**
[72] ABRARI, FARID, CA
[72] YOUSSEF, NASHED, CA
[72] MARSHALL, ANDREW, CA
[72] MENHEERE, DAVID, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2900399)
[87] (2900399)
[22] 2015-08-13

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[25] EN
[54] **SYSTEM AND METHOD FOR DISSOLVED GAS ANALYSIS**
[54] **SYSTEME ET METHODE D'ANALYSE DE GAZ DISSOUT**
[72] PALANGANDA POONACHA, SAMHITHA, IN
[72] KAVOORI SETHUMADHAVAN, NAGAPRIYA, IN
[72] MAITY, SANDIP, IN
[73] GENERAL ELECTRIC COMPANY, US
[86] (2901207)
[87] (2901207)
[22] 2015-08-24
[30] IN (4193/CHE/2014) 2014-08-27

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[54] **PROTEINES HETERODIMERIQUES**
[72] MOORE, GREGORY, US
[72] DESJARLAIS, JOHN, US
[72] RASHID, RUMANA, US
[72] BERNETT, MATTHEW J., US
[73] XENCOR, INC., US
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[30] US (61/794,896) 2013-03-15
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[30] US (61/938,095) 2014-02-10
[30] US (14/205,248) 2014-03-11
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[54] **INSTRUMENT CHIRURGICAL AVEC VERROUILLAGE D'ACTIONNEMENT**
[72] RANUCCI, KEVIN J., US
[72] CAULDWELL, NATHAN STEWART, US
[72] FELIX, AUGUSTUS, US
[73] C.R. BARD, INC., US
[85] 2015-08-28
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[72] ABBOT, STEWART, US
[72] LI, TIANJIAN, US
[72] LIANG, BITAO, US
[73] CELGENE CORPORATION, US
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[54] **SERVICE CIBLE DE REPETITION**
[72] CARL, CRAIG KEITH, US
[73] AMAZON TECHNOLOGIES, INC., US
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[54] **OPHTHALMIC IMPLANT FOR DELIVERING THERAPEUTIC SUBSTANCES**
[54] **IMPLANT OPHTALMIQUE POUR ADMINISTRER DES SUBSTANCES THERAPEUTIQUES**
[72] ERICKSON, SIGNE, US
[72] CAMPBELL, RANDOLPH E., US
[72] DOUD, DARREN, US
[73] FORSIGHT VISION4, INC., US
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[54] **VACUUM PUMP OF LIGHTWEIGHT CONSTRUCTION**
[54] **POMPE A VIDE DE CONSTRUCTION LEGERE**
[72] WALDER, MARCEL, DE
[72] KOZIN, OLEKSANDR, DE
[72] SZCZEPANEK, REMIGIUS, DE
[72] WALLENFELS, JORG, DE
[72] GERSCHWINAT, ROLF, DE
[72] FROWEIN, KORNELIA, DE
[73] HANON SYSTEMS EFP DEUTSCHLAND GMBH, DE
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[87] (2909097)
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[54] **COMPOSITIONS AND METHODS FOR USE OF PROPPANT SURFACE CHEMISTRY TO IMPROVE PROPPANT CONSOLIDATION AND FLOWBACK CONTROL**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT D'UTILISER LA CHIMIE DE SURFACE CHEZ UN AGENT DE SOUTENEMENT AFIN D'AMELIORER LA CONSOLIDATION DE CELUI-CI ET LA REGULATION DU REFLUX**
[72] CANNAN, CHAD, US
[72] LIENG, THU, US
[72] JOHNSON, DARYL ERWIN, US
[72] CONNER, MARK, US
[73] CARBO CERAMICS INC., US
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[54] **MOTOR FOR AN ELECTROHYDRAULIC ACTUATOR**
[54] **MOTEUR POUR UN VERIN ELECTRO-HYDRAULIQUE**
[72] CLAYCOMB, CHRIS H. A., GB
[72] PAGE, ANDREW E., GB
[73] GOODRICH CONTROL SYSTEMS, GB
[86] (2910511)
[87] (2910511)
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[54] **DEVICE AND METHOD FOR CONTINUOUS DETECTION OF CHANGES OF DENSITY IN FLUIDS AND SOLIDS AS WELL AS USE OF THE DEVICE**
[54] **DISPOSITIF ET PROCEDE DE DETECTION CONTINUE DE CHANGEMENTS DE DENSITE DANS DES FLUIDES ET DANS DES SOLIDES ET UTILISATION DU DISPOSITIF**
[72] ELLINGSEN, OLAV, NO
[72] ELLINGSEN, BJARTE SOREBO, NO
[73] MECSENSE AS, NO
[85] 2015-11-02
[86] 2014-05-06 (PCT/EP2014/059204)
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[25] EN
[54] **INFORMATION PROCESSING DEVICE, APPROACHING OBJECT NOTIFICATION METHOD, AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, PROCEDE DE NOTIFICATION D'APPROCHE D'OBJET, ET PROGRAMME**
[72] OBA, EIJI, JP
[73] SONY CORPORATION, JP
[85] 2015-11-12
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[54] **CONSTRUCTION PANEL HAVING IMPROVED FIXING STRENGTH AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **PANNEAU DE CONSTRUCTION POSSEDANT UNE RESISTANCE DE FIXATION AMELIOREE ET SON PROCEDE DE FABRICATION**
[72] HOTCHIN, GLEN, GB
[72] JONES, NICHOLAS, GB
[72] RICHARDSON, ADAM, GB
[73] SAINT-GOBAIN PLACO SAS, FR
[85] 2015-11-18
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[54] **FLUID REGULATORS HAVING CORRUGATED DIAPHRAGMS**
[54] **REGULATEURS DE FLUIDE COMPRENANT DES MEMBRANES ONDULEES**
[72] VASQUEZ, ERNESTO, US
[72] GRIFFIN, JAMES LYMAN, JR., US
[72] LUKENSMEYER, ANDREW JARED, US
[72] DURANT, TONY ALAN, US
[73] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
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[25] EN
[54] **AGRICULTURAL DRILL/PLANTER/COULTER/DISC BLADE WITH SINE WAVE EDGE**
[54] **SEMOIR/PLANTOIR/COUTRE/LAME DE DISQUE AGRICOLE AVEC BORD EN ONDE SINUSOIDALE**
[72] BRUCE, DOUGLAS G., US
[73] OSMUNDSON MFG. CO., US
[85] 2016-01-25
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[54] **SWAGED CONNECTORS FOR A GROUNDING GRID**
[54] **CONNECTEURS EMBOUTIS DESTINES A UN RESEAU DE MISE A LA TERRE**
[72] MCGANN, SHAWN KERRY, US
[72] SOSA, LUIS, US
[73] DMC POWER, INC., US
[86] (2920762)
[87] (2920762)
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[54] **METHODS AND COMPOSITIONS FOR EXTRACTION AND STORAGE OF NUCLEIC ACIDS**
[54] **PROCEDES ET COMPOSITIONS POUR L'EXTRACTION ET LA CONSERVATION D'ACIDES NUCLEIQUES**
[72] KVAM, ERIK LEEMING, US
[72] LI, BING, US
[72] BALES, BRIAN CHRISTOPHER, US
[73] GLOBAL LIFE SCIENCES SOLUTIONS OPERATIONS UK LTD, GB
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[54] **CORTISTATIN ANALOGUES FOR THE TREATMENT OF INFLAMMATORY AND/OR IMMUNE DISEASES**
[54] **ANALOGUES DE LA CORTISTATINE PERMETTANT LE TRAITEMENT DE MALADIES INFLAMMATOIRES ET/OU D'ORIGINE IMMUNITAIRE**
[72] PONSATI OBIOLS, BERTA, ES
[72] FERNANDEZ CARNEADO, JIMENA, ES
[72] FARRERA-SINFREU, JOSEP, ES
[72] PARENTE DUENA, ANTONIO, ES
[73] BCN PEPTIDES S.A., ES
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[54] **METHOD, APPARATUS AND COMPOSITION FOR INCREASED RECOVERY OF HYDROCARBONSBY PARAFFIN AND ASPHALTENE CONTROL FROM REACTION OF FUELS AND SELECTIVE OXIDIZERS IN THE SUBTERRANEAN ENVIRONMENT**
[54] **METHODE, APPAREIL ET COMPOSITION DESTINES A AUGMENTER LA RECUPERATION D'HYDROCARBURES EN CONTROLANT LA PARAFFINE ET L'ASPHALTENE LORS DE LA REACTION DES CARBURANTS ET DES OXYDANTS SELECTIFS DANS L'ENVIRONNEMENT SOUTERRAIN**
[72] WERNIMONT, ERIC JOHN, US
[73] WERNIMONT, ERIC JOHN, US
[85] 2016-02-17
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[54] **ENHANCED PHOTOCHEMICAL INTERNALISATION USING A TLR LIGAND**
[54] **INTERNALISATION PHOTOCHIMIQUE AMELIOREE UTILISANT UN LIANT DE RECEPTEUR TOLL**
[72] HOGSET, ANDERS, NO
[72] JOHANSEN, PAL, CH
[73] PCI BIOTECH AS, NO
[85] 2016-02-24
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[54] **PET FEEDERS**
[54] **DISPOSITIFS D'ALIMENTATION POUR ANIMAUX DOMESTIQUES**
[72] HILL, NICHOLAS PATRICK ROLAND, GB
[73] SUREFLAP LTD, GB
[85] 2016-02-26
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[54] **APPARATUS, SYSTEMS, AND METHODS FOR IDENTIFYING INSTRUMENTS IN LAPAROSCOPIC OR OTHER MINIMALLY-INVASIVE SURGERY**
[54] **APPAREIL, SYSTEMES ET PROCEDES D'IDENTIFICATION D'INSTRUMENTS DANS UNE CHIRURGIE LAPAROSCOPIQUE OU AUTRE CHIRURGIE MINIMALEMENT-INVASIVE**
[72] COLLINS, JOHN CRAIG, US
[73] COLLINS, JOHN CRAIG, US
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[54] **PROCEDE POUR LA PREPARATION D'ESTETROL**
[72] FERREIRO GIL, JUAN JOSE, ES
[72] IGLESIAS RETUERTO, JESUS MIGUEL, ES
[72] GALLO NIETO, FRANCISCO JAVIER, ES
[73] CRYSTAL PHARMA, S.A.U., ES
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[54] **SYSTEM AND METHOD FOR TESTING DATA REPRESENTATION FOR DIFFERENT MOBILE DEVICES**
[54] **SYSTEME ET PROCEDE DE TEST DE REPRESENTATION DE DONNEES POUR DIFFERENTS DISPOSITIFS MOBILES**
[72] KNOULICH, JAN, CZ
[73] GMC SOFTWARE AG, CH
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[54] **ENERGY SAVING FOOD DISPLAY CABINET**
[54] **MEUBLE DE PRESENTATION D'ALIMENTS ECONOME EN ENERGIE**
[72] NUTTALL, ALAN, GB
[72] STEELE, MICK, GB
[73] THE ALAN NUTTALL PARTNERSHIP LIMITED, GB
[85] 2016-03-23
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[54] **SYSTEMS AND METHODS FOR RESTORING MUSCLE FUNCTION TO THE LUMBAR SPINE**
[54] **SYSTEMES ET PROCEDES DE RETABLISSEMENT DE LA FONCTION MUSCULAIRE AU NIVEAU DU RACHIS LOMBAIRE**
[72] SACHS, DAN, US
[72] RAWAT, PRASHANT BRIJMOHANSINGH, US
[72] SHIROFF, JASON ALAN, US
[72] CROSBY, PETER ANDREW, US
[73] MAINSTAY MEDICAL LIMITED, IE
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[54] **MECHANICALLY ACTUATED CARGO RESTRAINT SYSTEM**
[54] **SYSTEME DE RETENUE DE FRET ACTIONNE MECANIQUEMENT**
[72] TOLLY, AARON JAMES, US
[72] HARRIS, AMY LYNN, US
[73] WOLF TECHNICAL SERVICES, INC., US
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[25] EN
[54] **OPHTHALMIC SURGICAL SYSTEMS, METHODS, AND DEVICES**
[54] **SYSTEMES, METHODES ET DISPOSITIFS CHIRURGICAUX OPHTALMIQUES**
[72] BRENNAN, JEFF, US
[72] HUMAYUN, MARK, US
[73] ALCON INC., US
[85] 2016-04-05
[86] 2014-11-26 (PCT/US2014/067717)
[87] (WO2015/081262)
[30] US (61/910,112) 2013-11-28
[30] US (61/924,164) 2014-01-06
[30] US (61/990,021) 2014-05-07

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[25] EN
[54] **IMPROVED SEPARATOR FOR LUMBER STACKING**
[54] **SEPARATEUR AMELIORE DESTINE A L'EMPILEMENT DE BILLOTS**
[72] TOWNSEND, DAVID, CA
[73] BREEZE DRIED INC., CA
[86] (2926659)
[87] (2926659)
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[25] EN
[54] **SPRAY-DRY FORMULATIONS FOR TREATING PULMONARY ARTERIAL HYPERTENSION**
[54] **FORMULATIONS A SECHAGE PAR PULVERISATION POUR LE TRAITEMENT DE L'HYPERTENSION ARTERIELLE PULMONAIRE**
[72] ZISMAN, LAWRENCE S., US
[73] ZISMAN, LAWRENCE S., US
[85] 2016-04-07
[86] 2014-10-10 (PCT/US2014/060039)
[87] (WO2015/054574)
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[54] **ELEMENT DE PAROI**
[72] SCHMITZ, BURKHARD, DE
[72] ZWICK, CAROLA, DE
[72] ZWICK, ROLAND, DE
[73] SCHMITZ, BURKHARD, DE
[73] ZWICK, CAROLA, DE
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[30] DE (10 2013 020 505.0) 2013-12-11
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[54] **PROCESSES FOR INACTIVATING PATHOGENS IN BIO-WASTES**
[54] **PROCEDES POUR INACTIVER LES PATHOGENES DANS LES DECHETS BIOLOGIQUES**
[72] SAFAEI TAKHTEHFOULADI, ELHAM, CA
[72] ELEKTOROWICZ, MARIA, CA
[72] REIMERS, ROBERT S., US
[72] OLESZKIEWICZ, JAN, CA
[72] DAGHER, FADI, CA
[73] VALORBEC S.E.C., CA
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[30] US (61/718,386) 2012-10-25

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[54] **MICROSCOPE COMPACT**
[72] KAPANIDIS, ACHILLEFS, GB
[72] JING, BO, GB
[72] CRAWFORD, ROBERT, GB
[73] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2016-04-25
[86] 2014-10-27 (PCT/IB2014/065639)
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[30] GB (1318919.6) 2013-10-25

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[25] EN
[54] **FLUID FLOW REGULATOR ASSEMBLY**
[54] **ENSEMBLE REGULATEUR D'ECOULEMENT DE LIQUIDE**
[72] AMBROSINA, JESSE E., US
[72] POWERS, BENJAMIN G., US
[72] SEGIT, ALEXANDER J., US
[73] FRESENIUS KABI USA, LLC, US
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[25] EN
[54] **ADHERED THERMOPLASTIC MEMBRANE ROOFING SYSTEM**
[54] **SYSTEME ADHESIF A MEMBRANE THERMOPLASTIQUE POUR TOITURES**
[72] HUBBARD, MICHAEL J., US
[72] WANG, HAO, US
[72] TANG, JIANSHENG, US
[72] TIPPMANN, DONNA M., US
[73] HOLCIM TECHNOLOGY LTD, CH
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[25] EN
[54] **ANCHOR ELEMENTS, MEDICAL DEVICES INCLUDING ONE OR MORE ANCHOR ELEMENTS AND RELATED ASSEMBLIES AND METHODS**
[54] **ELEMENTS D'ANCRAGE, DISPOSITIFS MEDICAUX COMPRENANT UN OU PLUSIEURS ELEMENTS D'ANCRAGE ET ENSEMBLES ET PROCEDES ASSOCIES**
[72] SHOEMAKE, JAMES, US
[72] RACZ, N. SANDOR, US
[73] CUSTOM MEDICAL APPLICATIONS, INC., US
[85] 2016-05-24
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[87] (WO2015/077796)
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[51] **Int.Cl. C04B 28/04 (2006.01) C04B 28/18 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **ACCELERATING ADMIXTURE FOR CEMENTITIOUS COMPOSITIONS**
[54] **ADJUVANT ACCELERATEUR DE PRISE POUR COMPOSITIONS A BASE DE CIMENT**
[72] FERRARI, GIORGIO, IT
[72] RUSSO, VINCENZO, IT
[72] SQUINZI, MARCO, IT
[73] MAPEI S.P.A., IT
[85] 2016-06-08
[86] 2014-12-05 (PCT/EP2014/076708)
[87] (WO2015/086453)
[30] IT (MI2013A002059) 2013-12-10

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[51] **Int.Cl. F41B 5/10 (2006.01) F41B 5/14 (2006.01)**
[25] EN
[54] **COMPACT COMPOUND BOW**
[54] **ARC COMPOSITE COMPACT**
[72] TRPKOVSKI, PAUL, US
[73] P.T. ARCHERY LLC, US
[85] 2016-06-01
[86] 2014-12-02 (PCT/US2014/068150)
[87] (WO2015/084840)
[30] US (61/910,930) 2013-12-02
[30] US (14/556,980) 2014-12-01

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[51] **Int.Cl. H04W 52/34 (2009.01) H04W 52/14 (2009.01) H04W 52/36 (2009.01)**
[25] EN
[54] **UPLINK TRANSMIT POWER ALLOCATION AND POWER HEADROOM REPORTING BY A USER EQUIPMENT IN A MULTI-CONNECTIVITY ENVIRONMENT**
[54] **ATTRIBUTION DE PUISSANCE DE TRANSMISSION EN LIAISON MONTANTE ET RAPPORT DE MARGE DE SECURITE DE PUISSANCE PAR UN EQUIPEMENT UTILISATEUR DANS UN ENVIRONNEMENT A MULTIPLES CONNECTIV ITES**
[72] VAJAPEYAM, MADHAVAN SRINIVASAN, US
[72] CHEN, WANSHI, US
[72] DAMNJANOVIC, JELENA, US
[72] GAAL, PETER, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-06-27
[86] 2015-01-29 (PCT/US2015/013416)
[87] (WO2015/116757)
[30] US (61/933,829) 2014-01-30
[30] US (14/607,348) 2015-01-28

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) B01L 3/02 (2006.01)**
[25] EN
[54] **BLOOD SAMPLE MANAGEMENT USING OPEN CELL FOAM**
[54] **PRISE EN CHARGE D'ECHANTILLONS DE SANG AU MOYEN DE PLASTIQUE A ALVEOLES OUVERTS**
[72] IVOSEVIC, MILAN, US
[72] BLAKE, ALEXANDER JAMES, US
[72] MUTHARD, RYAN W., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2016-06-27
[86] 2015-09-22 (PCT/US2015/051490)
[87] (WO2016/060795)
[30] US (62/063,536) 2014-10-14
[30] US (62/207,618) 2015-08-20

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[13] C
[51] **Int.Cl. C07D 235/06 (2006.01) A61K 31/4184 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **1,2-NAPHTHOQUINONE BASED DERIVATIVE AND METHOD OF PREPARING THE SAME**
[54] **DERIVE A BASE DE 1,2-NAPHTOQUINONE ET METHODE DE PREPARATION ASSOCIEE**
[72] LEE, WHEE SEONG, KR
[72] LEE, MI JUNG, KR
[72] KIM, BO JUNG, KR
[72] ROH, TAE CHEUL, KR
[72] LEE, SEUNG HOON, KR
[72] LEE, KYU DAE, KR
[72] LEE, YOU-HUI, KR
[72] KWAK, TAE HWAN, KR
[73] YUNGJIN PHARM. CO., LTD., KR
[85] 2016-06-28
[86] 2014-12-30 (PCT/KR2014/013040)
[87] (WO2015/102371)
[30] KR (10-2013-0166585) 2013-12-30

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[13] C
[51] **Int.Cl. C10B 43/12 (2006.01)**
[25] EN
[54] **METHODS FOR DECARBONIZING COKING OVENS, AND ASSOCIATED SYSTEMS AND DEVICES**
[54] **PROCEDES POUR DESENCRASSER DES FOURS A COKE, ET SYSTEMES ET DISPOSITIFS ASSOCIES**
[72] QUANCI, JOHN FRANCIS, US
[72] CHOI, CHUN WAI, US
[72] BALL, MARK, US
[72] AMADIO, TONY, US
[72] WEST, GARY, US
[72] RODGER, BRADLEY THOMAS, US
[72] JOHNSON, DWAYNE, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2016-06-28
[86] 2014-12-31 (PCT/US2014/073034)
[87] (WO2015/103414)
[30] US (61/922,614) 2013-12-31

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[13] C
[51] **Int.Cl. G06F 3/04886 (2022.01) G06F 3/0481 (2022.01) G06F 3/01 (2006.01) H04M 1/23 (2006.01)**
[25] EN
[54] **VIRTUAL KEYPAD INPUT DEVICE**
[54] **DISPOSITIF DE SAISIE A CLAVIER VIRTUEL**
[72] MAW, WAI-LIN, CA
[73] MAW, WAI-LIN, CA
[86] (2936364)
[87] (2936364)
[22] 2016-07-18

[11] **2,936,573**
[13] C
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/00 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **A SYSTEM, APPARATUS AND METHOD FOR MEASURING BODY CHARACTERISTICS**
[54] **SYSTEME, APPAREIL ET PROCEDE DE MESURE DE CARACTERISTIQUES DE CORPS**
[72] WOOLFSON, DAVID, IE
[72] BAIN, DUNCAN, GB
[73] CHAPELGLADE LIMITED, IE
[85] 2016-07-12
[86] 2015-01-26 (PCT/EP2015/051513)
[87] (WO2015/110639)
[30] GB (1401227.2) 2014-01-24

[11] **2,938,543**
[13] C
[51] **Int.Cl. A63C 5/075 (2006.01)**
[25] EN
[54] **SPORTING DEVICE**
[54] **APPAREIL DE SPORT**
[72] LINZMEIER, HORST, DE
[73] LINZMEIER, HORST, DE
[85] 2016-08-02
[86] 2015-02-05 (PCT/EP2015/000229)
[87] (WO2015/117756)
[30] DE (10 2014 001 548.3) 2014-02-08
[30] DE (20 2014 003 170.3) 2014-04-12

[11] **2,939,968**
[13] C
[51] **Int.Cl. A61K 31/7048 (2006.01) A61K 31/352 (2006.01) A61K 36/539 (2006.01)**
[25] EN
[54] **ADJUVANT CONTAINING BAICALIN, PARTICULARLY FROM A SCUTELLARIA BAICALENSIS EXTRACT, AND ANIMAL FEED CONTAINING SUCH AN ADJUVANT**
[54] **ADJUVANT COMPRENANT DE LA BAICALINE NOTAMMENT ISSUE D'UN EXTRAIT DE SCUTELLARIA BAICALENSIS ET ALIMENT POUR ANIMAUX COMPRENANT UN TEL ADSUVANT**
[72] ROBERT, FABRICE, FR
[73] DELTAVIT, FR
[85] 2016-08-17
[86] 2015-02-25 (PCT/FR2015/050450)
[87] (WO2015/128580)
[30] FR (1451501) 2014-02-25

[11] **2,940,566**
[13] C
[51] **Int.Cl. C08B 30/04 (2006.01) A61K 31/718 (2006.01) C08B 30/18 (2006.01)**
[25] FR
[54] **OPTIMIZED METHOD FOR DECONTAMINATING PRODUCTION OF GLUCOSE POLYMERS AND GLUCOSE POLYMER HYDROLYSATES**
[54] **PROCEDE OPTIMISE DE DECONTAMINATION DE PRODUCTION DE POLYMERES DE GLUCOSE ET D'HYDROLYSATS DE POLYMERES DE GLUCOSE**
[72] LANOS, PIERRE, FR
[72] DUVET, SOPHIE, FR
[72] DUPONT, THIERRY, FR
[72] ALLAIN, FABRICE, FR
[72] CARPENTIER, MATHIEU, FR
[72] DENYS, AGNES, FR
[72] HACINE-GHERBI, HELA, FR
[73] ROQUETTE FRERES, FR
[85] 2016-08-24
[86] 2015-03-20 (PCT/FR2015/050706)
[87] (WO2015/140477)
[30] FR (14 52354) 2014-03-21

[11] **2,940,668**
[13] C
[25] EN
[54] **CONNECTED DEVICE-TRIGGERED FAILURE ANALYSIS**
[54] **ANALYSE DE PANNE DECLENCHEE PAR UN DISPOSITIF CONNECTE**
[72] LEE, JOHN JONG SUK, CA
[72] CHAN, PAUL MON-WAH, CA
[72] BARNETT, JONATHAN K., CA
[72] FRITZ, ROISIN, CA
[72] GROUIOS, MICHAEL, CA
[72] MOGHAIZEL, JOE, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2940668)
[87] (2940668)
[22] 2016-08-30
[30] US (62/212,457) 2015-08-31

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[13] C
[51] **Int.Cl. C08G 63/78 (2006.01) C08G 63/16 (2006.01) C08G 63/80 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A POLYESTER UNDER SPECIFIC ESTERIFICATION CONDITIONS**
[54] **PROCEDE DE PREPARATION D'UN POLYESTER DANS DES CONDITIONS DEFINIES D'ESTERIFICATION**
[72] KOLSTAD, JEFFREY JOHN, NL
[72] DAM, MATHEUS ADRIANUS, NL
[72] WANG, BING, NL
[72] SCHIAVONE, ROBERT JOSEPH, US
[72] ANDREWS, MARION L., US
[72] PASCHKE, EDWARD E., US
[73] FURANIX TECHNOLOGIES B.V., NL
[85] 2016-08-29
[86] 2015-03-11 (PCT/NL2015/050151)
[87] (WO2015/137804)
[30] NL (2012405) 2014-03-11
[30] US (61/951,222) 2014-03-11

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[51] **Int.Cl. B01F 35/222 (2022.01) B01F 35/50 (2022.01) B28C 5/12 (2006.01) B28C 5/42 (2006.01) E01C 19/02 (2006.01) E01C 19/47 (2006.01) E02D 3/12 (2006.01)**
[25] EN
[54] **BATCH MODE SOIL IMPROVEMENT**
[54] **AMELIORATION DU SOL EN MODE DISCONTINU**
[72] SEGHERS, WILLEM, BE
[73] ASENCO NV, BE
[85] 2016-09-01
[86] 2015-03-03 (PCT/EP2015/054452)
[87] (WO2015/132274)
[30] BE (2014/0144) 2014-03-03

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[51] **Int.Cl. C08L 95/00 (2006.01) C04B 24/34 (2006.01) C04B 26/26 (2006.01) C08L 97/00 (2006.01)**
[25] EN
[54] **BITUMEN COMPOSITION WITH LIGNIN**
[54] **COMPOSITION DE BITUME COMPORTANT DE LA LIGNINE**
[72] SLAGHEK, THEODOOR MAXIMILIAAN, NL
[72] VAN VLIET, DAVE, NL
[72] GIEZEN, CECILE, NL
[72] HAAKSMAN, INGRID KARIN, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2016-09-09
[86] 2015-03-13 (PCT/NL2015/050163)
[87] (WO2015/137813)
[30] EP (14159436.6) 2014-03-13

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[13] C
[51] **Int.Cl. G06F 11/30 (2006.01)**
[25] EN
[54] **INTEGRATED MONITORING AND CONTROL OF PROCESSING ENVIRONMENT**
[54] **SURVEILLANCE ET REGULATION INTEGREES D'ENVIRONNEMENT DE TRAITEMENT**
[72] LACHIUSA, DINO, US
[72] VIGNEAU, JOYCE L., US
[72] BUXBAUM, MARK, US
[72] MILLER, BRAD LEE, US
[72] WAKELING, TIM, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2016-09-12
[86] 2015-04-17 (PCT/US2015/026448)
[87] (WO2015/161236)
[30] US (61/980,694) 2014-04-17

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[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) A61K 38/00 (2006.01) A61P 37/00 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **ANTIBODY-FYNOMER CONJUGATES**
[54] **CONJUGUES ANTICORPS-FYNOMER**
[72] NEWMAN, ROLAND, US
[72] GRANGER, STEVE, US
[72] LYMAN, MICHAEL, US
[72] GRABULOVSKI, DRAGAN, CH
[72] WOODS, RICHARD, CH
[72] SILACCI, MICHELA, CH
[72] ZHA, WENJUAN, CH
[72] ATTINGER-TOLLER, ISABELLA, CH
[73] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2016-09-12
[86] 2015-03-16 (PCT/JP2015/058645)
[87] (WO2015/141862)
[30] US (61/954,437) 2014-03-17

[11] **2,942,678**
[13] C
[51] **Int.Cl. C09J 5/08 (2006.01) C09J 9/00 (2006.01) C09J 11/08 (2006.01) C09J 201/00 (2006.01) F16F 7/12 (2006.01)**
[25] EN
[54] **SHOCK ABSORBING EXPANDED ADHESIVE AND ARTICLES THEREFROM**
[54] **ADHESIF EXPANSE AMORTISSANT LES CHOCS ET ARTICLE FABRIQUE A PARTIR DE CELUI-CI**
[72] BOGNER, JOSH M., US
[72] MILLIMAN, HENRY W., US
[73] AVERY DENNISON CORPORATION, US
[85] 2016-09-13
[86] 2015-03-13 (PCT/US2015/020424)
[87] (WO2015/138881)
[30] US (61/952,209) 2014-03-13

[11] **2,942,731**
[13] C
[51] **Int.Cl. C07K 9/00 (2006.01) A01N 1/02 (2006.01) A61K 8/60 (2006.01) A61K 8/64 (2006.01) A61Q 17/00 (2006.01) A61Q 19/08 (2006.01) C07H 7/02 (2006.01)**
[25] EN
[54] **GLYCOPEPTIDE DERIVATIVES FOR THE PRESERVATION AND PROTECTION OF BIOLOGICAL MATERIALS AND MICROORGANISMS**
[54] **DERIVES DE GLYCOPEPTIDES UTILISES EN VUE DE LA CONSERVATION ET DE LA PROTECTION DE MATIERES BIOLOGIQUES ET DE MICROORGANISMES**
[72] DELIENCOURT-GODEFROY, GERALDINE, FR
[72] MARTIN, THIBAUT, FR
[73] TFCHEM, FR
[85] 2016-09-14
[86] 2015-03-17 (PCT/EP2015/055577)
[87] (WO2015/140178)
[30] EP (14305374.2) 2014-03-17

[11] **2,942,752**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/068 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR LOADING SUTURE**
[54] **APPAREIL ET PROCEDES DE CHARGEMENT DE SUTURE**
[72] HARRISON, ROBERT, CA
[72] OLDHAM, ANDREW, CA
[72] GODARA, NEIL, CA
[72] ARNETT, JEFFERY, US
[73] ANCHOR ORTHOPEDICS XT INC., CA
[85] 2016-09-14
[86] 2014-09-17 (PCT/IB2014/064608)
[87] (WO2015/140606)
[30] IB (PCT/IB2014/059847) 2014-03-15

[11] **2,943,411**
[13] C
[51] **Int.Cl. H04N 21/235 (2011.01)**
[25] EN
[54] **AUTOMATED DEFINITION OF SYSTEM BEHAVIOR OR USER EXPERIENCE BY RECORDING, SHARING, AND PROCESSING INFORMATION ASSOCIATED WITH WIDE-ANGLE IMAGE**
[54] **DEFINITION AUTOMATIQUE D'UN COMPORTEMENT SYSTEME OU D'UNE EXPERIENCE UTILISATEUR VIA L'ENREGISTREMENT, LE PARTAGE ET DE TRAITEMENT D'INFORMATIONS ASSOCIEES A UNE IMAGE GRAND-ANGLE**
[72] KONEN, PIERRE, CA
[72] NINI, PASCALE, CA
[72] PARENT, JOCELYN, CA
[72] ROULET, PATRICE, CA
[72] THIBAULT, SIMON, CA
[72] ZHANG, HU, CA
[72] GOSSELIN, MARIE-EVE, CA
[72] BATAILLE, VALENTIN, CA
[72] DU, XIAOJUN, CA
[73] 6115187 CANADA INC. D/B/A IMMERVISION, INC., CA
[85] 2016-09-21
[86] 2015-03-25 (PCT/CA2015/000192)
[87] (WO2015/143547)
[30] US (61/970,159) 2014-03-25

[11] **2,945,344**
[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/00 (2006.01) A61B 17/32 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TISSUE REMOVAL**
[54] **SYSTEMES ET PROCEDES DE RETRAIT DE TISSU**
[72] WACHLI, SERENE, US
[72] BRESLIN, TRACY, US
[72] KESSLER, STEVEN, US
[72] POULSEN, NIKOLAI, US
[72] COLLINS, NATHAN, US
[72] DO, ALEXANDRA, US
[72] BOLANOS, EDUARDO, US
[72] PRAVONG, BOUN, US
[72] ELLIOTT, PATRICK, US
[72] WIXEY, MATTHEW, US
[72] YOUNG, WAYNE, US
[72] FILEK, JACOB, US
[72] CASTELO, KEVIN, US
[72] HOKE, ADAM, US
[72] HOFSTETTER, GREG, US
[72] DEMARCHI, JACQUELINE, US
[72] GARCES, AMY, US
[72] HOLMES, HEIDI, US
[72] SHEEHAN, ALEXANDER, US
[73] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2016-10-07
[86] 2015-04-23 (PCT/US2015/027274)
[87] (WO2015/164591)
[30] US (61/982,997) 2014-04-23
[30] US (61/983,413) 2014-04-23
[30] US (62/014,038) 2014-06-18
[30] US (62/024,698) 2014-07-15
[30] US (62/079,171) 2014-11-13
[30] US (62/081,297) 2014-11-18
[30] US (62/107,107) 2015-01-23

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[13] C
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL DEVICE**
[54] **DISPOSITIF CHIRURGICAL ELECTRIQUE**
[72] BROOKE, GERARD, GB
[73] BROOKE, GERARD, GB
[85] 2016-10-18
[86] 2014-04-30 (PCT/GB2014/051345)
[87] (WO2014/177866)
[30] GB (1307866.2) 2013-05-01

[11] **2,946,244**
[13] C
[51] **Int.Cl. G06K 19/06 (2006.01)**
[25] EN
[54] **ENCODED CELLS AND CELL ARRAYS**
[54] **CELLULES CODEES ET RESEAUX DE CELLULES**
[72] ULYATE, JOHN ADAM, ZA
[73] GELLINER LIMITED, GB
[85] 2016-10-18
[86] 2015-04-27 (PCT/GB2015/051217)
[87] (WO2015/166221)
[30] GB (1407432.2) 2014-04-28

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[13] C
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **MODIFIED ANTIGEN BINDING POLYPEPTIDE CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS MODIFIEES DE POLYPEPTIDE DE LIAISON A UN ANTIGENE ET LEURS UTILISATIONS**
[72] SANCHES, MARIO, CA
[72] SPRETER VON KREUDENSTEIN, THOMAS, CA
[72] DIXIT, SURJIT BHIMARAO, CA
[72] UROSEV, DUNJA, CA
[72] D'ANGELO, IGOR EDMONDO PAOLO, CA
[72] TOM-YEW, STACEY A. L., CA
[72] CHOU, YANG-CHIEH, US
[72] CORPER, ADAM LOUIS, US
[73] ZYMEWORKS INC., CA
[85] 2016-10-20
[86] 2015-05-29 (PCT/IB2015/054107)
[87] (WO2015/181805)
[30] US (62/003,663) 2014-05-28
[30] US (62/154,055) 2015-04-28

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[13] C
[51] **Int.Cl. G01V 3/08 (2006.01) G01V 3/12 (2006.01) G01V 3/15 (2006.01) G01V 3/16 (2006.01) G01V 3/165 (2006.01) G01V 3/17 (2006.01) H03F 3/189 (2006.01) H03K 7/08 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **HIGH FREQUENCY MODULATED TRANSMITTER ARRANGEMENT**
[54] **AGENCEMENT D'EMETTEUR MODULE HAUTE FREQUENCE**
[72] CARPENTER, ANDREW JAMES, AU
[72] RANKIN, BRETT GARDINER, AU
[72] KALAN, BRUCE, AU
[72] LOVATT, HOWARD, AU
[72] LESLIE, KEITH, AU
[73] BLACKBARK ENTERPRISES PTY LTD., AU
[85] 2016-10-24
[86] 2015-03-24 (PCT/AU2015/000169)
[87] (WO2015/143480)
[30] AU (2014901049) 2014-03-24

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[13] C
[51] **Int.Cl. G01V 1/42 (2006.01)**
[25] EN
[54] **ASSESSING A FRACTURE PROPAGATION MODEL BASED ON SEISMIC DATA**
[54] **EVALUATION D'UN MODELE DE PROPAGATION DE FRACTURE SUR LA BASE DE DONNEES SISMIQUES**
[72] WALTERS, HAROLD GRAYSON, US
[72] RANJAN, PRIYESH, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-10-31
[86] 2014-06-04 (PCT/US2014/040808)
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[13] C
[51] **Int.Cl. H04W 74/02 (2009.01)**
[25] EN
[54] **CHANNEL USAGE BEACON SIGNAL TRANSMISSIONS BASED ON UPLINK TRANSMISSIONS OVER AN UNLICENSED RADIO FREQUENCY SPECTRUM BAND**
[54] **EMISSIONS DE SIGNAL DE BALISE D'UTILISATION DE CANAL SUR LA BASE D'EMISSIONS EN LIAISON MONTANTE SUR UNE BANDE DE SPECTRE DE FREQUENCES RADIO NON AUTORISEE**
[72] WEI, YONGBIN, US
[72] XU, HAO, US
[72] LUO, TAO, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-11-02
[86] 2015-04-14 (PCT/US2015/025732)
[87] (WO2015/191156)
[30] US (62/010,366) 2014-06-10
[30] US (14/685,327) 2015-04-13

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[13] C
[51] **Int.Cl. A61M 60/81 (2021.01) A61M 60/216 (2021.01) A61M 60/812 (2021.01)**
[25] EN
[54] **BLOOD PUMP HOUSING COMPONENT**
[54] **COMPOSANT DE BOITIER DE POMPE A SANG**
[72] CORBETT, SCOTT C., US
[72] QI, ZHONGWEI, US
[72] LEE, KAR, US
[73] ABIOMED, INC., US
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[25] EN
[54] **TRANSDERMAL DELIVERY SYSTEM INCLUDING AN INTERFACE MEDIATOR**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE COMPRENANT UN MEDIATEUR D'INTERFACE**
[72] EMGENBROICH, MARCO, DE
[72] LEONHARD, JOHANNES JOSEF, DE
[72] KASSNER, KRISTINA, DE
[72] LAPPERT, AURELIA, BE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2016-11-07
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[51] **Int.Cl. A61K 38/12 (2006.01)**
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[54] **CRYSTAL FORMS OF HCV PROTEASE INHIBITORS AND USE THEREOF**
[54] **FORMES CRISTALLINES D'INHIBITEURS DE PROTEASE DU VIRUS DE L'HEPATITE C (VHC) ET LEUR UTILISATION**
[72] CHEN, SHUANG, US
[72] GATES, BRADLEY D., US
[72] SHEIKH, AHMAD Y., US
[73] ABBVIE INC., US
[85] 2016-11-10
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[54] **COMPOSITIONS AND METHODS FOR WELL CEMENTING**
[54] **COMPOSITIONS ET PROCEDES DE CIMENTATION DE PUITS**
[72] ALLOUCHE, MICKAEL, FR
[72] CATHELINE, SEBASTIEN, FR
[72] CHOUGNET-SIRAPIAN, ALICE, FR
[72] DROGER, NICOLAS, FR
[73] SCHLUMBERGER CANADA LIMITED, CA
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[51] **Int.Cl. E21B 47/13 (2012.01) H04B 3/00 (2006.01) H04B 3/46 (2015.01)**
[25] EN
[54] **OPTIMIZING DOWNHOLE DATA COMMUNICATION WITH AT BIT SENSORS AND NODES**
[54] **OPTIMISATION D'UNE COMMUNICATION DE DONNEES DE FOND DE TROU AVEC DES CAPTEURS DE TREPAN ET DES N□UDS**
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] LIU, JILI, CA
[72] SWITZER, DAVID A., CA
[72] HARRIS, ROBERT, CA
[72] BUTERNOWSKY, BARRY DANIEL, CA
[72] WEST, KURTIS, CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2016-12-19
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[25] EN
[54] **METHODS AND APPARATUS TO DETERMINE PARAMETERS OF A PUMPING UNIT FOR USE WITH WELLS**
[54] **PROCEDES ET APPAREIL POUR DETERMINER DES PARAMETRES D'UNE UNITE DE POMPAGE A UTILISER AVEC DES PUITS**
[72] MILLS, THOMAS MATTHEW, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
[85] 2016-12-22
[86] 2015-07-01 (PCT/US2015/038731)
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[25] EN
[54] **ADHESIVE PACKAGING SYSTEMS AND LAMINATING METHODS USING THE SAME**
[54] **SYSTEME D'EMBALLAGE ADHESIF, ET PROCEDES DE CONTRECOLLAGE L'UTILISANT**
[72] ROBITAILLE, MARTIN, CA
[73] MAROTECH INC., CA
[85] 2016-12-23
[86] 2015-07-02 (PCT/CA2015/050616)
[87] (WO2016/000078)
[30] CA (PCT/CA2014/050633) 2014-07-03

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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 37/00 (2006.01)**
[25] EN
[54] **PREPARATION AND COATING OF THREE-DIMENSIONAL OBJECTS WITH ORGANIC OPTOELECTRONIC DEVICES INCLUDING ELECTRICITY-GENERATING ORGANIC PHOTOVOLTAIC FILMS USING THIN FLEXIBLE SUBSTRATES WITH PRESSURE-SENSITIVE ADHESIVES**
[54] **PREPARATION ET REVETEMENT D'OBJETS TRIDIMENSIONNELS AVEC DES DISPOSITIFS OPTOELECTRONIQUES ORGANIQUES COMPRENANT DES FILMS PHOTOVOLTAIQUES ORGANIQUES PRODUISANT DE L'ELECTRICITE A L'AIDE DE SUBSTRATS SOUPLES ET MINCES AVEC ADHESIF SENSIBLE A LA PRESSION**
[72] CONKLIN, JOHN ANTHONY, US
[72] HAMMOND, SCOTT RYAN, US
[73] SOLARWINDOW TECHNOLOGIES, INC., US
[85] 2016-12-23
[86] 2014-06-27 (PCT/US2014/044655)
[87] (WO2014/210507)
[30] US (61/841,243) 2013-06-28
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[30] US (61/841,251) 2013-06-28
[30] US (61/842,355) 2013-07-02
[30] US (61/842,357) 2013-07-02
[30] US (61/842,365) 2013-07-02
[30] US (61/842,372) 2013-07-02
[30] US (61/842,375) 2013-07-02
[30] US (61/842,796) 2013-07-03
[30] US (61/842,803) 2013-07-03

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[54] **PROCESS FOR THE PREPARATION OF 3-HYDROXYPICOLINIC ACIDS**
[54] **PROCEDE DE PREPARATION D'ACIDES 3--HYDROXYPICOLINIQUES**
[72] RENGA, JAMES M., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2017-01-03
[86] 2015-07-07 (PCT/US2015/039411)
[87] (WO2016/007532)
[30] US (62/021,868) 2014-07-08

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[25] EN
[54] **PHENOTYPIC CHARACTERIZATION AND IN SITU GENOTYPING OF A LIBRARY OF GENETICALLY DIFFERENT CELLS**
[54] **CARACTERISATION PHENOTYPIQUE ET GENOTYPAGE IN SITU D'UNE BIBLIOTHEQUE DE CELLULES GENETIQUEMENT DIFFERENTES**
[72] ELF, JOHAN, SE
[72] OHMAN, OVE, SE
[72] CHURCH, GEORGE, US
[73] SYSMEX ASTREGO AB, SE
[85] 2017-01-05
[86] 2015-02-27 (PCT/SE2015/050227)
[87] (WO2016/007063)
[30] SE (1450860-0) 2014-07-07

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[25] EN
[54] **MICROFLUIDIC DEVICE**
[54] **DISPOSITIF MICROFLUIDIQUE**
[72] ELF, JOHAN, SE
[72] BALTEKIN, OZDEN, SE
[72] ANDERSSON, DAN I., SE
[73] SYSMEX ASTREGO AB, SE
[85] 2017-01-05
[86] 2015-06-12 (PCT/SE2015/050685)
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[25] EN
[54] **PHOTOBIOREACTOR SYSTEMS AND METHODS FOR PRODUCING BIOMASS**
[54] **SYSTEMES ET PROCEDES DE PHOTOBIOREACTEUR PERMETTANT DE PRODUIRE DE LA BIOMASSE**
[72] WU, XIAOXI, US
[73] WU, XIAOXI, US
[85] 2017-01-09
[86] 2015-07-09 (PCT/US2015/039703)
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[51] **Int.Cl. E04B 1/348 (2006.01) E04C 2/292 (2006.01)**
[25] EN
[54] **INTERLOCKING WALL PANELS FOR MODULAR BUILDING UNITS**
[54] **PANNEAUX MURAUX INTERVERROUILLABLES POUR UNITES DE CONSTRUCTION MODULAIRES**
[72] BOTTIN, HERVE, FR
[72] DEREMY, JEAN-MARC, FR
[73] WILLIAMS SCOTSMAN, INC., US
[85] 2017-01-11
[86] 2015-07-17 (PCT/EP2015/066477)
[87] (WO2016/009070)
[30] US (62/026,256) 2014-07-18

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[25] EN
[54] **CONSTRUCTION BOARDS HAVING A PRESSURE-SENSITIVE ADHESIVE LAYER**
[54] **PANNEAUX DE CONSTRUCTION AYANT UNE COUCHE ADHESIVE SENSIBLE A LA PRESSION**
[72] MCJUNKINS, WILLIAM ROBERT, US
[72] TANG, JIANSHENG, US
[72] ALEXANDER, BRIAN SCOTT, US
[72] WATKINS, CARL EDWARD, US
[72] TACKETT, TIMOTHY DEAN, US
[73] HOLCIM TECHNOLOGY LTD, CH
[85] 2017-01-10
[86] 2015-07-20 (PCT/US2015/041120)
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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/14 (2006.01)**
[25] EN
[54] **A METHOD OF PREPARING AMORPHOUS SOLID DISPERSION IN SUBMICRON RANGE BY CO-PRECIPITATION**
[54] **PROCEDE DE PREPARATION D'UNE DISPERSION SOLIDE AMORPHE DANS LE DOMAINE SUBMICRONIQUE PAR COPRECIPITATION**
[72] TEMTEM, MARCIO, PT
[72] PEREIRA, RUBEN, PT
[72] VICENTE, JOAO, PT
[72] GASPER, FILIPE, PT
[72] DUARTE, IRIS, PT
[73] HOVIONE INTERNATIONAL LTD, CN
[85] 2017-01-30
[86] 2015-07-31 (PCT/GB2015/052233)
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) E21B 47/26 (2012.01) E21B 47/18 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING A DOWNHOLE TOOL**
[54] **PROCEDE ET APPAREIL DE COMMANDE D'UN OUTIL DE FOND DE TROU**
[72] KNIGHT, MATTHEW DAVID, GB
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2017-02-10
[86] 2015-09-02 (PCT/GB2015/052536)
[87] (WO2016/034876)
[30] GB (1415599.8) 2014-09-03

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[25] EN
[54] **AN IMPROVED SEAL FOR A VACUUM MATERIAL LIFTER**
[54] **JOINT AMELIORE POUR UN APPAREIL DE LEVAGE DE MATERIAU PAR LE VIDE**
[72] DENTON, ROBERT, US
[72] PODESTA, JAMES RAY, US
[72] SOLOMON, WILLIAM, US
[73] VACUWORX GLOBAL LLC, US
[85] 2017-02-13
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[30] US (62/039,665) 2014-08-20
[30] US (14/829,827) 2015-08-19

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[51] **Int.Cl. A61K 9/20 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **FILM COATED TABLET FOR THE TREATMENT OF ACUTE PAIN**
[54] **COMPRIMES PELLICULES POUR LE TRAITEMENT DE LA DOULEUR AIGUE**
[72] SAUERLAND, SANDRA, DE
[72] FUERST, THOMAS, DE
[72] HEGEWISCH, ALBERTO, MX
[72] WEISER, THOMAS, DE
[73] SANOFI-AVENTIS DEUTSCHLAND GMBH, DE
[73] SANOFI-AVENTIS DE MEXICO SA DE CV, MX
[85] 2017-02-15
[86] 2015-07-23 (PCT/EP2015/066884)
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[30] EP (14002975.2) 2014-08-28

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[51] **Int.Cl. B64D 33/04 (2006.01) B64C 1/14 (2006.01) B64D 33/08 (2006.01)**
[25] EN
[54] **ACTUATED OUTLET DOOR FOR AIRCRAFT HIGH-TEMPERATURE EXHAUST**
[54] **PORTE DE SORTIE ACTIONNEE POUR ECHAPPEMENT A HAUTE TEMPERATURE D'AERONEF**
[72] IAROCCI, NICK, CA
[72] SADRI, REZA, CA
[72] POIRIER, VINCENT, CA
[72] DUSSAULT, KATHLEEN, CA
[72] BOILEAU, EDMOND, CA
[73] BOMBARDIER INC., CA
[85] 2017-02-15
[86] 2015-07-29 (PCT/IB2015/055735)
[87] (WO2016/027187)
[30] US (62/039,648) 2014-08-20

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[13] C
[51] **Int.Cl. B65D 55/06 (2006.01)**
[25] EN
[54] **TAMPER EVIDENT AND RESISTANT CONTAINER**
[54] **CONTENANT RESISTANT COMPORTANT UN TEMOIN D'INVIOLABILITE**
[72] MYER, WAYNE J., US
[73] DART CONTAINER CORPORATION, US
[86] (2958930)
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[25] EN
[54] **METHOD FOR THE PROPHYLACTIC TREATMENT OF A FOOD PRODUCT SILO**
[54] **PROCEDE POUR LE TRAITEMENT PROPHYLACTIQUE DE SILO POUR PRODUITS ALIMENTAIRES**
[72] PATAT, OLIVIER, FR
[72] PASCAL, JEAN-PHILIPPE, FR
[73] SOLVAY SA, BE
[85] 2017-02-22
[86] 2015-09-04 (PCT/EP2015/070227)
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[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **REMOVAL OF HYDROGEN SULPHIDE AND CARBON DIOXIDE FROM A STREAM OF FLUID**
[54] **ELIMINATION DU SULFURE D'HYDROGENE ET DU DIOXYDE DE CARBONE D'UN FLUX DE FLUIDE**
[72] INGRAM, THOMAS, DE
[72] NOTZ, RALF, DE
[72] VORBERG, GERALD, DE
[72] SIEDER, GEORG, DE
[73] BASF SE, DE
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[30] EP (14182101.7) 2014-08-25

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[51] **Int.Cl. E21B 7/06 (2006.01) E21B 7/08 (2006.01) E21B 47/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DIRECTIONAL DRILLING**
[54] **PROCEDE ET SYSTEME DE FORAGE DIRECTIONNEL**
[72] SUMMERS, MATTHEW, US
[72] HILDEBRAND, GINGER VINYARD, US
[72] KOTOVSKY, WAYNE, US
[72] COFFMAN, CHUNLING GU, US
[72] ISANGULOV, RUSTAM, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[30] US (62/042,869) 2014-08-28

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[25] EN
[54] **ROD MAGAZINE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CHARGEUR DE TIGES**
[72] SAARELA, JUHA, FI
[72] KAMARAINEN, TIMO, FI
[72] SIEPPI, VESA, FI
[73] ARCTIC DRILLING COMPANY OY LTD, FI
[85] 2017-03-02
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[30] FI (20145797) 2014-09-12

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[51] **Int.Cl. H02B 1/54 (2006.01)**
[25] EN
[54] **SUBSTRUCTURE FOR INCREASING THE EARTHQUAKE RESISTANCE OF A HIGH-VOLTAGE COMPONENT**
[54] **INFRASTRUCTURE DESTINEE A AUGMENTER LA RESISTANCE D'UN COMPOSANT A HAUTE TENSION VIS-A-VIS DES TREMBLEMENTS DE TERRE**
[72] EDER, JOSEF, AT
[72] GAUN, ALEXANDER, AT
[73] COIL HOLDING GMBH, AT
[85] 2017-03-14
[86] 2015-07-17 (PCT/AT2015/050171)
[87] (WO2016/007982)
[30] AT (A 50502/2014) 2014-07-18

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[25] EN
[54] **OSTEOINTEGRATIVE COMPOSITION FOR MEDICAL IMPLANTS**
[54] **COMPOSITION D'OSTEOINTEGRATION POUR DES IMPLANTS MEDICAUX**
[72] DIRKS, ANTONIUS JOHANNES, NL
[72] LOONTJENS, JACOBUS ANTONIUS, NL
[72] RIJK, LLEWELLYN, NL
[72] ODEKERKEN, JIM C.E., NL
[72] WELTING, TIM JOHANNES MARIA, NL
[73] DSM IP ASSETS B.V., NL
[73] MAASTRICHT UNIVERSITY, NL
[73] ACADEMISCH ZIEKENHUIS MAASTRICHT, NL
[85] 2017-03-20
[86] 2015-09-28 (PCT/NL2015/050671)
[87] (WO2016/048155)
[30] EP (14186637.6) 2014-09-26

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[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING PSORIASIS PATIENT WHICH RECEIVED ANTI-TNF-ALPHA ANTIBODY THERAPY**
[54] **PROCEDE POUR TRAITER UN PATIENT SOUFFRANT DE PSORIASIS QUI A RECU UN TRAITEMENT PAR ANTICORPS ANTI-TNF-ALPHA**
[72] NAKAGAWA, HIDEMI, JP
[72] MATSUDO, HIROKI, JP
[73] KIRIN-AMGEN, INC., US
[85] 2017-03-28
[86] 2015-08-26 (PCT/JP2015/004306)
[87] (WO2016/031250)
[30] US (62/041,862) 2014-08-26

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[13] C
[51] **Int.Cl. B65G 69/34 (2006.01)**
[25] EN
[54] **VEHICLE RESTRAINT**
[54] **DISPOSITIF DE LIMITATION DE VEHICULE**
[72] KOSEK, STEPHEN, US
[72] STORY, MICHAEL, US
[73] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[86] (2962980)
[87] (2962980)
[22] 2017-04-03
[30] US (62/495,598) 2016-04-04
[30] US (15/466,006) 2017-03-22

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[13] C
[51] **Int.Cl. B25H 3/00 (2006.01) B25H 3/04 (2006.01) F16B 2/20 (2006.01)**
[25] EN
[54] **HOLDER FOR OBJECTS**
[54] **PORTE-OBJETS**
[72] FORSBERG, ERIK, SE
[73] DELEX TEKNIK AB, SE
[85] 2017-04-10
[86] 2015-10-13 (PCT/SE2015/051084)
[87] (WO2016/060606)
[30] SE (1451245-3) 2014-10-17

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[13] C
[51] **Int.Cl. B29C 45/16 (2006.01)**
[25] EN
[54] **CO-INJECTION NOZZLE FOR AN INJECTION MOULDING DEVICE FOR PRODUCING MULTI-LAYERED INJECTION-MOULDED PRODUCTS**
[54] **BUSE DE CO-INJECTION POUR UN DISPOSITIF DE MOULAGE PAR INJECTION SERVANT A FABRIQUER DES PRODUITS MOULES PAR INJECTION MULTICOUCHES**
[72] MUHLEMANN, ROLF, CH
[73] FOSTAG FORMENBAU AG, CH
[85] 2017-04-25
[86] 2015-09-22 (PCT/EP2015/071668)
[87] (WO2016/071036)
[30] CH (01715/14) 2014-11-06

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[13] C
[51] **Int.Cl. F24F 6/14 (2006.01) F24F 3/14 (2006.01) F24F 13/02 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR HUMIDIFYING AIR IN AN AIR DUCT**
[54] **DISPOSITIF HUMIDIFICATEUR D'AIR DANS UN CONDUIT D'AIR**
[72] REISINGER, JOHANN, AT
[73] MERLIN TECHNOLOGY GMBH, AT
[85] 2017-04-26
[86] 2015-10-28 (PCT/AT2015/050270)
[87] (WO2016/065384)
[30] AT (A 50780/2014) 2014-10-29

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[13] C
[51] **Int.Cl. C22C 14/00 (2006.01)**
[25] FR
[54] **TURBOMACHINE PART COMPRISING AN ALLOY BASED ON TITANIUM**
[54] **PIECE DE TURBOMACHINE COMPORTANT UN ALLIAGE A BASE DE TITANE**
[72] PELTIER, BEATRICE, FR
[72] BROZEK, CEDRIK, FR
[72] MILLET, YVON, FR
[72] PRIMA, FREDERIC, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[73] TIMET SAVOIE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] ECOLE NATIONALE SUPERIEURE DE CHIMIE PARIS, FR
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[54] **ANIMAL HALTER**
[54] **LICOL POUR ANIMAL**
[72] LEWSLEY, SUSAN ELAINE, GB
[72] LEWSLEY, ZOE NICHOLE, GB
[73] DOGMATIC (UK) LTD, GB
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[54] **PROCESS FOR METALLIZING PLASTIC PARTS**
[54] **PROCEDE DE METALLISATION DE PIECES PLASTIQUES**
[72] BROUZES, ALEXANDRE, FR
[73] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE
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[25] EN
[54] **MACHINE FOR CUTTING STONE MATERIAL**
[54] **MACHINE POUR COUPER DU MATERIAU EN PIERRE**
[72] TONCELLI, LUCA, IT
[73] TONCELLI, LUCA, IT
[85] 2017-05-02
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[54] **ADORNING ELEMENT AND METHOD FOR MANUFACTURING THE SAME**
[54] **ELEMENT ORNANT ET SON PROCEDE DE FABRICATION**
[72] WILSER, ALEXANDER, DE
[73] ALEXANDER WILSER GMBH, DE
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[54] **SUBMERSIBLE MULTI-PARAMETER SONDE HAVING A HIGH SENSOR FORM FACTOR SENSOR**
[54] **SONDE A PARAMETRES MULTIPLES SUBMERSIBLE AYANT UN CAPTEUR DE FACTEUR DE FORME DE CAPTEUR ELEVE**
[72] SCOTT, ELIJAH LYLE, US
[72] SEWELL, STEVEN COLLIN, US
[72] MCKEE, DUANE B., US
[73] IN-SITU, INC., US
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[30] US (62/077,528) 2014-11-10
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[25] EN
[54] **EPOXY-BASED RESIN COMPOSITION FOR COMPOSITE MATERIALS**
[54] **COMPOSITION DE RESINE A BASE D'EPOXY POUR MATERIAUX COMPOSITES**
[72] BONNEAU, MARK RICHARD, US
[72] BILLAUD, CLAUDE, GB
[73] CYTEC INDUSTRIES INC., US
[85] 2017-05-16
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[54] **PLATING BATH AND METHOD FOR ELECTROLESS DEPOSITION OF NICKEL LAYERS**
[54] **BAIN GALVANOPLASTIQUE ET PROCEDE DE DEPOT AUTOCATALYTIQUE DE COUCHES DE NICKEL**
[72] PICALEK, JAN, DE
[72] BERA, HOLGER, DE
[72] AKHTAR, SHAKEEL, DE
[72] BEJAN, IULIA, DE
[72] PINNAU, JENNIFER, DE
[73] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE
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[25] EN
[54] **SLIP MOLDING APPARATUS FOR LINING PIPES AND METHOD OF USING SAME**
[54] **APPAREIL DE MOULAGE A GLISSEMENT POUR REVETIR DES TUYAUX ET SON PROCEDE D'UTILISATION**
[72] LACARTE, CHRIS, CA
[73] BASF SE, DE
[85] 2017-05-19
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[25] EN
[54] **SURFACE-MODIFIED POLYOLEFIN FIBERS**
[54] **FIBRES DE POLYOLEFINE A SURFACE MODIFIEE**
[72] MAGAROTTO, ROBERTA, IT
[72] MORATTI, FRANCESCA, IT
[72] MORO, SANDRO, IT
[72] COLASUONNO, MARINO, IT
[72] PATELLI, ALESSANDRO, IT
[72] BARRAGAN, BRYAN ERICK, ES
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2017-05-24
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[25] EN
[54] **GAS SPRING FASTENER DRIVER**
[54] **ENTRAINEUR D'AGRAFEUSE A RESSORT ENTRAINE PAR UN GAZ**
[72] SCOTT, ZACHARY, US
[73] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[86] (2969392)
[87] (2969392)
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[30] US (62/347,230) 2016-06-08

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[25] EN
[54] **HOPPER SPREADER WITH BACK EMF CONTROL AND HOPPER SYSTEM SPEED CONTROL**
[54] **EPANDEUSE A TREMIE A COMMANDE DE RETOUR ELECTROMAGNETIQUE ET COMMANDE DE VITESSE DE TREMIE**
[72] GAMBLE, ROBERT N., II, US
[72] WENDORF, TERRY, US
[73] SNO-WAY INTERNATIONAL, INC., US
[86] (2970308)
[87] (2970308)
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[25] EN
[54] **WATER-PERMEABLE GROUND GRID FOR PAVINGS**
[54] **GRILLE DE SOL PERMEABLE A L'EAU POUR PAVEMENTS**
[72] BARTH, ANDREE, DE
[72] MANZEI, JURGEN, DE
[73] PURUS PLASTICS GMBH, DE
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[86] 2015-09-22 (PCT/DE2015/100398)
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[25] EN
[54] **METHODS FOR TREATING DISSEMINATED INTRAVASCULAR COAGULATION BY INHIBITING MASP-2 DEPENDENT COMPLEMENT ACTIVATION**
[54] **METHODES POUR TRAITER LA COAGULATION INTRAVASCULAIRE DISSEMINEE PAR INHIBITION DE L'ACTIVATION DU COMPLEMENT DEPENDANTE DE MASP-2**
[72] SCHWAEBLE, HANS-WILHELM, GB
[72] DUDLER, THOMAS A., US
[72] TEDFORD, CLARK E., US
[72] PARENT, JAMES B., US
[72] DEMOPULOS, GREGORY A., US
[73] OMEROS CORPORATION, US
[73] UNIVERSITY OF LEICESTER, GB
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[54] **ACOUSTICALLY ENHANCED OPTICAL CABLES**
[54] **CABLES OPTIQUES ACOUSTIQUEMENT AMELIORES**
[72] VINCELETTE, ANDRE R., CA
[72] BALDWIN, CHRISTOPHER S., US
[72] LEFEBVRE, PAUL, CA
[72] LI, HONGBO, US
[72] TAVERNER, DOMINO, US
[72] DUNPHY, JAMES R., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2017-06-28
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[25] EN
[54] **ALUMINA AND CARBONATE PRODUCTION METHOD FROM AL-RICH MATERIALS WITH INTEGRATED CO2 UTILIZATION**
[54] **PROCEDE DE PRODUCTION D'ALUMINE ET DE CARBONATE A PARTIR DE MATIERES RICHES EN AL AVEC UTILISATION INTEGREE DE CO2**
[72] ARANDA, ASUNCION, NO
[72] MASTIN, JOHANN, NO
[73] NORDIC MINING ASA, NO
[73] INSTITUTT FOR ENERGITEKNIKK, NO
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[54] **PROGRAMMABLE STATION AND PLANT FOR THE PRODUCTION OF PLATES WITH CHROMATIC EFFECTS**
[54] **POSTE ET USINE PROGRAMMABLES POUR LA PRODUCTION DE PLAQUES AYANT DES EFFETS CHROMATIQUES**
[72] TONCELLI, LUCA, IT
[73] TONCELLI, LUCA, IT
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[54] **THREAD PROTECTOR**
[54] **PROTECTEUR DE FILET**
[72] LUDWIG, DARCY, CA
[73] LUDWIG, DARCY, CA
[86] (2974057)
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[54] **NAVIGATIONAL FEEDBACK FOR INTRAOPERATIVE WAYPOINT**
[54] **RETROACTION DE NAVIGATION POUR POINT DE CHEMINEMENT PEROPERATOIRE**
[72] JAGGA, VICTOR, CA
[73] SYNAPTIVE MEDICAL INC., CA
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[54] **ENDLESS TRACK ASSEMBLY FOR SUPPORTING AN IMPLEMENT OR VEHICLE**
[54] **MECANISME DE COURROIE SANS FIL DESTINE A SUPPORTER UN ACCESSOIRE OU UN VEHICULE**
[72] KAHLIG, SEAN M., US
[73] J. & M. MANUFACTURING CO., INC., US
[86] (2978421)
[87] (2978421)
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[54] **METHODS AND COMPOSITIONS FOR THE REMOVAL OF MERCURY FROM GASES**
[54] **PROCEDES ET COMPOSITIONS POUR L'ELIMINATION DU MERCURE DANS DES GAZ**
[72] CORCORAN, ROBERT C., US
[72] KRUTKRAMELIS, KASPARS, US
[72] MONTERROSO, RODOLFO A., US
[73] UNIVERSITY OF WYOMING, US
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[54] **CATALYST PREPARATION UNIT FOR USE IN PROCESSING OF HEAVY HYDROCARBONS**
[54] **UNITE DE PREPARATION DE CATALYSEUR, DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'HYDROCARBURES LOURDS**
[72] PEREIRA ALMAO, PEDRO, CA
[72] PEREIRA COTA, AMELI SOFIA, CA
[72] COY PLAZAS, ALEJANDRO, CA
[72] SCOTT, CARLOS EDUARDO, CA
[73] PC-CUPS LTD., CA
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[54] **SYSTEME DE SUIVI**
[72] CARON, FRANCOIS, CA
[73] CAE HEALTHCARE CANADA INC., CA
[85] 2017-09-29
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[54] **DECELERATING DEVICE FOR AIR CONVEYED MATERIAL**
[54] **MECANISME DE DECELERATION DESTINE A UN MATERIAU TRANSPORTE PAR UN DISPOSITIF PNEUMATIQUE**
[72] CRUSON, BRIAN, CA
[73] TREAD ENTERPRISES LTD., CA
[86] (2982462)
[87] (2982462)
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[25] EN
[54] **A METHOD FOR CURING A RMA CROSSLINKABLE RESIN COATING, RMA CROSSLINKABLE COMPOSITIONS AND RESINS FOR USE THEREIN**
[54] **PROCEDE POUR DURCIR UN REVETEMENT EN RESINE RETICULABLE VIA RMA, COMPOSITIONS RETICULABLES VIA RMA ET RESINES DESTINEES A ETRE MISES EN OEUVRE DANS LEDIT PROCEDE**
[72] GESSNER, MICHAEL ANTHONY, US
[72] MESTACH, DIRK EMIEL PAULA, BE
[72] SUBRAMANIAN, RAMESH, US
[72] DEGOOYER, WILLIAM JAY, US
[72] NANDA, AJAYA, US
[72] MCCRACKEN, ERIC MATTHEW, US
[73] ALLNEX NETHERLANDS B.V., NL
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[30] US (62/148,981) 2015-04-17
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[54] **APPARATUS AND METHODS FOR COUNTERBALANCING A PUMPING UNIT**
[54] **APPAREIL ET METHODES D'EQUILIBRAGE D'UN MODULE DE POMPAGE**
[72] ROBISON, CLARK E., US
[72] LEMBCKE, JEFFREY JOHN, US
[72] MOFFETT, ROSS E., US
[72] PAULET, BRYAN A., US
[72] BRIGGS, PHILLIP ANDREW, US
[72] PICKENS, BRENT WESLEY, US
[72] THOMAS, BENSON, US
[72] MCDONALD, ROBERT, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2984741)
[87] (2984741)
[22] 2017-11-06
[30] US (15/345,288) 2016-11-07

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[25] FR
[54] **METHOD FOR MANUFACTURING A LIGHT-ALLOY HYBRID WHEEL INCLUDING A FRONT FLANGE AND A RIM**
[54] **PROCEDE DE FABRICATION D'UNE ROUE HYBRIDE EN ALLIAGE LEGER, COMPRENANT UN FLASQUE AVANT ET UNE JANTE**
[72] DI SERIO, EMILE THOMAS, FR
[72] DUPERRAY, LIONEL, FR
[73] SAINT JEAN INDUSTRIES, FR
[85] 2017-06-16
[86] 2015-12-17 (PCT/FR2015/053590)
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[25] EN
[54] **TRAINING TIGHT WITH PRECONFIGURED COMPRESSION ZONES AND INTEGRATED STRUCTURE PATTERNS**
[54] **COLLANTS D'ENTRAINEMENT COMPORTANT DES ZONES DE COMPRESSION CONCUES AU PREALABLE ET DES MOTIFS DE STRUCTURE INTEGRES**
[72] KEHLER, ALYSE, US
[72] MAHESHWARI, RICHA, US
[72] RANALLI, CHRIS, US
[72] STAUB, ANDREA J., US
[72] VAUGHAN, HEIDI, US
[73] NIKE INNOVATE C.V., US
[85] 2017-11-20
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[25] EN
[54] **MANHOLE BASE LINER AND METHOD FOR MANUFACTURING A MANHOLE BASE LINER**
[54] **REVETEMENT DE BASE DE TROU D'HOMME ET METHODE DE FABRICATION D'UN REVETEMENT DE BASE DE TROU D'HOMME**
[72] PREDL, MANFRED, DE
[73] PREDL GMBH, DE
[86] (2987727)
[87] (2987727)
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[30] AT (A 50257/2017) 2017-03-31

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[25] EN
[54] **CANCER NEOEPITOPES**
[54] **NEO-EPITOPES DE CANCER**
[72] NGUYEN, ANDREW, US
[72] NIAZI, KAYVAN, US
[72] SOON-SHIONG, PATRICK, US
[72] RABIZADEH, SHAHROOZ, US
[72] BENZ, STEPHEN CHARLES, US
[73] NANTOMICS, LLC, US
[73] NANT HOLDINGS IP, LLC, US
[85] 2017-12-05
[86] 2016-04-25 (PCT/US2016/029244)
[87] (WO2016/172722)
[30] US (62/178,956) 2015-04-23
[30] US (62/159,145) 2015-05-08

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[25] EN
[54] **AN ANTIBODY OR A FRAGMENT SPECIFICALLY BINDING TO PEPTIDE DERIVED FROM VIMENTIN**
[54] **UN ANTICORPS OU UN FRAGMENT SE LIANT SPECIFIQUEMENT A UN PEPTIDE DERIVE DE VIMENTIN**
[72] KIM, YOON WON, KR
[72] KIM, YOUNG JIN, KR
[72] HONG, HYO JEONG, KR
[72] PARK, SANG JIN, KR
[72] KIM, MIN WOO, KR
[72] PARK, SUNG MAN, KR
[73] IMMUNEMED INC., KR
[85] 2017-12-07
[86] 2016-06-10 (PCT/KR2016/006215)
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[30] KR (10-2015-0082132) 2015-06-10
[30] KR (PCT/KR2015/005917) 2015-06-12

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING COGNITIVE IMPAIRMENT OR DECLINE COMPRISING TISSUE INHIBITOR OF METTALOPROTEINASE-2 (TIMP-2)**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UN TROUBLE COGNITIF OU D'UN DECLIN COGNITIF COMPRENANT UN INHIBITEUR TISSULAIRE DE LA METALLOPROTEINASE-2 (TIMP-2)**
[72] WYSS-CORAY, ANTON, US
[72] CASTELLANO, JOSEPH M., US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[73] U.S. GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
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[30] US (62/175,981) 2015-06-15

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[25] EN
[54] **REACTOR COOLANT PUMP SET**
[54] **SYSTEME DE POMPE DE CIRCULATION CENTRAL**
[72] GERASIMOV, VLADIMIR SERGEEVICH, RU
[72] GORONKOV, ANDREY VLADIMIROVICH, RU
[72] VASIL'EV, ALEKSANDR SERGEEVICH, RU
[72] KAZANTSEV, RODION PETROVICH, RU
[72] SHCHUTSKIY, SERGEY YUR'EVICH, RU
[73] JOINT STOCK COMPANY "CENTRAL DESIGN BUREAU OF MACHINE BUILDING", RU
[73] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC), RU
[85] 2017-12-29
[86] 2016-06-20 (PCT/RU2016/000372)
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[30] RU (2016100508) 2016-01-11

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[54] **A COATING ADDITIVE**
[54] **ADDITIF DE REVETEMENT**
[72] FAN, LIQIANG, CN
[72] WANG, RUI, CN
[72] XU, JIANMING, CN
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
[85] 2018-01-15
[86] 2015-07-20 (PCT/CN2015/084426)
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[25] EN
[54] **AGGREGATE LOAD CONTROLLERS AND ASSOCIATED METHODS**
[54] **ORGANES DE COMMANDE DE CHARGE AGREGEE ET PROCEDES ASSOCIES**
[72] CHASSIN, DAVID P., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2018-01-22
[86] 2015-07-24 (PCT/US2015/042117)
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[54] **MERCHANDISER AND METHODS RELATING TO SAME**
[54] **PRESENTOIR ET PROCEDES ASSOCIES A CELUI-CI**
[72] TURNER, CHRISTOPHER J., US
[72] FLUEGGE, CRAIG A., US
[73] RETAIL SPACE SOLUTIONS LLC, US
[85] 2018-01-23
[86] 2016-07-21 (PCT/US2016/043354)
[87] (WO2017/015466)
[30] US (62/195,847) 2015-07-23
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[25] EN
[54] **URINARY CATHETER CONNECTOR**
[54] **RACCORD DE CATHETER URINAIRE**
[72] BINNENDYK, HARRY, CA
[73] 2479944 ONTARIO LTD., CA
[86] (2995524)
[87] (2995524)
[22] 2018-02-16
[30] US (62/459,775) 2017-02-16

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[51] **Int.Cl. F25B 47/02 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **REVERSE DEFROST SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDE DE DEGIVRAGE PAR INVERSION**
[72] XU, YONGHUI, US
[72] CRANE, JACOB AARON, US
[73] KEEPRITE REFRIGERATION, INC., US
[86] (2995779)
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[54] **ENTRAINED AIR DEFLECTOR FOR A HYDROSTATIC TRANSMISSION**
[54] **DEFLECTEUR D'AIR ENTRAINE DESTINE A UNE TRANSMISSION HYDROSTATIQUE**
[72] LEE, JUSTIN WILLIAM, US
[72] MLCOCH, ERIC PHILIP, US
[72] WHITEHEAD, ROBERT CLIFTON, US
[72] SHAN, STEPHEN HANG, US
[72] HUNTLEY, RICHARD BRENDON, US
[73] HONDA MOTOR CO., LTD., JP
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[87] (2998024)
[22] 2018-03-13
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[54] **MINI-SEVERING AND BACK-OFF TOOL WITH PRESSURE BALANCED EXPLOSIVES**
[54] **MINI-SEPARATION ET OUTIL DE DEGAGEMENT AVEC DES EXPLOSIFS A PRESSION EQUILIBREE**
[72] BELL, WILLIAM T., US
[72] RAIRIGH, JAMES G., US
[73] W.T. BELL INTERNATIONAL, INC., US
[85] 2018-03-15
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[25] EN
[54] **SAFETY BLOOD COLLECTION ASSEMBLY WITH INDICATOR**
[54] **ASSEMBLAGE SECURISE DE COLLECTE DE SANG AVEC INDICATEUR**
[72] CRAWFORD, JAMIESON, US
[72] ELLIS, ROBERT, US
[72] WILKINSON, BRADLEY M., US
[72] BARTFIELD, BENJAMIN, US
[72] NEWBY, C. MARK, US
[72] TAN, CHEE LEONG ALVIN, SG
[72] MOH, JON, SG
[72] SIM, STANLEY, SG
[72] CHIA, NEVILLE, SG
[73] BECTON, DICKINSON AND COMPANY, US
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[25] EN
[54] **COMBINED MULTI-COUPLER WITH LOCKING CLAMP CONNECTION FOR TOP DRIVE**
[54] **MULTI RACCORD COMBINE COMPORTANT UN RACCORD DE PINCE DE VERROUILLAGE DESTINE A UN ENTRAINEMENT SUPERIEUR**
[72] WIENS, JIMMY DUANE, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3007133)
[87] (3007133)
[22] 2018-06-04
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[54] **A FLOW CONTROL DEVICE**
[54] **DISPOSITIF DE CONTROLE DE DEBIT**
[72] GIROUX, RICHARD L., US
[72] SEPULVEDA, MICHAEL J., US
[72] SYMMS, JOSHUA VERNON, US
[72] JACOB, JOBBY T., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **CHEMICALS AND FUEL BLENDSTOCKS BY A CATALYTIC FAST PYROLYSIS PROCESS**
[54] **PRODUITS CHIMIQUES ET MELANGES DE CARBURANTS OBTENUS PAR UN PROCESSUS DE PYROLYSE CATALYTIQUE RAPIDE**
[72] SORENSEN, CHARLES, US
[73] ANELLOTECH, INC., US
[85] 2018-06-27
[86] 2017-01-23 (PCT/US2017/014582)
[87] (WO2017/136177)
[30] US (62/291,615) 2016-02-05

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[25] EN
[54] **A POSITRON-EMITTING 18-F LABELLED FACTOR VIIA (FVIIA) IMAGING AGENT AND METHOD OF USE THEREOF**
[54] **AGENT D'IMAGERIE DE FACTEUR VIIA ETIQUETE 18-F EMETTANT UN POSITRON ET METHODE D'UTILISATION**
[72] KJAER, ANDREAS, DK
[72] HAAGEN NIELSEN, CARSTEN, DK
[73] RIGSHOSPITALET, DK
[85] 2018-07-03
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[54] **DEVICES AND METHODS TO CAPTURE MOISTURE FROM A STRUCTURAL MEMBER**
[54] **DISPOSITIFS ET METHODES DE CAPTURE DE L'HUMIDITE D'UN ELEMENT STRUCTUREL**
[72] HITCHCOCK, CORY MICHAEL, US
[72] BROCKETT, ADAM JOSEPH, US
[72] DAVIS, KENNETH GEORGE, US
[73] THE BOEING COMPANY, US
[86] (3014445)
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[25] EN
[54] **WATERLESS URINAL AND METHOD THEREFOR**
[54] **URINOIR SANS EAU ET METHODE ASSOCIEE**
[72] MCINTOSH, DARREN C., US
[73] THE BOEING COMPANY, US
[86] (3015180)
[87] (3015180)
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[54] **SYSTEMS AND METHODS FOR DISTRIBUTED IDENTITY VERIFICATION**
[54] **SYSTEMES ET PROCEDES DE VERIFICATION D'IDENTITE DISTRIBUEE**
[72] RONDA, TROY JACOB, CA
[72] ROBERGE, PIERRE ANTOINE, CA
[72] BARINOV, DMITRY, CA
[72] VARLEY, MICHAEL, CA
[72] STARK, DAVID ALEXANDER, CA
[72] WOLFOND, GREGORY HOWARD, CA
[72] LIKIC, ALEKSANDAR, CA
[72] PAGE, MICHAEL JOHN, CA
[73] SECUREKEY TECHNOLOGIES INC., CA
[85] 2018-08-24
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[87] (WO2017/147696)
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[54] **DETECTION OF BETA-HEMOLYTIC PATHOGENS**
[54] **DETECTION DE PATHOGENES BETA-HEMOLYTIQUES**
[72] SUM, RONGJI, SG
[72] SWAMINATHAN, MUTHUKARUPPAN, SG
[72] CHEONG, IAN, SG
[73] TEMASEK LIFE SCIENCES LABORATORY LIMITED, SG
[85] 2018-08-24
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[54] **INTER-CELL FRACTIONAL FREQUENCY REUSE SCHEDULER**
[54] **DISPOSITIF DE PLANIFICATION DE REUTILISATION DE FREQUENCE FRACTIONNAIRE INTER-CELLULE**
[72] RAO, PRASHANTH, US
[72] TALLURI, MURALI, US
[72] PUVVADI, PRAVEEN, US
[72] CHUGH, MOHIT, US
[72] AGARWAL, KAITKI, US
[72] KUMAR, ANOOP, US
[72] ANJUM, SYED, US
[72] PANDEY, SANTOSH, US
[72] QURESHI, SHARIQUE, US
[73] PARALLEL WIRELESS, INC., US
[85] 2018-08-27
[86] 2017-01-13 (PCT/US2017/013577)
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[30] US (62/278,319) 2016-01-13
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[54] **A MODULAR, MOVABLE, VERSATILE, VERTICAL GREENHOUSE**
[54] **UNE SERRE VERTICALE, POLYVALENTE, MOBILE ET MODULAIRE**
[72] LOPEZ, JUAN RAMON, CA
[73] LOPEZ, JUAN RAMON, CA
[86] (3018009)
[87] (3018009)
[22] 2018-09-20
[30] GB (1715204.2) 2017-09-17

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[25] EN
[54] **ANTI-CONDENSING CONTROL PANEL WITH INTEGRAL OVERCURRENT PROTECTION DEVICES**
[54] **PANNEAU DE CONTROLE ANTI-CONDENSATION EQUIPE DE DISPOSITIFS DE PROTECTION DE SURCHARGE DE COURANT INTEGRES**
[72] WILLIAMSON, DONALD E., US
[73] HILL PHOENIX, INC., US
[86] (3019722)
[87] (3019722)
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[30] US (62/487,618) 2017-10-19

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[25] EN
[54] **WIRELESS ELECTRIC POWER TRANSMISSION APPARATUS AND ELECTRIC POWER TRANSFER SYSTEM**
[54] **DISPOSITIF DE TRANSMISSION D'ENERGIE SANS FIL ET SYSTEME DE TRANSMISSION D'ENERGIE**
[72] FUKUMOTO, MASAHARU, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2018-10-03
[86] 2017-04-06 (PCT/JP2017/014322)
[87] (WO2017/175822)
[30] JP (2016-077969) 2016-04-08

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[25] EN
[54] **WIRELESS CREDENTIAL PROXIMITY CONTROL**
[54] **COMMANDE DE PROXIMITE DE JUSTIFICATIF D'IDENTITE SANS FIL**
[72] EARLES, JEREMY, US
[72] BAUMGARTE, JOSEPH W., US
[72] EBERWINE, TODD, US
[72] SHERMAN, BRIAN, US
[72] KINCAID, RYAN C., US
[72] NEAFSEY, JEFFREY S., US
[72] HOGAN, MICHAEL P., US
[72] COMERFORD, TIMOTHY N., US
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2018-10-16
[86] 2017-04-17 (PCT/US2017/027911)
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[30] US (62/323,127) 2016-04-15

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[25] EN
[54] **EPIDURAL NEEDLE ASSEMBLY**
[54] **ASSEMBLAGE D'AIGUILLE DE PERIDURALE**
[72] MISLE, GAYLE, US
[73] MISLE, GAYLE, US
[85] 2018-10-18
[86] 2017-02-17 (PCT/US2017/018341)
[87] (WO2017/184243)
[30] US (15/133,660) 2016-04-20
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[25] EN
[54] **ORGANIC AMINE SALT COMPOUNDS HAVING CO2-DONATING ANIONS AND THEIR USE AS FOAMING AGENT**
[54] **COMPOSE ORGANIQUE DE SEL D'AMINE PRESENTANT DES ANIONS SERVANT DE DONNEURS DE CO2 ET APPLICATION DE CELUI-CI COMME AGENT MOUSSANT**
[72] BI, GEHUA, CN
[72] BI, YUSUI, CN
[73] SHANDONG UNIVERSITY OF TECHNOLOGY, CN
[85] 2018-11-14
[86] 2017-05-11 (PCT/CN2017/083949)
[87] (WO2017/206693)
[30] CN (201610392162.3) 2016-06-02

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[54] **SPECIMEN COLLECTION CONTAINER HAVING A FLUID SEPARATION CHAMBER**
[54] **RECIPIENT DE COLLECTE DE SPECIMEN AYANT UNE CHAMBRE DE SEPARATION DE FLUIDE**
[72] ALLA, JEAN-BERNARD, FR
[72] ELLIS, ROBERT, US
[72] GELFAND, CRAIG A., US
[72] LEE, KENNETH LOUIS, US
[72] MOSKOWITZ, KEITH A., US
[72] WASEK, RAYMOND, US
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY, US
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[22] 2013-01-30
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[25] EN
[54] **A METHOD AND AN APPARATUS FOR AN ENZYMATIC HYDROLYSIS, A LIQUID FRACTION AND A SOLID FRACTION**
[54] **PROCEDE ET APPAREIL DESTINES A UNE HYDROLYSE ENZYMATIQUE, FRACTION LIQUIDE ET FRACTION SOLIDE**
[72] TAMPER, JUHA, FI
[72] TURUNEN, SAMI, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2018-11-23
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[25] EN
[54] **COLD ROLLED AND ANNEALED STEEL SHEET, METHOD OF PRODUCTION THEREOF AND USE OF SUCH STEEL TO PRODUCE VEHICLE PARTS**
[54] **TOLE D'ACIER LAMINEE A FROID ET RECUITE, SON PROCEDE DE PRODUCTION ET UTILISATION D'UN TEL ACIER POUR PRODUIRE DES PIECES DE VEHICULE**
[72] SOLER, MICHEL, FR
[72] GARAT, XAVIER, FR
[73] ARCELORMITTAL, LU
[85] 2018-11-23
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[30] IB (PCT/IB2016/000697) 2016-05-24

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[25] EN
[54] **TRANSPORTABLE AND STACKABLE SERVER RACKS**
[54] **BATIS DE SERVEUR TRANSPORTABLES ET EMPILABLES**
[72] KLABA, MIROSLAW, FR
[72] KLABA, HENRI, FR
[73] OVH, FR
[85] 2018-11-27
[86] 2017-05-29 (PCT/EP2017/062916)
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[25] EN
[54] **MULTILAYER PRINTED CIRCUIT BOARD FOR REDUCING QUANTUM SIGNAL CROSSTALK**
[54] **CARTE DE CIRCUIT IMPRIME MULTICOUCHE POUR REDUIRE LA DIAPHONIE DE SIGNAL QUANTIQUE**
[72] LUCERO, ERIK ANTHONY, US
[73] GOOGLE LLC, US
[85] 2019-03-11
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[25] EN
[54] **FLOW-BASED ENERGY MANAGEMENT**
[54] **GESTION D'ENERGIE FONDEE SUR LE FLUX**
[72] MAYER, TODD C., US
[72] ZELLER, AUSTIN P., US
[72] VETTER, JOSHUA P., US
[72] STEFFES, THOMAS P., US
[72] STEFFES, PAUL J., US
[73] STEFFES CORPORATION, US
[86] (3037161)
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[54] **PIERCE AT FIRST USE DISPENSING TAP FOR FLEXIBLE BAG WITH FILLING GLAND AND BAG INCLUDING THE SAME**
[54] **ROBINET DE DISTRIBUTION A PERCAGE A LA PREMIERE UTILISATION POUR POCHE SOUPLE AVEC PRESSE-ETOUPE DE REMPLISSAGE ET POCHE COMPRENANT CELUI-CI**
[72] STEVER, RAYMOND ANDREW, US
[72] BEER, JEFFREY SCOTT, US
[73] FRES-CO SYSTEM USA, INC., US
[85] 2019-04-10
[86] 2017-09-20 (PCT/US2017/052443)
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[30] US (62/410,539) 2016-10-20
[30] US (15/707,235) 2017-09-18

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[54] **REMOVABLE WELDING WIRE SPOOL ARRANGEMENT FOR WELDING APPLICATIONS**
[54] **ARRANGEMENT DE BOBINE DE FIL DE SOUDAGE AMOVIBLE DESTINE AUX APPLICATIONS DE SOUDAGE**
[72] ELCIC, GORAN, SE
[72] DEKKER, JEROEN, SE
[73] ESAB AB, SE
[86] (3042540)
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[54] **METHODS FOR TREATMENT OF CANCER COMPRISING TIGIT-BINDING AGENTS**
[54] **METHODES DE TRAITEMENT DU CANCER COMPRENANT DES AGENTS DE LIAISON A TIGIT**
[72] DUPONT, JAKOB, US
[72] PARMAR, HEMA, US
[73] ONCOMED PHARMACEUTICALS, INC., US
[85] 2019-05-22
[86] 2017-11-30 (PCT/US2017/063918)
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[25] EN
[54] **NOVEL CORROSION INHIBITION PACKAGE**
[54] **NOUVEAU PACK ANTICORROSION**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[73] FLUID ENERGY GROUP LTD., CA
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[54] **FLEXIBLE PACKAGES WITH CLOG RESISTANT DEGASSING VALVE AND METHODS OF MAKING THE SAME**
[54] **EMBALLAGES SOUPLES DOTES D'UNE VALVE DE DEGAZAGE RESISTANT A L'OBSTRUCTION ET PROCEDES DE FABRICATION DESDITS EMBALLAGES SOUPLES**
[72] WIGMAN, DANIEL, US
[72] BLOSE, TRAVIS, US
[72] LONG, RONALD KARL, US
[72] MUNIZ, SERGIO, US
[73] FRES-CO SYSTEM USA, INC., US
[85] 2019-05-27
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[87] (WO2018/106631)
[30] US (62/432,135) 2016-12-09
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[25] EN
[54] **METHODS AND APPARATUS FOR PERFUSION AND ENVIRONMENTAL CONTROL OF MICROPLATE LABWARE**
[54] **METHODES ET APPAREIL DE PERFUSION ET COMMANDE ENVIRONNEMENTALE DE MICROPLAQUES DE LABORATOIRE**
[72] SCHROEDER, KIRK S., US
[72] NEAGLE, BRADLEY D., US
[72] ENDSLEY, ERIC, US
[72] APPLEDORN, DANIEL, US
[72] MORTON, KEITH, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[73] SARTORIUS BIOANALYTICAL INSTRUMENTS, INC., US
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[25] EN
[54] **AGE-RESISTANT ASPHALT COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS D'ASPHALTE RESISTANTES AU VIEILLISSEMENT ET PROCEDES**
[72] BLACKLIDGE, ROY BRITTANY, US
[72] ALLEN, R. GROVER, US
[72] CUEVAS, HENRY, US
[73] BLACKLIDGE EMULSIONS INC., US
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[54] **REVERSE-BEACON INDOOR POSITIONING SYSTEM USING EXISTING DETECTION FIELDS**
[54] **SYSTEME DE POSITIONNEMENT INTERIEUR DE BALISE INVERSE UTILISANT DES CHAMPS DE DETECTION EXISTANTS**
[72] WOOTTON, MATTHEW, US
[72] LYE, LIANI, US
[72] ZHANG, KEVIN, US
[72] DISELDORFF, BORIS, US
[72] WOOTTON, JOHN, US
[73] IVANI, LLC, US
[85] 2019-06-19
[86] 2017-12-21 (PCT/US2017/067972)
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[30] US (15/600,380) 2017-05-19

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[25] EN
[54] **A PLANTAR PLATE REPAIR DEVICE**
[54] **DISPOSITIF DE REPARATION DE LA PLAQUE PLANTAIRE**
[72] TERBLANCHE, IGNATIUS PETRUS STEFANUS, ZA
[72] MARAIS, JACQUES, ZA
[72] JANSE VAN VUUREN, JACOBUS FREDERICK, ZA
[72] JANSE VAN VUUREN, STEPHAN, ZA
[73] TRIMED, INCORPORATED, US
[85] 2019-06-21
[86] 2017-12-18 (PCT/IB2017/058036)
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[30] ZA (2016/08790) 2016-12-21

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[54] **DEVICE AND METHOD FOR A SAFE POSITIONING OF A CORONARY STENT WITHIN CORONARY ARTERIES**
[54] **DISPOSITIF ET PROCEDE DE POSITIONNEMENT PRECIS SANS DANGER D'UN STENT CORONAIRE DANS DES ARTERES CORONAIRES**
[72] SARANIN, SERGEI ALEXANDROVICH, RU
[72] KOBAK, ANTON ALEXANDROVICH, RU
[73] SEVEN SONS LTD. R.N. 515985570 (THE "COMPANY"), IL
[85] 2019-06-28
[86] 2017-04-14 (PCT/RU2017/000234)
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[25] EN
[54] **PERFORATING GUN FOR OIL AND GAS WELLS**
[54] **PERFORATEUR POUR PUITS DE PETROLE ET DE GAZ**
[72] DALY, KERRY G., US
[72] FORDYCE, RONALD S., GB
[73] EXPRO NORTH SEA LIMITED, GB
[85] 2019-07-10
[86] 2018-01-18 (PCT/GB2018/050146)
[87] (WO2018/134599)
[30] US (15/411,230) 2017-01-20

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[25] EN
[54] **ULTRASOUND SYSTEM FOR SHEARING CELLULAR MATERIAL IN A MICROPLATE**
[54] **SYSTEME A ULTRASONS PERMETTANT DE CISAILLER UN MATERIAU CELLULAIRE DANS UNE MICROPLAQUE**
[72] MATULA, THOMAS J., US
[72] MACCONAGHY, BRIAN E., US
[72] DARLINGTON, GREG P., US
[72] BOMSZTYK, KAROL, US
[72] MAXWELL, ADAM D., US
[73] MATCHSTICK TECHNOLOGIES, INC., US
[85] 2019-07-17
[86] 2018-01-18 (PCT/US2018/014288)
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[25] EN
[54] **AGRICULTURAL DETECTION DEVICE AND A DETECTION METHOD FOR SENSING AGRICULTURAL OBJECTS**
[54] **DISPOSITIF DE DETECTION DES OBJETS AGRICOLES ET PROCEDE DE DETECTION PERMETTANT DE DETECTER LA PRESENCE D`OBJETS AGRICOLES**
[72] SEITZ, PHILIPP, DE
[72] LUBER, ERNST, DE
[73] PEPPERL+FUCHS AG, DE
[86] (3051156)
[87] (3051156)
[22] 2019-08-02
[30] DE (10 2018 006 128.1) 2018-08-03

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[51] **Int.Cl. E06B 1/70 (2006.01)**
[25] EN
[54] **DOOR SILL SYSTEM, APPARATUS AND METHODS FOR DOOR ASSEMBLY**
[54] **SYSTEME DE SEUIL DE PORTE, APPAREIL ET METHODES POUR BLOC-PORTE**
[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOMASZ, US
[73] ENDURA PRODUCTS, LLC, US
[86] (3054706)
[87] (3054706)
[22] 2019-09-09
[30] US (62/729,725) 2018-09-11
[30] US (16/562,563) 2019-09-06

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[25] EN
[54] **A GROUND SURFACE MARKER AND METHOD FOR SURFACE MARKING**
[54] **MARQUEUR DE SURFACE DU SOL ET METHODE DE MARQUAGE DE SURFACE**
[72] ROSS, GRAHAM ALLAN, NZ
[72] LYNCH, JASON, NZ
[73] ROSS, GRAHAM ALLAN, NZ
[73] LYNCH, JASON, NZ
[86] (3058073)
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[25] EN
[54] **HYDROPHILIC COLORED CELLULOSE MICROPARTICLES**
[54] **MICROPARTICULES HYDROPHILES DE CELLULOSE POUVANT SE COLORER**
[72] SHIOMI, YOSHIYUKI, JP
[72] HORII, ATSUSHI, JP
[72] MATSUSE, TAKESHI, JP
[72] MURAOKA, KEN, JP
[73] ASAHI KASEI KABUSHIKI KAISHA, JP
[85] 2019-10-02
[86] 2018-03-28 (PCT/JP2018/012938)
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[25] EN
[54] **BLADDER INSTILLATION COMPOSITION CONTAINING CHONDROITIN SULFATE (20 MG/ML), HYALURONIC ACID (16 MG/ML), AND A PHOSPHATE BUFFER (PH 6.1 TO 7.9) WITH INCREASED STORAGE STABILITY FOR TREATING CYSTITIS**
[54] **COMPOSITION POUR INSTILLATION VESICALE CONTENANT DU SULFATE DE CHONDROITINE (20 MG/ML), DE L'ACIDE HYALURONIQUE (16 MG/ML) ET UN TAMPON PHOSPHATE (PH 6,1 A 7,9) ET A STABILITE AU STOCKAGE ACCRUE, DESTINEE AU TRAITEMENT DE LA CYSTITE**
[72] MEIER, ANDREAS, DE
[73] FARCO-PHARMA GMBH, DE
[85] 2019-10-23
[86] 2018-05-02 (PCT/EP2018/061147)
[87] (WO2018/206357)
[30] EP (17000820.5) 2017-05-12
[30] EP (17173817.2) 2017-05-31

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[25] EN
[54] **LIQUID SMOKE REACTION PRODUCTS**
[54] **PRODUITS DE REACTION DE FUMEE LIQUIDE**
[72] TORAASON, JOSEPH, US
[72] LANDAY, RICHARD, US
[73] KERRY GROUP SERVICES INTERNATIONAL LIMITED, IE
[85] 2019-10-24
[86] 2018-04-27 (PCT/EP2018/060973)
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[51] **Int.Cl. G01N 37/00 (2006.01) G16H 40/40 (2018.01) G01N 35/00 (2006.01)**
[25] EN
[54] **LABORATORY DEVICE MONITORING**
[54] **SURVEILLANCE DES DISPOSITIFS DE LABORATOIRE**
[72] COHEN, ARON, IL
[72] RUSSAK, ZE'EV, IL
[73] AZURE VAULT LTD., IL
[85] 2019-11-22
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[25] EN
[54] **METHODS OF TESTING A MONUMENT THAT IS TO BE ATTACHED TO A FLOOR OF AN AIRCRAFT**
[54] **METHODES DE CONTROLE DU BATI DEVANT ETRE FIXE AU PLANCHER D`UN AERONEF**
[72] SMIRNOV, ALEXEY N., US
[73] THE BOEING COMPANY, US
[86] (3063867)
[87] (3063867)
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[51] **Int.Cl. G06F 40/279 (2020.01) G10L 15/26 (2006.01)**
[25] EN
[54] **EXTRACTING DOMAIN-SPECIFIC ACTIONS AND ENTITIES IN NATURAL LANGUAGE COMMANDS**
[54] **EXTRACTION D'ACTIONS ET D'ENTITES SPECIFIQUES A UN DOMAINE DANS DES COMMANDES EN LANGAGE NATUREL**
[72] KAKIRWAR, PRATEEK, US
[72] THEKKUMPAT, AVINASH, US
[72] CHEN, JEFFREY, US
[73] INTUIT INC., US
[85] 2019-11-29
[86] 2017-08-21 (PCT/US2017/047746)
[87] (WO2019/027484)
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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **CHARGE-TAGGED NUCLEOTIDES AND METHODS OF USE THEREOF**
[54] **NUCLEOTIDES MARQUES PAR UNE CHARGE ET LEURS PROCEDES D'UTILISATION**
[72] MANDELL, JEFFREY, US
[72] GRAVINA, SILVIA, US
[72] PEISAJOVICH, SERGIO, US
[72] PUGLIESE, KAITLIN, US
[72] TEO, YIN NAH, SG
[72] YANG, XIANGYUAN, SG
[72] BACIGALUPO, MARIA CANDELARIA ROGERT, US
[73] ILLUMINA, INC., US
[73] ILLUMINA SINGAPORE PTE. LTD., SG
[85] 2019-12-13
[86] 2019-02-19 (PCT/US2019/018565)
[87] (WO2019/161381)
[30] US (62/710,327) 2018-02-16
[30] US (62/710,333) 2018-02-16
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[25] EN
[54] **ELECTRONIC TWIST FLARE**
[54] **FUSEE ELECTRONIQUE A TORSION**
[72] POIRIER, JEAN MARC, CA
[72] MILLER, GEOFFREY JAMES, CA
[73] BRADICA INVESTMENTS INC., CA
[73] RED LEAF LASER SOLUTIONS INC., CA
[86] (3069665)
[87] (3069665)
[22] 2020-01-24
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[51] **Int.Cl. A01D 41/06 (2006.01) A01B 63/10 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **CROP MACHINE WITH AN ELECTRONICALLY CONTROLLED HYDRAULIC CYLINDER FLOTATION SYSTEM**
[54] **ENGIN DE RECOLTE DOTE D'UN SYSTEME DE FLOTTEMENT PAR VERIN HYDRAULIQUE A COMMANDE ELECTRONIQUE**
[72] DUNN, JAMES T., CA
[72] LEVERICK, GRAHAM M., CA
[72] LYONS, RUSSELL G., CA
[72] SHEARER, BRUCE R., CA
[72] BOCH, KYLE E., CA
[73] MACDON INDUSTRIES LTD., CA
[86] (3072993)
[87] (3072993)
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[25] EN
[54] **METHODS AND SYSTEMS FOR ENHANCED DISSOLVED GAS FLOATATION**
[54] **PROCEDES ET SYSTEMES DE FLOTTAISON DE GAZ DISSOUS AMELIOREE**
[72] WIERCINSKI, SHANE P., US
[72] COOLEY, CURTIS D., US
[72] FELCH, CHAD L., US
[73] SIEMENS ENERGY, INC., US
[85] 2020-02-13
[86] 2018-08-13 (PCT/US2018/046431)
[87] (WO2019/036328)
[30] US (62/545,713) 2017-08-15

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[13] C
[51] **Int.Cl. G06Q 50/02 (2012.01) A01G 7/00 (2006.01)**
[25] EN
[54] **DIGITAL MODELING AND TRACKING OF AGRICULTURAL FIELDS FOR IMPLEMENTING AGRICULTURAL FIELD TRIALS**
[54] **MODELISATION NUMERIQUE ET SUIVI DE CHAMPS AGRICOLES POUR LA MISE EN OEUVRE D'ESSAIS DE CHAMPS AGRICOLES**
[72] RUFF, THOMAS GENE, US
[72] BULL, JASON KENDRICK, US
[72] CIZEK, NICHOLAS CHARLES, US
[72] RINKENBERGER, BRANDON, US
[72] SAUDER, DOUG, US
[73] CLIMATE LLC, US
[85] 2020-02-19
[86] 2018-08-21 (PCT/US2018/047397)
[87] (WO2019/040538)
[30] US (62/548,396) 2017-08-21

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[25] EN
[54] **AUXILIARY APPARATUS FOR USE WITH A VEHICLE ELECTRIC PLUG, AUXILIARY LIGHTING SYSTEM FOR USE IN SUCH AN APPARATUS**
[54] **APPAREIL AUXILIAIRE DESTINE A ETRE UTILISE AVEC UNE FICHE ELECTRIQUE DE VEHICULE, SYSTEME D'ECLAIRAGE AUXILIAIRE DESTINE A ETRE UTILISE DANS UN TEL APPAREIL**
[72] ORAZEM, LOUIS, US
[73] MEYER PRODUCTS, LLC, US
[85] 2020-02-27
[86] 2018-08-31 (PCT/US2018/049139)
[87] (WO2019/046747)
[30] US (15/694,141) 2017-09-01

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[51] **Int.Cl. A21D 13/42 (2017.01) A21D 2/14 (2006.01) A21D 2/16 (2006.01) A21D 8/00 (2006.01) A23D 9/05 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A FLOUR TORTILLA**
[54] **METHODE DE PREPARATION DE FARINE A TORTILLA**
[72] KARREMANS, ADRIANUS RUTGERUS ANTONIUS, NL
[72] VAN OORT, MARTINUS GERARDUS, NL
[72] CARREON, OSCAR, NL
[72] PRIMO MARTIN, CRISTINA, NL
[73] MAURI TECHNOLOGY B.V., NL
[85] 2020-03-02
[86] 2018-09-06 (PCT/NL2018/050577)
[87] (WO2019/050403)
[30] US (62/554,600) 2017-09-06
[30] NL (2019710) 2017-10-12

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[13] C
[51] **Int.Cl. B60R 19/48 (2006.01) A47L 9/00 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **ROBOTIC CLEANER**
[54] **ROBOT NETTOYEUR**
[72] LIGGETT, MELINDA L., US
[72] KAMADA, ISAKU D., US
[72] HOPKE, FREDERICK K., US
[72] HUAT, GAN SIN, CN
[72] FIEBIG, CHARLES, US
[72] CONNOR, SCOTT, US
[72] AI, ALAN, CN
[73] SHARKNINJA OPERATING LLC, US
[85] 2020-03-03
[86] 2018-08-10 (PCT/US2018/046218)
[87] (WO2019/050655)
[30] US (62/555,468) 2017-09-07
[30] US (62/713,207) 2018-08-01

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[13] C
[51] **Int.Cl. B28B 13/02 (2006.01) B05B 1/14 (2006.01) B28C 7/16 (2006.01)**
[25] EN
[54] **SLURRY DELIVERY CONDUIT OF MIXER AND SLURRY DELIVERY METHOD**
[54] **CONDUIT DE DISTRIBUTION DE PATE DE MELANGEUR ET PROCEDE DE DISTRIBUTION DE PATE**
[72] NIIMI, KATSUMI, JP
[72] KANEKO, SHINOBU, JP
[73] YOSHINO GYPSUM CO., LTD., JP
[85] 2020-03-04
[86] 2018-09-01 (PCT/JP2018/032510)
[87] (WO2019/058936)
[30] JP (2017-178937) 2017-09-19

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[51] **Int.Cl. H01B 7/04 (2006.01) H01R 4/58 (2006.01) H01R 13/58 (2006.01) H01R 35/02 (2006.01)**
[25] EN
[54] **FLEXIBLE DEVICE AND METHOD**
[54] **DISPOSITIF FLEXIBLE ET PROCEDE**
[72] LOH, YUH, US
[72] RENDALL, LORN, US
[72] SCOTT, THOMAS MCCLAIN, US
[72] DUAN, PING, US
[72] ISIDRO, ERMANEL, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-03-09
[86] 2018-09-20 (PCT/US2018/051986)
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[54] **NON-HUMAN ANIMALS COMPRISING SLC30A8 MUTATION AND METHODS OF USE**
[54] **ANIMAUX NON HUMAINS COMPRENANT UNE MUTATION DE SLC30A8 ET PROCEDES D'UTILISATION**
[72] KLEINER, SANDRA, US
[72] ROJAS, JOSE F., US
[72] GROMADA, JESPER, US
[73] REGENERON PHARMACEUTICALS, INC., US
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[30] US (62/584,228) 2017-11-10
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[25] EN
[54] **ADVANCED HARDWARE SYSTEM FOR SELF SERVICE CHECKOUT KIOSK**
[54] **SYSTEME MATERIEL DE POINTE POUR KIOSQUE DE REGLEMENT LIBRE-SERVICE**
[72] DURIEUX, VINCENT, US
[72] ABRAMS, JACOB WHITAKER, US
[72] RAJAGOPAL, NAGALAKSHMI, US
[73] CLOVER NETWORK, LLC, US
[86] (3077271)
[87] (3077271)
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[25] EN
[54] **RECOVERY OF SOLVENT FROM DILUTED TAILINGS BY FEEDING A SOLVENT DILUTED TAILINGS TO A DIGESTER DEVICE**
[54] **RECUPERATION DE SOLVANT A PARTIR DE RESIDUS DILUES PAR ALIMENTATION D'UNFLUX DE RESIDUS DILUES PAR UN SOLVANT DANS UN DIGESTEUR**
[72] VAN DER MERWE, SHAWN, CA
[72] HANN, THOMAS CHARLES, CA
[73] FORT HILLS ENERGY L.P., CA
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[25] EN
[54] **COMMUNITY-INTEGRATED SMART PLAYGROUND AND METHOD OF ITS USE**
[54] **TERRAIN DE JEU INTELLIGENT INTEGRE DANS LA COLLECTIVITE ET SON PROCEDE D`UTILISATION**
[72] ROSEN, MICHAEL DAVID, CA
[72] SEEF, BYRON JOSHUA, CA
[72] TONER, MATTHEW HERBERT, CA
[73] BIBA VENTURES, INC., CA
[86] (3079315)
[87] (3079315)
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[51] **Int.Cl. B29C 64/205 (2017.01) B33Y 30/00 (2015.01) B29C 64/106 (2017.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR ADDITIVE MANUFACTURING AT AMBIENT TEMPERATURE**
[54] **APPAREIL ET PROCEDES DE FABRICATION ADDITIVE A TEMPERATURE AMBIANTE**
[72] VAAL, SCOTT G., US
[73] THERMWOOD CORPORATION, US
[85] 2020-04-23
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[54] **DIAGNOSTIC AND THERAPEUTIC USES OF GELSOLIN IN RENAL FAILURE**
[54] **DIAGNOSTIC ET UTILISATIONS THERAPEUTIQUES DE GELSOLINE POUR L'INSUFFISANCE RENALE**
[72] THADHANI, RAVI, US
[72] STOSSEL, THOMAS P., US
[72] LEE, PO-SHUN, US
[72] KARUMANCHI, ANANTH, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[73] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[73] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
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[25] EN
[54] **HEATING MODULE FOR A HEATING SYSTEM OF A HABITABLE VEHICLE**
[54] **MODULE DE CHAUFFAGE POUR SYSTEME DE CHAUFFAGE D'UN VEHICULE HABITABLE**
[72] POHLMULLER, ADAM, DE
[72] PIEGSA, SIEGFRIED, DE
[72] ERDOGAN, FIKRET, DE
[72] UNNU, KAMIL, DE
[72] MOHRING, MARIO, DE
[72] LAGING, JOHANNES, DE
[72] DOMOTOR, MIHAI, DE
[73] TRUMA GERATETECHNIK GMBH & CO. KG, DE
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[54] **BELT DRIVE MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'ENTRAINEMENT PAR COURROIE**
[72] CHINNEL, KANE, US
[72] RAGAN, JOHN, US
[72] SANDERS, BARON, US
[72] BROWN, LESLEE, US
[72] SOUKHOVEI, VLADISLAV, US
[73] GATES CORPORATION, US
[85] 2020-05-05
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[54] **SYSTEM, ELECTRODE AND METHOD FOR EVALUATING A CONDITION OF STEEL REINFORCEMENTS IN CONCRETE**
[54] **SYSTEME, ELECTRODE ET PROCEDE D'EVALUATION D'UNE CONDITION DE RENFORTS EN ACIER DANS LE BETON**
[72] RHAZI, JAMAL-EDDINE, CA
[73] AUSCULTECH INC., CA
[85] 2020-05-06
[86] 2018-11-05 (PCT/CA2018/051395)
[87] (WO2019/084694)
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[54] **AUDIO DECODER SUPPORTING A SET OF DIFFERENT LOSS CONCEALMENT TOOLS**
[54] **DECODEUR AUDIO PRENANT EN CHARGE UN ENSEMBLE D'OUTILS DE DISSIMULATION DE PERTE DIFFERENTS**
[72] TOMASEK, ADRIAN, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[72] TSCHEKALINSKIJ, ALEXANDER, DE
[72] SCHNABEL, MICHAEL, DE
[72] SPERSCHNEIDER, RALPH, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **LINE HANDLING SYSTEM FOR A TUGBOAT**
[54] **SYSTEME DE MANIPULATION POUR UN REMORQUEUR**
[72] BANGSLUND, THOMAS, DK
[73] SVITZER A/S, DK
[85] 2020-05-20
[86] 2018-11-19 (PCT/EP2018/081821)
[87] (WO2019/097067)
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[25] EN
[54] **PITCH-CHANGE APPARATUS AND METHOD OF PITCHING ROTOR BLADES**
[54] **APPAREIL ET PROCEDE DE CHANGEMENT DE PAS D`AUBES DE ROTOR DE PAS**
[72] FENNY, CARLOS ALEXANDER, US
[72] BRODEUR, NICHOLAS, CA
[72] CHARRON, LOUIS, CA
[72] MORRIS, KEVIN, CA
[73] BELL TEXTRON INC., US
[86] (3083284)
[87] (3083284)
[22] 2020-06-11
[30] US (16/439,055) 2019-06-12

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[51] **Int.Cl. A24F 40/20 (2020.01) A24F 40/30 (2020.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR GENERATING AN INHALABLE MEDIUM**
[54] **APPAREIL, SYSTEME ET PROCEDE DE GENERATION D'UN MILIEU INHALABLE**
[72] AZZOPARDI, ANNA, GB
[72] SPENCER, ALFRED, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-05-22
[86] 2018-11-23 (PCT/EP2018/082411)
[87] (WO2019/101946)
[30] GB (1719578.5) 2017-11-24

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[51] **Int.Cl. F16J 15/06 (2006.01) F16J 15/3296 (2016.01)**
[25] EN
[54] **SEAL ARRANGEMENT**
[54] **SYSTEME D'ETANCHEITE**
[72] NAHRWOLD, OLAF, DE
[72] SINDLINGER, STEFAN, DE
[72] TRABER, BORIS, DE
[72] MOLLER, SASCHA, DE
[73] CARL FREUDENBERG KG, DE
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[30] DE (10 2017 010 981.8) 2017-11-28
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[25] EN
[54] **CONTROLLING OF SINTERING KINETICS OF OXIDE CERAMICS**
[54] **CONTROLE DE LA CINETIQUE DE FRITTAGE DES CERAMIQUES D'OXYDE**
[72] ROTHBRUST, FRANK, AT
[72] RITZBERGER, CHRISTIAN, CH
[72] BRODKIN, DMITRI, US
[72] AJMAL, KHAN, US
[72] SCHWEIGER, MARCEL, CH
[73] IVOCLAR VIVADENT AG, LI
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[87] (3084630)
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[51] **Int.Cl. C08F 2/00 (2006.01) C08F 2/01 (2006.01) C08F 4/40 (2006.01)**
[25] EN
[54] **IMPROVED CONTROL OVER CONTROLLED RADICAL POLYMERIZATION PROCESSES**
[54] **CONTROLE AMELIORE DES PROCEDES DE POLYMERISATION RADICALAIRE CONTROLEE**
[72] JAKUBOWSKI, WOJCIECH, US
[72] SPANSWICK, JAMES, US
[73] PILOT POLYMER TECHNOLOGIES, INC., US
[86] (3086903)
[87] (3086903)
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[30] US (12/926,780) 2010-12-08

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[51] **Int.Cl. H02M 7/49 (2007.01) H02M 1/12 (2006.01) H02M 7/5395 (2006.01)**
[25] EN
[54] **PULSE WIDTH MODULATION CONTROL FOR A MULTILEVEL CONVERTER**
[54] **COMMANDE DE MODULATION DE LARGEUR D'IMPULSION POUR UN CONVERTISSEUR MULTINIVEAU**
[72] MIHALACHE, LIVIU, US
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-05-13
[86] 2017-11-15 (PCT/US2017/061717)
[87] (WO2019/098999)

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[51] **Int.Cl. B65B 55/20 (2006.01) B65B 61/22 (2006.01) B65B 63/02 (2006.01)**
[25] EN
[54] **AUTOMATIC DUNNAGE CONFORMING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE CONFORMATION DE FARDAGE AUTOMATIQUE**
[72] SIA, JEAN-YVES, FR
[72] KLARNER, UWE, FR
[72] PARISSE, REMI, FR
[73] RANPAK CORP., US
[85] 2020-07-09
[86] 2019-02-06 (PCT/US2019/016738)
[87] (WO2019/156994)
[30] US (62/627,584) 2018-02-07

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[51] **Int.Cl. G01S 17/32 (2020.01) B23K 26/70 (2014.01) D03D 15/56 (2021.01) B23K 26/03 (2006.01) G02F 1/39 (2006.01)**
[25] EN
[54] **A DEVICE AND A METHOD FOR DISTANCE MEASUREMENT FOR A LASER PROCESSING SYSTEM, AND A LASER PROCESSING SYSTEM**
[54] **DISPOSITIF ET PROCEDE DE MESURE DE DISTANCE POUR UN SYSTEME DE TRAITEMENT AU LASER ET SYSTEME DE TRAITEMENT AU LASER**
[72] MOSER, RUDIGER, DE
[72] SCHONLEBER, MARTIN, DE
[73] PRECITEC GMBH & CO. KG, DE
[85] 2020-07-15
[86] 2018-12-21 (PCT/EP2018/086656)
[87] (WO2019/145107)
[30] DE (10 2018 101 554.2) 2018-01-24

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[13] C
[51] **Int.Cl. G06N 20/10 (2019.01)**
[25] EN
[54] **FINITE RANK DEEP KERNEL LEARNING FOR ROBUST TIME SERIES FORECASTING AND REGRESSION**
[54] **APPRENTISSAGE DE NOYAU PROFOND DE RANG FINI POUR UNE PREVISION ET UNE REGRESSION DE SERIES CHRONOLOGIQUES ROBUSTES**
[72] DASGUPTA, SAMBARTA, US
[72] KUMAR, SRICHARAN, US
[72] SRIVASTAVA, ASHOK, US
[73] INTUIT INC., US
[85] 2020-07-15
[86] 2019-07-29 (PCT/US2019/043934)
[87] (WO2020/091865)
[30] US (62/755,229) 2018-11-02
[30] US (16/212,601) 2018-12-06

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[51] **Int.Cl. B29C 64/245 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/40 (2017.01)**
[25] EN
[54] **ADDITIVELY MANUFACTURED STRUCTURE AND METHOD FOR MAKING THE SAME**
[54] **STRUCTURE FABRIQUEE DE MANIERE ADDITIVE ET PROCEDE POUR SA FABRICATION**
[72] RIHA, DAVID, US
[72] FIECHTER, ALEXIS, US
[72] BEDSOLE, ROBERT, US
[72] HILL, CHARLES, US
[72] NOVIKOV, TIMOFEI, US
[72] ROWE, KYLE, US
[73] LOCAL MOTORS IP, LLC, US
[85] 2020-07-22
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[51] **Int.Cl. B60R 5/00 (2006.01) B60P 1/00 (2006.01)**
[25] EN
[54] **TOUR BUS**
[54] **AUTOBUS DE VISITE GUIDEE**
[72] LEE, AN-YUAN, TW
[72] LAI, CHIA-TE, TW
[73] OK BIOTECH CO. LTD., TW
[86] (3089701)
[87] (3089701)
[22] 2020-08-11
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[13] C
[51] **Int.Cl. B61G 1/36 (2006.01)**
[25] EN
[54] **RAILWAY VEHICLE, COUPLER, AND COUPLER BODY THEREOF**
[54] **VEHICULE FERROVIAIRE, COUPLEUR ET CORPS DE COUPLEUR ASSOCIE**
[72] CUI, YINGJUN, CN
[72] JIANG, YAN, CN
[72] JIN, PENGDI, CN
[72] WANG, YAN, CN
[72] WANG, CHANGCHUN, CN
[72] MENG, QINGMIN, CN
[73] CRRC QIQIHAR ROLLING STOCK CO., LTD., CN
[85] 2020-07-28
[86] 2019-06-26 (PCT/CN2019/092974)
[87] (WO2020/001469)
[30] CN (201810700562.5) 2018-06-29
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[51] **Int.Cl. F16K 31/126 (2006.01) F16K 17/00 (2006.01) F16K 17/38 (2006.01) F16K 31/36 (2006.01) F16K 31/68 (2006.01) F17D 5/00 (2006.01)**
[25] EN
[54] **A SHUT-OFF VALVE FOR A FLUID CIRCUIT AND METHOD FOR OPERATING THE SAME**
[54] **SOUPAPE D'ARRET POUR CIRCUIT DE FLUIDE ET SON PROCEDE DE FONCTIONNEMENT**
[72] BISHOFF, MARK EUGENE, CA
[72] BISHOFF, GUY THOMAS, CA
[73] BISHOFF, MARK EUGENE, CA
[73] BISHOFF, GUY THOMAS, CA
[85] 2020-07-29
[86] 2018-02-07 (PCT/IB2018/050761)
[87] (WO2018/146601)
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[51] **Int.Cl. E21B 43/25 (2006.01) E21B 43/12 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING HYDROCARBONS**
[54] **METHODE ET APPAREIL DE PRODUCTION D'HYDROCARBURES**
[72] HARLAND, GRAHAM T., CA
[72] SCOTT, TYLER S., CA
[72] QUIST, ROBERT E., CA
[73] TRN TECH INC., CA
[86] (3090126)
[87] (3090126)
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[51] **Int.Cl. B62B 3/14 (2006.01)**
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[54] **MANUALLY MOVABLE TROLLEY**
[54] **CHARIOT DE TRANSPORT DEPLACABLE MANUELLEMENT**
[72] EBERLEIN, MARTIN, BG
[73] EBERLEIN, MARTIN, BG
[85] 2020-08-06
[86] 2019-01-23 (PCT/DE2019/000015)
[87] (WO2019/154449)
[30] DE (DE 20 2018 000 613.0) 2018-02-07
[30] DE (DE 20 2018 000 661.0) 2018-02-09

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[13] C
[51] **Int.Cl. A01K 13/00 (2006.01) A01L 1/00 (2006.01) A01L 3/00 (2006.01) A01L 5/00 (2006.01)**
[25] EN
[54] **EQUINE HOOF BOOT**
[54] **HIPPOSANDALE**
[72] MACDONALD, DAVID DUNCAN, AU
[73] SCOOTBOOT PTY LTD, AU
[86] (3092040)
[87] (3092040)
[22] 2014-03-13
[62] 2,905,173
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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 51/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PSMA-TARGETED RADIOPHARMACEUTICAL FOR DIAGNOSING AND TREATING PROSTATE CANCER**
[54] **AGENTS RADIOPHARMACEUTIQUES CIBLES SUR PSMA POUR LE DIAGNOSTIC ET LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] CHI, DAE YOON, KR
[72] LEE, BYOUNG SE, KR
[72] CHU, SO YOUNG, KR
[72] JEONG, HYEON JIN, KR
[72] KIM, MIN HWAN, KR
[73] FUTURECHEM CO., LTD., KR
[85] 2020-09-21
[86] 2019-03-29 (PCT/KR2019/003716)
[87] (WO2019/190266)
[30] KR (10-2018-0037226) 2018-03-30

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[13] C
[51] **Int.Cl. B05D 1/20 (2006.01)**
[25] EN
[54] **SYSTEM FOR COATING GRANULAR MATERIALS**
[54] **SYSTEME DE REVETEMENT DE MATERIAUX GRANULAIRES**
[72] FORSYTHE, PHILLIP, US
[73] NOUS, LLC, US
[86] (3096074)
[87] (3096074)
[22] 2014-11-11
[62] 2,928,871
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[13] C
[51] **Int.Cl. E04C 1/00 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **SEGMENTAL RETAINING WALL BLOCK WITH INTEGRAL VERTICAL INTERLOCK SYSTEM**
[54] **BLOC POUR MUR DE SOUTENEMENT AVEC SEGMENTS DE COIN AVEC UN SYSTEME D'INTERVERROUILLAGE VERTICAL INTEGRAL**
[72] NICOL, BROCK, CA
[72] MATYS, TYLER, CA
[73] RISI STONE INC., CA
[86] (3100488)
[87] (3100488)
[22] 2020-11-24

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[51] **Int.Cl. D21H 21/22 (2006.01) D21H 27/30 (2006.01)**
[25] EN
[54] **FIBROUS STRUCTURE-CONTAINING ARTICLES THAT EXHIBIT CONSUMER RELEVANT PROPERTIES**
[54] **ARTICLES CONTENANT DES STRUCTURES FIBREUSES DOTES DE PROPRIETES PERTINENTES POUR LES CONSOMMATEURS**
[72] YOUNG, CHRISTOPHER MICHAEL, US
[72] STELLJES, MICHAEL GOMER, US
[72] SUER, MICHAEL DONALD, US
[72] KLAWITTER, TIMOTHY JAMES, US
[72] DENBOW, JAMES ROY, US
[72] BARNHOLTZ, STEVEN LEE, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] TROKHAN, PAUL DENNIS, US
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (3101552)
[87] (3101552)
[22] 2017-10-17
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[25] EN
[54] **AUTOMATIC CROP HEALTH CHANGE DETECTION & ALERTING SYSTEM**
[54] **SYSTEME DE DETECTION ET D'ALERTE AUTOMATIQUE DE CHANGEMENT DE L'ETAT DE SANTE D'UNE CULTURE VEGETALE**
[72] LOGIE, GORDON, CA
[72] DUKE, GUY DION, CA
[73] FARMERS EDGE INC., CA
[85] 2020-11-26
[86] 2019-06-07 (PCT/CA2019/050803)
[87] (WO2020/000084)
[30] US (62/692,416) 2018-06-29

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[54] **METHOD AND APPARATUS FOR PROVIDING RADIO RESOURCE INFORMATION FOR SIDELINK CONTROL**
[54] **PROCEDE ET APPAREIL POUR FOURNIR DES INFORMATIONS DE RESSOURCES RADIO POUR UNE COMMANDE DE LIAISON LATERALE**
[72] LU, YOUXIONG, CN
[72] YANG, JIN, CN
[72] HUANG, SHUANGHONG, CN
[73] ZTE CORPORATION, CN
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[86] 2017-08-11 (PCT/CN2017/097236)
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[54] **SIDE POCKET MANDREL FOR PLUNGER LIFT**
[54] **MANDRIN DE POCHE LATERALE POUR POMPE A PISTON PLONGEUR**
[72] ROMER, MICHAEL C., US
[72] HORD, TONY W., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2021-01-21
[86] 2019-04-26 (PCT/US2019/029428)
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[25] EN
[54] **ADMINISTRATION SET DETECTION AND AUTHENTICATION USING CAM PROFILES**
[54] **DETECTION ET AUTHENTIFICATION D'ENSEMBLE ADMINISTRATION A L'AIDE DE PROFILS DE CAME**
[72] AZAPAGIC, AZUR, US
[72] BARKLEY, MOHAN JONATHAN, US
[73] CURLIN MEDICAL INC., US
[86] (3108872)
[87] (3108872)
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[54] **SEED STARTING TRAY**
[54] **CAISSETTE DE SEMIS**
[72] BOVE, GRAHAM, US
[73] W. ATLEE BURPEE COMPANY, US
[86] (3110451)
[87] (3110451)
[22] 2021-02-25
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[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[73] SIXRING INC., CA
[86] (3110553)
[87] (3110553)
[22] 2021-02-26
[30] CA (3,074,199) 2020-02-28

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[51] **Int.Cl. D21C 3/06 (2006.01) C01B 17/69 (2006.01) C02F 1/72 (2006.01) C13K 1/02 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[73] SIXRING INC., CA
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[87] (3110555)
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[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/649 (2006.01) C08F 4/654 (2006.01) C08J 5/18 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION FOR FILMS**
[54] **COMPOSITION DE POLYETHYLENE POUR FILMS**
[72] MEIER, GERHARDUS, US
[72] SCHUELLER, ULF, DE
[72] MAUS, ANDREAS, DE
[72] MAVRIDIS, HARILAOS, US
[73] BASELL POLYOLEFINE GMBH, DE
[85] 2021-03-10
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[25] EN
[54] **NITROGEN OXIDE ABSORPTION SLURRY AND ITS PREPARATION AND USE METHOD THEREOF**
[54] **SUSPENSION ABSORBANTE D'OXYDE D'AZOTE, SON PROCEDE DE PREPARATION ET SON PROCEDE D'UTILISATION**
[72] HUANG, LIWEI, CN
[73] HUANG, LIWEI, CN
[85] 2021-03-18
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[25] EN
[54] **SPRUNG COUPLING**
[54] **COUPLAGE A RESSORT**
[72] BOWMAN, MATTHEW A., US
[72] BANCROFT, PHILIP WAYNE, US
[72] MADARA, SCOTT D., US
[72] SAVAGE, THOMAS C., US
[72] YOVANOVICH, KATHRYN E., US
[73] VICTAULIC COMPANY, US
[86] (3114900)
[87] (3114900)
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[25] EN
[54] **A LAMITUBE AND IMPLEMENTATIONS THEREOF**
[54] **TUBE STRATIFIE MULTICOUCHE ET SES MISES EN □UVRE**
[72] NAIR, HARIHARAN KRISHNAN, IN
[73] EPL LIMITED, IN
[85] 2021-04-06
[86] 2020-10-07 (PCT/IN2020/050863)
[87] (WO2021/070198)
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[51] **Int.Cl. A61L 2/10 (2006.01)**
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[54] **SYSTEM FOR NEUTRALIZING PATHOGENS ON TACTILE SURFACES**
[54] **SYSTEME POUR NEUTRALISER LES PATHOGENES SUR DES SURFACES TACTILES**
[72] MUNN, MAX, US
[73] STERILUMEN, INC., US
[86] (3127069)
[87] (3127069)
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[25] EN
[54] **PROJECTION LAMP**
[54] **LAMPE DE PROJECTION**
[72] ZHENG, HUAZHU, CN
[72] LU, YUNYUN, CN
[72] ZHENG, CAIJIAN, CN
[72] OUYANG, WENZHEN, CN
[73] SHENZHEN BOLONG TECHNOLOGY CO., LTD., CN
[86] (3129176)
[87] (3129176)
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[25] EN
[54] **HOOKAH DEVICE**
[54] **DISPOSITIF DE NARGUILE**
[72] BROYAN, MIKHAIL, AM
[72] ELAM, JOHN MICHAEL, US
[72] GILBERT, ALEXANDER, US
[72] HEDDEN, JACKSON, US
[72] TYNESKI, FRANK, US
[72] KHACHATRYAN, ARTYOM, AM
[73] ADALSIA LIMITED, CY
[85] 2021-08-06
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[13] C
[51] **Int.Cl. G06K 7/10 (2006.01) H03K 19/1776 (2020.01) G06T 7/90 (2017.01)**
[25] EN
[54] **DETECTION OF IMAGES IN RELATION TO TARGETS BASED ON COLORSPACE TRANSFORMATION TECHNIQUES AND UTILIZING ULTRAVIOLET LIGHT**
[54] **DETECTION D'IMAGES PAR RAPPORT A DES CIBLES SUR LA BASE DE TECHNIQUES DE TRANSFORMATION D'ESPACE COLORIMETRIQUE ET D'UTILISATION DE LUMIERE ULTRAVIOLETTE**
[72] WALTERS, AUSTIN GRANT, US
[72] GOODSITT, JEREMY EDWARD, US
[72] ABDI TAGHI ABAD, FARDIN, US
[73] CAPITAL ONE SERVICES, LLC, US
[85] 2021-09-17
[86] 2020-03-16 (PCT/US2020/022920)
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[25] EN
[54] **GLASS BASED EMPTY SUBSTRATE INTEGRATED WAVEGUIDE DEVICES**
[54] **DISPOSITIFS DE GUIDE D'ONDES INTEGRES A SUBSTRAT VIDE A BASE DE VERRE**
[72] FLEMMING, JEB H., US
[72] COOK, ROGER, US
[72] MCWETHY, KYLE, US
[73] 3D GLASS SOLUTIONS, INC., US
[85] 2021-10-01
[86] 2020-04-03 (PCT/US2020/026673)
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[25] EN
[54] **HEAT TREATMENT APPARATUS**
[54] **APPAREIL DE TRAITEMENT THERMIQUE**
[72] SHIBATA, KATSUMI, JP
[72] NAMIMATSU, HIDEKI, JP
[72] IKAI, MASAKO, JP
[73] SHIBATA, KATSUMI, JP
[73] JRTEC CO., LTD., JP
[73] BEST ALLIANCE CO., LTD., JP
[85] 2021-10-07
[86] 2020-08-31 (PCT/JP2020/032802)
[87] (WO2021/079619)
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[25] FR
[54] **OPTICAL SECURITY COMPONENT HAVING A PLASMONIC EFFECT, MANUFACTURE OF SUCH A COMPONENT, AND SECURE OBJECT PROVIDED WITH SUCH A COMPONENT**
[54] **COMPOSANT OPTIQUE DE SECURITE A EFFET PLASMONIQUE, FABRICATION D'UN TEL COMPOSANT ET OBJET SECURISE EQUIPE D'UN TEL COMPOSANT**
[72] ES-SAIDI, SOUKAINA, FR
[72] BLAIZE, SYLVAIN, FR
[72] MACIAS, DEMETRIO, FR
[72] LE CUNFF, LOIC, FR
[73] SURYS, FR
[85] 2021-11-12
[86] 2020-05-11 (PCT/EP2020/063060)
[87] (WO2020/229415)
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[51] **Int.Cl. H04W 4/029 (2018.01) H04W 4/38 (2018.01) G01C 21/34 (2006.01) G05D 1/02 (2020.01) G06F 17/14 (2006.01)**
[25] EN
[54] **DETERMINING ACTIVITY SWATH FROM MACHINE-COLLECTED WORKED DATA**
[54] **DETERMINATION D'UN EVENTAIL D'ACTIVITES A PARTIR DE DONNEES EXPLOITEES COLLECTEES PAR MACHINE**
[72] FREUDENHAMMER, JOSHUA, US
[72] MOLA, DANIEL, US
[73] FARMOBILE LLC, US
[85] 2021-11-16
[86] 2020-05-15 (PCT/US2020/033213)
[87] (WO2020/236628)
[30] US (16/418,632) 2019-05-21

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[13] C
[51] **Int.Cl. G06Q 10/02 (2012.01)**
[25] EN
[54] **MEETING ROOM RESERVATION SYSTEM AND RELATED TECHNIQUES**
[54] **SYSTEME DE RESERVATION DE SALLE DE REUNION ET TECHNIQUES ASSOCIEES**
[72] ZHANG, ZHIFU, CN
[72] LI, JIN, CN
[73] CITRIX SYSTEMS, INC., US
[85] 2021-12-17
[86] 2020-03-13 (PCT/CN2020/079118)
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[25] EN
[54] **APPARATUS AND METHOD FOR STRAPPING PACKAGED GOODS**
[54] **DISPOSITIF ET PROCEDE POUR CERCLER DES MARCHANDISES EMBALLEES**
[72] KIMMERLE, ANDREAS, DE
[73] ERGOPACK DEUTSCHLAND GMBH, DE
[85] 2021-12-17
[86] 2019-07-29 (PCT/EP2019/070392)
[87] (WO2021/013365)
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[25] EN
[54] **EMITTER STRUCTURES FOR ENHANCED THERMIONIC EMISSION**
[54] **STRUCTURES EMETTRICES POUR EMISSION THERMOIONIQUE AMELIOREE**
[72] EBERSOHN, FRANS HENDRIK, US
[72] SOVEREIGN, RANDALL JAMES, US
[72] HEINRICH, JONATHAN ROBERT, US
[72] SULLIVAN, REGINA MARIKO, US
[73] LOCKHEED MARTIN CORPORATION, US
[85] 2022-01-24
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[51] **Int.Cl. A61B 5/15 (2006.01) G01N 33/72 (2006.01) G01N 35/00 (2006.01)**
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[54] **GLYCATED HEMOGLOBIN MEASUREMENT**
[54] **MESURE D'HEMOGLOBINE GLYQUEE**
[72] SNODGRASS, GARY L., US
[72] FAZIO, ROBERT, US
[72] HOFFMAN, CHRISTINE M., US
[72] JOHNSON, BRIAN R., US
[72] LABENSKI, GLEN D., US
[73] ORTHO-CLINICAL DIAGNOSTICS, INC., US
[85] 2022-01-18
[86] 2020-07-22 (PCT/US2020/043120)
[87] (WO2021/016380)
[30] US (62/877,188) 2019-07-22
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[13] C
[51] **Int.Cl. B26D 1/06 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **CUTTING MACHINE WITH BLADE DEPTH ADJUSTMENT**
[54] **MACHINE DE COUPE AVEC AJUSTEMENT DE LA PROFONDEUR DE LAME**
[72] JENTER, HOLGER, DE
[73] KRUG & PRIESTER GMBH & CO. KG, DE
[86] (3147984)
[87] (3147984)
[22] 2022-02-04
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[51] **Int.Cl. B26D 7/04 (2006.01) B26D 1/06 (2006.01)**
[25] EN
[54] **CUTTING MACHINE WITH POSITIVELY CONTROLLED PRESSING/CUTTING PROCESS**
[54] **MACHINE DE COUPE AYANT UN PROCEDE DE COMMANDE DE COUPE/PRESSE POSITIVE**
[72] JENTER, HOLGER, DE
[73] KRUG & PRIESTER GMBH & CO. KG, DE
[86] (3148049)
[87] (3148049)
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[25] EN
[54] **CUTTING MACHINE WITH TWO GUIDE PLATES FOR THE GUIDANCE OF BLADE AND CLAMPING BARS**
[54] **MACHINE DE DECOUPE AVEC DEUX PLAQUES DE GUIDAGE POUR LE GUIDAGE DE LA LAME ET DES BARRES DE SERRAGE**
[72] JENTER, HOLGER, DE
[73] KRUG & PRIESTER GMBH & CO. KG, DE
[86] (3148064)
[87] (3148064)
[22] 2022-02-04
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[51] **Int.Cl. A24B 13/00 (2006.01) A01H 1/02 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ARTICLES AND FORMULATIONS FOR SMOKING PRODUCTS AND VAPORIZERS**
[54] **ARTICLES ET FORMULATIONS POUR PRODUITS A FUMER ET VAPOTEUSES**
[72] PANDOLFINO, JOSEPH, US
[73] CABBACIS LLC, US
[85] 2022-03-11
[86] 2020-09-10 (PCT/US2020/050128)
[87] (WO2021/050682)
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[51] **Int.Cl. F23B 10/02 (2011.01) F23B 80/02 (2006.01) F23H 13/06 (2021.01) F23J 15/06 (2006.01)**
[25] EN
[54] **BIOMASS HEATING SYSTEM WITH OPTIMIZED FLUE GAS TREATMENT**
[54] **INSTALLATION DE CHAUFFAGE A BIOMASSE COMPORTANT UN TRAITEMENT OPTIMISE DES GAZ DE COMBUSTION**
[72] SOMMERAUER, THILO, AT
[73] SL-TECHNIK GMBH, AT
[85] 2022-02-24
[86] 2020-09-03 (PCT/EP2020/074584)
[87] (WO2021/043895)
[30] EP (19195118.5) 2019-09-03
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[13] C
[51] **Int.Cl. B65C 3/14 (2006.01) B65C 3/08 (2006.01) B65C 9/02 (2006.01) B65C 9/06 (2006.01) B65C 9/20 (2006.01)**
[25] EN
[54] **MACHINE FOR APPLYING LABELS OR OTHER MARKINGS TO CONTAINERS**
[54] **MACHINE POUR APPLIQUER DES ETIQUETTES OU D'AUTRES MARQUES SUR DES CONTENEURS**
[72] BELIVACQUA, G, IT
[73] ACCRAPLY, LLC, A BARRY-WEHMILLER PACKAGING COMPANY, US
[85] 2022-04-22
[86] 2020-12-22 (PCT/US2020/066675)
[87] (WO2021/138158)
[30] US (62/954,777) 2019-12-30

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[51] **Int.Cl. F02D 41/18 (2006.01) F02D 41/28 (2006.01) F02M 35/024 (2006.01) F02M 35/10 (2006.01)**
[25] EN
[54] **INTAKE ADAPTION SYSTEM**
[54] **SYSTEME D'ADAPTATION DE L'ADMISSION**
[72] BANKS, GALE C., III, US
[73] BANKS, GALE C., III, US
[86] (3158804)
[87] (3158804)
[22] 2022-05-13
[30] US (17/321,427) 2021-05-15

[11] **3,160,008**
[13] C
[51] **Int.Cl. A47G 9/02 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **LAYERED YARN AND WEIGHTED BLANKET FOR DEEP PRESSURE THERAPY**
[54] **FIL EN COUCHES ET COUVERTURE LESTEE POUR UNE THERAPIE PAR PRESSION PROFONDE**
[72] HAMM, KATHRIN, US
[73] SOMNOS INTERNATIONAL HOLDING LTD., AE
[85] 2022-05-13
[86] 2019-10-08 (PCT/US2019/055194)
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[30] US (16/193,792) 2018-11-16

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Demandes canadiennes mises à la disponibilité du public

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[51] **Int.Cl. F24F 13/06 (2006.01) E04F 17/04 (2006.01)**
[25] EN
[54] **VENT REGISTER ADAPTER**
[54] **ADAPTATEUR DE BOUCHE D'EVENT**
[72] LITTLE, MALCOLM TROY, CA
[71] LITTLE, MALCOLM TROY, CA
[22] 2021-05-06
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[51] **Int.Cl. B25H 7/00 (2006.01) B25B 11/00 (2006.01) E04B 9/12 (2006.01) E04F 21/18 (2006.01)**
[25] EN
[54] **TOOL FOR ALIGNING T-BAR SUPPORT MEMBERS**
[54] **OUTIL POUR L'ALIGNEMENT DES ELEMENTS DE SUPPORT DE BARRE EN T**
[72] TAVARES, JOHN PAUL, CA
[71] TAVARES, JOHN PAUL, CA
[22] 2021-05-06
[41] 2022-11-06

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[25] EN
[54] **MANURE NUTRIENT RECOVERY SYSTEM**
[54] **SYSTEME DE RECUPERATION DES ELEMENTS NUTRITIFS DU FUMIER**
[72] SHIPMAKER, CHAD EMERY, CA
[72] MCCUTCHEON, JESSE KORD, CA
[72] MEIKLE, GRANT WARREN, CA
[72] MELNEY, KURT ALEXANDER, CA
[71] VALID MANUFACTURING LTD., CA
[22] 2021-05-06
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[51] **Int.Cl. G05B 19/042 (2006.01) G06M 15/00 (2011.01) G01S 17/04 (2020.01) H05B 47/13 (2020.01) H05B 47/19 (2020.01) G01V 8/10 (2006.01) G08B 13/183 (2006.01) G08C 17/02 (2006.01) G08C 19/00 (2006.01)**
[25] EN
[54] **OCCUPANCY-COUNTING SWITCH**
[54] **INTERRUPTEUR DE COMPTAGE DE L'OCCUPATION**
[72] ELO, LASZLO, CA
[71] ELO, LASZLO, CA
[22] 2021-05-07
[41] 2022-11-07

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[51] **Int.Cl. C25B 11/055 (2021.01) C25B 3/07 (2021.01) C25B 3/26 (2021.01) C25B 9/19 (2021.01) C25B 11/053 (2021.01) C25B 11/02 (2021.01)**
[25] EN
[54] **CATALYST AND METHOD FOR THE ELECTROREDUCTION OF CARBON DIOXIDE TO ETHANOL**
[54] **CATALYSEUR ET METHODE D'ELECTROREDUCTION DE DIOXYDE DE CARBONE EN ETHANOL**
[72] WANG, XUE, CA
[72] SARGENT, EDWARD, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2021-05-10
[41] 2022-11-10

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[21] **3,117,652**
[13] A1
[51] **Int.Cl. A47J 43/25 (2006.01) A47J 43/07 (2006.01)**
[25] EN
[54] **UNIVERSAL COCONUT GRATER ATTACHMENT**
[54] **ACCESSOIRE DE RAPE A NOIX DE COCO UNIVERSELLE**
[72] BALASUBRAMANIAM, SENTHURAN, CA
[72] SENTHURAN, SHALINI, CA
[71] BALASUBRAMANIAM, SENTHURAN, CA
[71] SENTHURAN, SHALINI, CA
[22] 2021-05-10
[41] 2022-11-10

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[21] **3,117,786**
[13] A1
[51] **Int.Cl. C01G 49/02 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) C01G 49/08 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **PREPARATION OF MAGNETITE NANOPARTICLES AND USES THEREOF**
[54] **PREPARATION DE NANOPARTICULES DE MAGNETITE ET UTILISATIONS CONNEXES**
[72] MARTOS, PERRY, CA
[72] WROBLEWSKI, CHARLES, CA
[72] MARTOS, BLAKE, CA
[71] UNIVERSITY OF GUELPH, CA
[22] 2021-05-07
[41] 2022-11-07

[21] **3,117,795**
[13] A1
[51] **Int.Cl. H02S 40/12 (2014.01) E01H 5/00 (2006.01) E01H 5/10 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **SMART SOLAR PANEL FOR AUTOMATED SNOW REMOVAL**
[54] **PANNEAU SOLAIRE INTELLIGENT POUR LE DENEIGEMENT AUTOMATISE**
[72] AHMED, SABBIR, CA
[72] HAQUE, ANIS, CA
[71] AHMED, SABBIR, CA
[71] HAQUE, ANIS, CA
[22] 2021-05-11
[41] 2022-11-11

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[21] **3,117,808**
[13] A1
[51] **Int.Cl. C02F 1/70 (2006.01) C01F 5/02 (2006.01) C01F 5/06 (2006.01) C02F 1/04 (2006.01) C02F 5/00 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **SILICA REDUCER COMPOSITIONS AND METHODS FOR TREATMENT OF PRODUCED WATER FROM THERMAL IN SITU BITUMEN OR HEAVY HYDROCARBON RECOVERY OPERATIONS**
[54] **COMPOSITIONS DE REDUCTEUR DE SILICE ET METHODES DE TRAITEMENT D'EAU PRODUITE D'OPERATIONS THERMIQUES DE RECUPERATION DE BITUME OU D'HYDROCARBURES LOURDS SUR PLACE**
[72] BEREZOWSKI, NEIL, CA
[72] JAFARI, MARYAM, CA
[72] SHI, GANG, CA
[72] SPACHTHOLZ, FRANZ XAVER, CA
[72] SPROUL, RICHARD, CA
[71] BAYMAG INC., CA
[22] 2021-05-11
[41] 2022-11-11

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[21] **3,117,919**
[13] A1
[51] **Int.Cl. B60R 7/04 (2006.01) B60N 2/90 (2018.01) B60R 7/10 (2006.01)**
[25] EN
[54] **CAR SEAT FOLDABLE HOOK DEVICE**
[54] **DISPOSITIF DE CROCHET PLIANT POUR SIEGE AUTOMOBILE**
[72] NGUYEN, DUC THINH, CA
[71] NGUYEN, DUC THINH, CA
[22] 2021-05-11
[41] 2022-11-11

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[21] **3,117,957**
[13] A1
[51] **Int.Cl. G06Q 90/00 (2006.01) G06Q 50/20 (2012.01) G06Q 50/22 (2018.01)**
[25] EN
[54] **THE BUILDING BLACK YOUTH FOUNDATION'S PROGRAM STRUCTURE AND ORGANIZATIONAL METHODOLOGY THEREFOR**
[54] **STRUCTURE DE PROGRAMME ET APPROCHE ORGANISATIONNELLE DE LA BUILDING BLACK YOUTH FOUNDATION**
[72] FLEMMINGS, TASHA, CA
[71] FLEMMINGS, TASHA, CA
[22] 2021-05-11
[41] 2022-11-11

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[21] **3,118,127**
[13] A1
[51] **Int.Cl. A01K 91/06 (2006.01) A01K 97/01 (2006.01) A01K 97/10 (2006.01)**
[25] EN
[54] **AUTOMATIC JIGGING MACHINES FOR FISHING**
[54] **MACHINES A TURLUTTES AUTOMATIQUES POUR LA PECHE**
[72] ZHANG, XIUMING, CA
[71] ZHANG, XIUMING, CA
[22] 2021-05-12
[41] 2022-11-12

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[21] **3,118,241**
[13] A1
[51] **Int.Cl. E03D 5/08 (2006.01)**
[25] EN
[54] **CORONA FOOT FLUSHER**
[54] **CHASSE D'EAU ACTIVEE AVEC LE PIED EN RAPPORT AVEC LE CORONAVIRUS**
[72] MICHEL, GUIRAND, US
[72] MICHEL, JOUBERT, US
[71] MICHEL, GUIRAND, US
[71] MICHEL, JOUBERT, US
[22] 2021-05-13
[41] 2022-11-12
[30] US (17319027) 2021-05-12

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[21] **3,118,285**
[13] A1
[51] **Int.Cl. G01S 5/10 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING VEHICLE POSITION BY TRIANGULATION**
[54] **SYSTEME ET METHODE DE DETERMINATION D'UNE POSITION DE VEHICULE PAR TRIANGULATION**
[72] STAATS, ANDREW RYAN, US
[72] BARR, STUART JOHN, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2021-05-13
[41] 2022-11-12
[30] US (17/318,764) 2021-05-12

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[21] **3,118,315**
[13] A1
[51] **Int.Cl. B65G 57/32 (2006.01) B65G 57/00 (2006.01)**
[25] EN
[54] **MATERIAL HANDLING EQUIPMENT**
[54] **EQUIPEMENT DE MANUTENTION DE MATERIAU**
[72] RICE, MATTHEW GERALD, IE
[71] EDGE INNOVATE (NI) LIMITED, GB
[22] 2021-05-12
[41] 2022-11-12

[21] **3,123,258**
[13] A1
[51] **Int.Cl. A41D 19/015 (2006.01) A41D 13/08 (2006.01) A62B 17/00 (2006.01)**
[25] EN
[54] **TACTICAL GLOVE**
[54] **GANT TACTIQUE**
[72] SEIZ, RAINER, DE
[71] FRIEDRICH SEIZ GMBH, DE
[22] 2021-06-25
[41] 2022-11-06
[30] DE (10 2021 111 851.4) 2021-05-06

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[21] **3,131,322**
[13] A1
[51] **Int.Cl. F16B 25/00 (2006.01)**
[25] EN
[54] **DRILLABLE THREADED COMPOSITE FIBER REINFORCEMENT CONNECTOR AND ASSEMBLING DEVICE THEREOF**
[54] **CONNECTEUR DE RENFORCEMENT A FIBRE COMPOSITE FILETEE FORABLE ET METHODE D'ASSEMBLAGE**
[72] CHEN, WENXUE, CN
[72] JIAO, YUZHAO, CN
[71] SFTEC INC., CA
[71] SHANDONG SAFETY INDUSTRIES CO., LTD., CN
[22] 2021-09-11
[41] 2022-11-12
[30] AU (2021102524) 2021-05-12

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[21] **3,138,475**
[13] A1
[51] **Int.Cl. E21B 19/22 (2006.01) B65H 51/14 (2006.01) B65H 51/32 (2006.01)**
[25] EN
[54] **COIL TUBING INJECTOR**
[54] **INJECTEUR A TUBE SPIRALE**
[72] SMITH, HARLAN B., US
[72] SMITH, SHAWN R., US
[71] ENTRO INDUSTRIES, INC., US
[22] 2021-11-10
[41] 2022-11-07
[30] US (63/185,769) 2021-05-07
[30] US (17/521,682) 2021-11-08

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[21] **3,140,774**
[13] A1
[51] **Int.Cl. E05B 15/00 (2006.01)**
[25] EN
[54] **RATCHET LOCK ASSEMBLIES**
[54] **ASSEMBLAGES DE VERROU A CLIQUET**
[72] BULLWINKEL, WILLIAM H., US
[72] LUDWIG, ROBERT, US
[72] WACHSMAN, DAVID R., US
[72] MA, ALVIN, US
[71] DELTA LOCK COMPANY, LLC, US
[22] 2021-11-30
[41] 2022-11-10
[30] US (63/186,234) 2021-05-10

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[21] **3,142,803**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **ATOMIZING CORE, ATOMIZER, AND ELECTRONIC CIGARETTE**
[54] **NOYAU DE PULVERISATION, PULVERISATEUR ET CIGARETTE ELECTRONIQUE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-12-17
[41] 2022-11-06
[30] CN (202110491274.5) 2021-05-06
[30] CN (202120951088.0) 2021-05-06

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[21] **3,148,124**
[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING AND DISPLAYING TARGETED INFORMATION RELATED TO ROBOTS WORKING IN AN OPERATING ENVIRONMENT**
[54] **SYSTEME ET METHODE POUR GENERER ET AFFICHER DES RENSEIGNEMENTS CIBLES CONCERNANT DES ROBOTS TRAVAILLANT DANS UN ENVIRONNEMENT OPERATIONNEL**
[72] SHARMA, ABHISHEK, JP
[71] RAPYUTA ROBOTICS CO., LTD., JP
[22] 2022-02-09
[41] 2022-11-11
[30] US (17/316,770) 2021-05-11

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[21] **3,149,516**
[13] A1
[51] **Int.Cl. A24F 9/00 (2006.01) A24F 1/02 (2006.01)**
[25] EN
[54] **SMOKING ACCESSORIES**
[54] **ACCESSOIRES POUR FUMER**
[72] KIM, LEWIS, CA
[72] KIM, TAMARA, CA
[71] KIM, LEWIS, CA
[71] KIM, TAMARA, CA
[22] 2022-02-18
[41] 2022-11-07
[30] US (17315206) 2021-05-07

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[21] **3,152,045**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/20 (2006.01)**
[25] FR
[54] **CONTINUOUS PRESSURE VENTILATION DEVICE SUITABLE FOR TREATING PATIENTS IN RESPIRATORY INSUFFICIENCY**
[54] **DISPOSITIF DE VENTILATION A PRESSION CONTINUE ADAPTE AU TRAITEMENT DES PATIENTS EN INSUFFISANCE RESPIRATOIRE**
[72] BADAT, BILAL, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[72] LESIMPLE, ARNAUD, FR
[72] PROUVEZ, NATHAN, FR
[72] MASSARO, PAOLO, IT
[72] ZADRA, DAVIDE, IT
[72] ALBERICI, LUCA, IT
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS SRL, IT
[22] 2022-03-15
[41] 2022-11-06
[30] FR (2104790) 2021-05-06

[21] **3,152,692**
[13] A1
[51] **Int.Cl. B65D 81/07 (2006.01)**
[25] EN
[54] **SYSTEM FOR TRANSPORTING FRAGILE OBJECTS**
[54] **SYSTEME POUR TRANSPORTER DES OBJETS FRAGILES**
[72] KRONKRIGHT, DALE PAUL, US
[72] WHITE, ROBERT, US
[71] THE SUPPORTING ORGANIZATION FOR THE GEORGIA O'KEEFFE MUSEUM, US
[22] 2022-03-18
[41] 2022-11-07
[30] US (17/314,926) 2021-05-07

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[21] **3,154,178**
[13] A1
[51] **Int.Cl. A62C 37/00 (2006.01) A62C 37/14 (2006.01) A62C 37/50 (2006.01)**
[25] EN
[54] **BULB DEVICE**
[54] **DISPOSITIF D'AMPOULE**
[72] KRUTSKEVYCH, NAZAR, PL
[72] WOLNOWSKI, PIOTR, PL
[72] SWIERZEWSKI, SEBASTIAN, PL
[71] MARIOFF CORPORATION OY, FI
[22] 2022-03-29
[41] 2022-11-07
[30] EP (21172817.5) 2021-05-07

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[21] **3,155,530**
[13] A1
[51] **Int.Cl. B65D 51/20 (2006.01) A61J 1/14 (2006.01) B65D 41/32 (2006.01)**
[25] EN
[54] **TAMPER EVIDENT PLASTIC CLOSURE FOR VIALS FOR STORING SUBSTANCES FOR MEDICAL OR PHARMACEUTICAL APPLICATIONS AND USE THEREOF**
[54] **FERMETURE PLASTIQUE A ALTERATION EVIDENTE POUR DES FIOLES SERVANT A STOCKER DES SUBSTANCES D'APPLICATIONS MEDICALES ET PHARMACEUTIQUES, ET UTILISATION CONNEXE**
[72] DADACHANJI, RISHAD KAIRUS, IN
[72] PATEL, KEYURKUMAR ARVINDBHAI, IN
[71] KAISHA PACKAGING PRIVATE LTD., IN
[22] 2022-04-19
[41] 2022-11-06
[30] IN (202121020675) 2021-05-06

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[21] **3,155,546**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) G16H 80/00 (2018.01) H04W 4/38 (2018.01) H04W 4/021 (2018.01)**
[25] EN
[54] **MEDICAL EMERGENCY TEAM COMMUNICATION PLATFORM**
[54] **PLATEFORME DE COMMUNICATION POUR EQUIPE D'URGENCE MEDICALE**
[72] ZADEH, SHAHRAM KAMAN, CA
[72] GHASEMZADEH, LEILA, CA
[72] HASHEMPOUR, AZAM, CA
[72] SHARIFI, LEILA, CA
[71] ZADEH, SHAHRAM KAMAN, CA
[71] GHASEMZADEH, LEILA, CA
[71] HASHEMPOUR, AZAM, CA
[71] SHARIFI, LEILA, CA
[22] 2022-04-14
[41] 2022-11-12
[30] US (63/187,620) 2021-05-12

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[21] **3,155,700**
[13] A1
[51] **Int.Cl. B63H 21/21 (2006.01) B63B 34/10 (2020.01) B63H 21/17 (2006.01)**
[25] EN
[54] **ELECTRIC MOTOR CONTROL BASED ON WATER INTAKE SENSOR**
[54] **COMMANDE DE MOTEUR ELECTRIQUE FONDEE SUR UN CAPTEUR DE PRISE D'EAU**
[72] BRUNEAU, PAUL, CA
[72] BRUNEAU, SAMUEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-04-12
[41] 2022-11-11
[30] US (63/186,964) 2021-05-11

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[21] **3,156,079**
[13] A1
[51] **Int.Cl. B60T 17/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING BRAKESYSTEM ANOMALIES**
[54] **SYSTEMES ET METHODES POUR DETECTER DES ANOMALIES DANS UN SYSTEME DE FREIN**
[72] OSWALD, JAMES A., US
[72] GRIMM, ANN K., US
[72] ANGEL, KEVIN, US
[72] TRAINOR, JAMES, US
[72] BURGART, PHILLIP A., US
[72] GAWNE, KENDRICK W., US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2022-04-21
[41] 2022-11-06
[30] US (17,313,502) 2021-05-06

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[21] **3,156,390**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING IN-PERSON STATUS TO A USER DEVICE**
[54] **SYSTEMES ET METHODES POUR FOURNIR UN ETAT EN PERSONNE A UN DISPOSITIF UTILISATEUR**
[72] AGGARWAL, KARN, US
[72] VAN GIESSEN, JULIAN, US
[72] WALKER, KEITH, US
[72] RONEN, GALIT, US
[72] PETRUCCI, ANTHONY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-04-25
[41] 2022-11-06
[30] US (17/313,102) 2021-05-06

[21] **3,156,544**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) G06V 20/56 (2022.01) A01B 73/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN IMPLEMENT IMAGING SYSTEM**
[54] **SYSTEMES ET METHODES POUR UN SYSTEME D'IMAGERIE SUR APPAREIL**
[72] JEROME, RICHMOND, JR., CA
[72] KOWALCHUK, TREVOR L., CA
[72] RAPLEY, ANTHONY CHARLES, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2022-04-27
[41] 2022-11-11
[30] US (17/317,428) 2021-05-11

[21] **3,156,562**
[13] A1
[51] **Int.Cl. A44C 13/00 (2006.01) A44C 15/00 (2006.01)**
[25] FR
[54] **REPLACEMENT STRUCTURE FOR SMALL JEWELLERY REQUIRING NO EXTERNAL TOOLS FOR OPENING AND CLOSING**
[54] **STRUCTURE DE REMPLACEMENT DE BIJOUTERIE ET/OU DE JOAILLERIE DE PETITES DIMENSIONS NE REQUIERANT PAS D'OUTILS EXTERIEUR POUR SON OUVERTURE ET FERMETURE**
[72] BERRUEX, CEDRIC, CH
[71] EDELMONT SA, CH
[22] 2022-04-27
[41] 2022-11-07
[30] CH (CH00514/21) 2021-05-07
[30] FR (FR2104840) 2021-05-07

[21] **3,156,651**
[13] A1
[51] **Int.Cl. C09D 11/322 (2014.01)**
[25] EN
[54] **AQUEOUS INKJET INK COMPOSITIONS**
[54] **COMPOSITIONS D'ENCRE A JET D'ENCRE AQUEUX**
[72] TEHRANI, SEPHER M., CA
[72] ALI, SYED MOHSIN, CA
[72] DONDON, CARLOS, CA
[72] ABRAHAM, BIBY ESTHER, CA
[72] ALLEN, C. GEOFFREY, CA
[72] BIRAU, MIHAELA MARIA, CA
[71] XEROX CORPORATION, US
[22] 2022-04-27
[41] 2022-11-06
[30] US (17/313,097) 2021-05-06

[21] **3,156,657**
[13] A1
[51] **Int.Cl. B05D 3/06 (2006.01) B01J 19/12 (2006.01)**
[25] EN
[54] **UV IRRADIATION APPARATUS FOR COATING SYSTEMS AND QUALITY ASSURANCE METHOD**
[54] **APPAREIL D'IRRADIATION PAR RAYONNEMENT ULTRAVIOLET POUR LES SYSTEMES DE REVETEMENT ET METHODE D'ASSURANCE DE LA QUALITE**
[72] MEISRIEMEL, OLIVER, DE
[71] ROBERT BURKLE GMBH, DE
[22] 2022-04-20
[41] 2022-11-10
[30] DE (102021112174.4) 2021-05-10

[21] **3,156,928**
[13] A1
[51] **Int.Cl. E04C 2/06 (2006.01) B28B 23/04 (2006.01)**
[25] EN
[54] **PRE-STRESSED INSULATED CONCRETE PANELS AND METHODS FOR MAKING AND USING THE SAME**
[54] **PANNEAUX DE BETON ISOLES PRECONTRAINTS ET METHODES POUR LES FABRIQUER ET LES UTILISER**
[72] HULSIZER, PHILIP NELSON, US
[72] STOUTAMIRE, MARK S., US
[72] WIGGINS, TERRELL, US
[71] HULSIZER, PHILIP NELSON, US
[71] STOUTAMIRE, MARK S., US
[71] WIGGINS, TERRELL, US
[22] 2022-04-21
[41] 2022-11-06
[30] US (63/184949) 2021-05-06

[21] **3,156,999**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 10/10 (2012.01) G06F 16/90 (2019.01)**
[25] EN
[54] **MACHINE-LEARNED DATABASE INTERACTION MODEL**
[54] **MODELE D'INTERACTION EN BASE DE DONNEES PRODUIT PAR APPRENTISSAGE AUTOMATIQUE**
[72] KLIMUK, KIRILL, US
[72] ZUBENKO, ROMAN E., US
[72] BERRY, SARA A., US
[71] ZENPAYROLL, INC., US
[22] 2022-04-22
[41] 2022-11-10
[30] US (17/315,988) 2021-05-10

[21] **3,157,030**
[13] A1
[51] **Int.Cl. C08L 79/08 (2006.01) C08G 73/10 (2006.01) C08J 3/09 (2006.01) C08J 3/16 (2006.01)**
[25] EN
[54] **POLYIMIDE MICROPARTICLES**
[54] **MICROPARTICULES DE POLYIMIDE**
[72] JAMALI, HOJJAT SEYED, CA
[72] FARRUGIA, VALERIE M., CA
[71] XEROX CORPORATION, US
[22] 2022-04-29
[41] 2022-11-11
[30] US (17/317,096) 2021-05-11

[21] **3,157,033**
[13] A1
[51] **Int.Cl. C09D 7/65 (2018.01) C09D 7/20 (2018.01) C09D 201/00 (2006.01)**
[25] EN
[54] **CROSSLINKED ORGANIC ADDITIVE FOR WATERBORNE COATING COMPOSITIONS**
[54] **ADDITIF ORGANIQUE RETICULE POUR DES COMPOSITIONS DE REVETEMENT A BASE D'EAU**
[72] VEREGIN, RICHARD P. N., CA
[72] NOSELLA, KIMBERLY D., CA
[72] KAMEL, MAJID, CA
[71] XEROX CORPORATION, US
[22] 2022-04-29
[41] 2022-11-11
[30] US (17/317085) 2021-05-11

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[21] **3,157,047**
[13] A1
[51] **Int.Cl. B29C 45/07 (2006.01) B29C 45/17 (2006.01)**
[25] EN
[54] **AN INJECTION MOLDING APPARATUS WITH LOAD-BALANCING MECHANISM**
[54] **APPAREIL DE MOULAGE PAR INJECTION COMPRENANT UN MECANISME D'EQUILIBRAGE DES CHARGES**
[72] KESTLE, MARTIN, CA
[71] MOLD-MASTERS (2007) LIMITED, CA
[22] 2022-04-29
[41] 2022-11-11
[30] US (17/317,288) 2021-05-11

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[21] **3,157,055**
[13] A1
[51] **Int.Cl. F16C 35/02 (2006.01) F16C 43/02 (2006.01)**
[25] EN
[54] **FLEXURE BASED PRELOAD MECHANISM**
[54] **MECANISME DE PRECHARGEMENT A BASE DE JOINT FLEXIBLE**
[72] GALLAGHER, JONATHAN, US
[72] MITCHELL, BRIAN, US
[72] MORGUS, TYLER, US
[71] THORLABS, INC., US
[22] 2022-05-02
[41] 2022-11-06
[30] US (63/185,154) 2021-05-06

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[21] **3,157,164**
[13] A1
[51] **Int.Cl. F25C 5/18 (2018.01) F25C 5/20 (2018.01) A47F 13/08 (2006.01)**
[25] EN
[54] **ICE BIN WITH MAGNETIZED SCOOP AND METHOD OF MANUFACTURE AND USE**
[54] **BAC A GLACE COMPRENANT UNE PELLE MAGNETIQUE ET METHODE DE FABRICATION ET D'UTILISATION**
[72] KNATT, KEVIN, US
[72] CAYEMBERG, CURT, US
[71] TRUE MANUFACTURING CO., INC., US
[22] 2022-04-22
[41] 2022-11-12
[30] US (17/318486) 2021-05-12

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[21] **3,157,205**
[13] A1
[51] **Int.Cl. H02G 1/06 (2006.01) H02G 9/08 (2006.01)**
[25] EN
[54] **METHOD AND EQUIPMENT FOR INSTALLING A POWER CABLE IN A DEPLOYMENT SITE**
[54] **METHODE ET EQUIPEMENT POUR INSTALLER UN CABLE D'ALIMENTATION SUR UN SITE DE DEPLOIEMENT**
[72] BACCHINI, MARCO, IT
[72] MANFREDI, SIMONE, IT
[72] GENOVESI, MARIO, IT
[71] PRYSMIAN S.P.A., IT
[22] 2022-05-03
[41] 2022-11-06
[30] IT (102021000011645) 2021-05-06

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[51] **Int.Cl. B63B 39/00 (2006.01) E04H 9/00 (2006.01) F16F 15/023 (2006.01)**
[25] EN
[54] **MOTION ABSORBING SYSTEM AND METHOD FOR A STRUCTURE**
[54] **SYSTEME D'ABSORPTION DES MOUVEMENTS ET METHODE D'UNE STRUCTURE**
[72] ALLEN, CHRISTOPHER K., US
[72] VISELLI, ANTHONY M., US
[72] GOUPEE, ANDREW J., US
[72] DAGHER, HABIB J., US
[72] BERRY, ROBERT E., US
[72] LINDNER, JEFFREY L., US
[72] GANT, FREDERICK S., US
[72] TOWNSEND, JOHN S., US
[72] WILLIAMS, REBECCA L., US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
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[51] **Int.Cl. E02D 5/00 (2006.01) E02D 5/22 (2006.01)**
[25] EN
[54] **APPARATUS FOR FASTENING PREFABRICATED CONCRETE BLOCKS**
[54] **APPAREIL POUR ATTACHER DES BLOCS DE BETON PREFABRIQUES**
[72] TREMBLAY, JIMMY, CA
[71] BETON PREFABRIQUE DU QUEBEC INC., CA
[22] 2022-05-03
[41] 2022-11-06
[30] US (63184905) 2021-05-06

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[13] A1
[51] **Int.Cl. C08L 61/34 (2006.01) C03C 27/10 (2006.01) C08J 5/04 (2006.01) C08K 7/14 (2006.01)**
[25] EN
[54] **FORMALDEHYDE-CONTAINING PRODUCTS WITH REDUCED FORMALDEHYDE EMISSIONS**
[54] **PRODUITS CONTENANT DU FORMALDEHYDE A EMISSIONS DE FORMALDEHYDE REDUITES**
[72] NATU, AMEYA, US
[72] ALAVI, KIARASH, US
[71] JOHNS MANVILLE, US
[22] 2022-05-03
[41] 2022-11-12
[30] US (17/318,430) 2021-05-12

[21] **3,157,551**
[13] A1
[51] **Int.Cl. B61K 9/08 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A STATUS OF A TRACK SECTION OF A RAILROAD; ASSOCIATED APPARATUS AND NON-TRANSITORY COMPUTER READABLE MEDIUM**
[54] **METHODE POUR DETERMINER UN ETAT D'UNE SECTION DE RAIL D'UN CHEMIN DE FER, APPAREIL CONNEXE ET SUPPORT NON TRANSITOIRE LISIBLE PAR ORDINATEUR**
[72] FRIES, JEFFREY, US
[72] SCHUCHMANN, CHRIS, US
[72] LAWSON, RICHARD, US
[72] CLARK, SHAWN, US
[72] ROSS, JOHN, US
[71] ALSTOM HOLDINGS, FR
[22] 2022-05-04
[41] 2022-11-10
[30] US (17/316.361) 2021-05-10

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[51] **Int.Cl. H02J 7/00 (2006.01) H01R 24/62 (2011.01) H02H 7/20 (2006.01)**
[25] EN
[54] **CHARGING APPARATUS AND CHARGING METHOD**
[54] **APPAREIL ET METHODE DE RECHARGE**
[72] ZHANG, GUOQIANG, CN
[72] MA, ZHEN, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2022-05-04
[41] 2022-11-06
[30] CN (202110491353.6) 2021-05-06

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[13] A1
[51] **Int.Cl. B65D 90/00 (2006.01) E03F 5/18 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **SEAL FOR COVER ON WASTEWATER TREATMENT TANK**
[54] **JOINT D'ETANCHEITE POUR COUVRIR UN RESERVOIR DE TRAITEMENT DES EAUX USEES**
[72] MIRZOTAN, ARTAK DAVITI, US
[72] CHRISTIANSEN, HAYDON, US
[72] HUNTER, ERIC, US
[71] OVIVO INC., CA
[22] 2022-05-04
[41] 2022-11-06
[30] US (63/185,236) 2021-05-06
[30] US (17/733,597) 2022-04-29

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[13] A1
[51] **Int.Cl. A47J 43/28 (2006.01) A47G 21/10 (2006.01)**
[25] EN
[54] **UTENSIL WITH CLAMP DEVICE**
[54] **USTENSILE COMPRENANT UN DISPOSITIF DE SERRAGE**
[72] ONG III, ISABELO R., CA
[71] ONG III, ISABELO R., CA
[22] 2022-05-04
[41] 2022-11-07
[30] US (63/185,368) 2021-05-07

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[13] A1
[51] **Int.Cl. G02B 5/10 (2006.01) G02B 1/00 (2006.01) G02B 27/18 (2006.01) G09B 9/00 (2006.01) G09B 9/08 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT RIGID MIRROR AND A METHOD OF PRODUCING A LIGHTWEIGHT RIGID MIRROR**
[54] **MIROIR LEGER RIGIDE ET METHODE DE FABRICATION D'UN MIROIR LEGER RIGIDE**
[72] KNAPLUND, JUSTIN KING, US
[71] FLIGHTSAFETY INTERNATIONAL INC., US
[22] 2022-04-28
[41] 2022-11-07
[30] US (63/185,497) 2021-05-07

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[13] A1
[51] **Int.Cl. E03B 11/00 (2006.01) F16M 1/00 (2006.01) F16M 13/00 (2006.01)**
[25] EN
[54] **MOUNTING DEVICE AND INSTALLATION ARRANGEMENT**
[54] **DISPOSITIF DE MONTAGE ET CONFIGURATION D'INSTALLATION**
[72] ROSS, ANDREAS, DE
[72] BARTENSTEIN, PAUL, DE
[71] UPONOR INNOVATION AB, SE
[22] 2022-04-29
[41] 2022-11-07
[30] DE (202021102490.9) 2021-05-07

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[13] A1
[51] **Int.Cl. F03D 80/00 (2016.01) F16F 15/02 (2006.01) F16F 15/28 (2006.01)**
[25] EN
[54] **WIND TURBINE HAVING EIGENFREQUENCY MODIFIER**
[54] **EOLIENNE A MODIFICATEUR DE FREQUENCE PROPRE**
[72] VOSS, STEFAN BERNHARD, DE
[72] MILLER, ALEXANDER, DE
[72] UPHUES, ULRICH, DE
[71] GENERAL ELECTRIC RENOVABLES ESPANA S.L., ES
[22] 2022-04-29
[41] 2022-11-06
[30] EP (21172525.4) 2021-05-06

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[13] A1
[51] **Int.Cl. H01H 85/175 (2006.01)**
[25] EN
[54] **FUSE END CAP HAVING DISPLACEABLE ALIGNMENT PIN**
[54] **BOUCHON DE PROTECTION DE FUSIBLE COMPRENANT UNE GOUPILLE DE POSITIONNEMENT DEPLACABLE**
[72] CAWOOD, MATTHEW D., US
[71] ABB SCHWEIZ AG, CH
[22] 2022-05-06
[41] 2022-11-10
[30] US (63/186,602) 2021-05-10

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[51] **Int.Cl. F16H 35/18 (2006.01) F16H 57/025 (2012.01) B64C 13/38 (2006.01)**
[25] EN
[54] **JAM TOLERANT ROTARY ACTUATOR**
[54] **ACTIONNEUR ROTATIF RESISTANT AU COINCEMENT**
[72] ROBERTS, DANIEL HENRY, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2022-05-05
[41] 2022-11-07
[30] US (63/185452) 2021-05-07

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[51] **Int.Cl. A23K 10/38 (2016.01) A23L 33/17 (2016.01) A23L 33/21 (2016.01) A23J 1/00 (2006.01) A23J 1/12 (2006.01) B01D 37/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING A PROTEIN AND FIBER FEED PRODUCT FROM A WHOLE STILLAGE BYPRODUCT PRODUCED IN A CORN DRY MILLING PROCESS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'UN PRODUIT D'ALIMENTATION DE PROTEINE ET DE FIBRE A PARTIR D'UN SOUS-PRODUIT DE DRECHES DE DISTILLERIE COMPLETES PRODUIT AU COURS D'UN PROCEDE DE BROYAGE A SEC DE MAIS**
[72] JAKEL, NEAL, US
[72] KWIK, JOHN, US
[71] FLUID QUIP TECHNOLOGIES, LLC, US
[22] 2022-05-06
[41] 2022-11-12
[30] US (63/187,453) 2021-05-12

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[13] A1
[51] **Int.Cl. C05F 3/06 (2006.01) A01C 3/00 (2006.01) C05F 3/00 (2006.01)**
[25] EN
[54] **MANURE NUTRIENT RECOVERY SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE RECUPERATION DES ELEMENTS NUTRITIFS DU FUMIER**
[72] SHIPMAKER, CHAD EMERY, CA
[72] MCCUTCHEON, JESSE KORD, CA
[72] MEIKLE, GRANT WARREN, CA
[72] MELNEY, KURT ALEXANDER, CA
[71] VALID MANUFACTURING LTD., CA
[22] 2022-05-06
[41] 2022-11-06
[30] US (63/185,191) 2021-05-06
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[51] **Int.Cl. E02D 9/02 (2006.01)**
[25] EN
[54] **PILE OVERSHOT AND CUTTING TOOL**
[54] **DEPASSEMENT DE PIEU ET OUTIL DE COUPE**
[72] MELNYCHYN, WADE, CA
[72] MARKOVIC, MILO, CA
[71] ASSET COMPLIANCE CORP., CA
[22] 2022-05-06
[41] 2022-11-06
[30] US (63/185,032) 2021-05-06

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[51] **Int.Cl. H04W 84/06 (2009.01) H04W 88/08 (2009.01) B64C 39/02 (2006.01) G08G 5/00 (2006.01) H04W 16/18 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSPORTABLE CELLULAR NETWORKS**
[54] **SYSTEMES ET METHODES POUR DES RESEAUX CELLULAIRES PORTATIFS**
[72] BHADURI, JOYDEEP, IN
[72] KUMAR, MADAN, IN
[72] RAJAGOPAL, SANDEEP, IN
[72] SAMBAMURTHI, RAMACHANDRAN, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2022-05-02
[41] 2022-11-10
[30] IN (202111021134) 2021-05-10

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[51] **Int.Cl. A61B 5/06 (2006.01) A61B 34/20 (2016.01) A61B 18/00 (2006.01) A61B 18/04 (2006.01) A61F 2/82 (2013.01) A61B 18/12 (2006.01)**
[25] EN
[54] **STENT APPARATUSES AND RELATED SYSTEMS AND METHODS FOR PROTECTION AND MAPPING OF BODILY TISSUES**
[54] **APPAREILS D'ENDOPROTHESES ET SYSTEMES ET METHODES CONNEXES POUR LA PROTECTION ET LA CARTOGRAPHIE DES TISSUS ORGANIQUES**
[72] HOBART, MICHAEL, CA
[72] KINNAIRD, ADAM, CA
[72] KINNAIRD, JAMES, CA
[71] HOBART, MICHAEL, CA
[71] KINNAIRD, ADAM, CA
[71] KINNAIRD, JAMES, CA
[22] 2022-05-06
[41] 2022-11-07
[30] US (63/185,722) 2021-05-07

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[51] **Int.Cl. A01D 34/84 (2006.01) A01G 3/00 (2006.01)**
[25] EN
[54] **POWER TOOL**
[54] **OUTIL ELECTRIQUE**
[72] SMITH, JOSHUA A., US
[72] BOYLES, TYLER, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-05-02
[41] 2022-11-10
[30] US (17/316,482) 2021-05-10

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[13] A1
[51] **Int.Cl. H02B 1/03 (2006.01) G01R 22/00 (2006.01)**
[25] EN
[54] **METER BLOCK ADAPTOR AND METHOD**
[54] **ADAPTATEUR DE POULIE COMPTEUSE ET METHODE**
[72] GILL, DAVID K., US
[71] E.J. BROOKS COMPANY D.B.A. BROOKS UTILITY PRODUCTS GROUP, US
[22] 2022-05-09
[41] 2022-11-12
[30] US (63/187571) 2021-05-12
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[51] **Int.Cl. B01D 33/06 (2006.01) B01D 33/11 (2006.01) B01D 33/48 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **EXTERNALLY FED SCREEN FOR FILTRATION**
[54] **TAMIS ALIMENTE PAR L'EXTERIEUR AUX FINS DE FILTRATION**
[72] MAUPIN, DANIEL D., US
[72] ZITTEL, JEFFREY S., US
[72] ZITTEL, DAVID R., US
[71] LYCO MANUFACTURING, INC., US
[22] 2022-05-09
[41] 2022-11-10
[30] US (17/316272) 2021-05-10

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[51] **Int.Cl. B60K 13/04 (2006.01) B60P 1/04 (2006.01) B60P 1/28 (2006.01)**
[25] EN
[54] **DUAL HEAT PATH BODY**
[54] **CARROSSERIE A DEUX VOIES THERMIQUES**
[72] REYNOLDS, FREDERICK J., US
[72] SOULE, WAYNE D., US
[71] AUSTIN ENGINEERING USA SERVICES, INC., US
[22] 2022-05-09
[41] 2022-11-10
[30] US (17/738,949) 2022-05-06
[30] US (63/186,460) 2021-05-10

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[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **MULTI-CYCLE COUNTER SYSTEM**
[54] **SYSTEME DE COMPTEUR MULTICYCLE**
[72] BRANDSDAL, VIGGO, NO
[72] VALESTRAND AASHEIM, GEIR, NO
[71] NINE DOWNHOLE TECHNOLOGIES, LLC, US
[22] 2022-05-10
[41] 2022-11-10
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[51] **Int.Cl. B01D 33/048 (2006.01) B01D 33/056 (2006.01)**
[25] EN
[54] **NON-METALLIC SEAL PLATE**
[54] **PLAQUE D'ETANCHEITE NON METALLIQUE**
[72] HERMAN, BRUCE, US
[72] TERRELL, LAWRENCE P., JR., US
[72] HEDIGER, ROBERT B., US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[22] 2022-05-10
[41] 2022-11-10
[30] US (63/186,238) 2021-05-10
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[13] A1
[51] **Int.Cl. B65F 3/24 (2006.01) B62D 33/03 (2006.01) B65F 3/16 (2006.01)**
[25] EN
[54] **EJECTOR ACTUATION OF REFUSE VEHICLE TAILGATE**
[54] **ACTIONNEMENT D'EJECTEUR DE HAYON DE VEHICULE A ORDURES**
[72] FRAAS, MARK, US
[72] PEEK, MICHAEL SHANE, US
[72] STEWART, BRYAN, US
[72] EVANS, ERIC, US
[71] THE HEIL CO., US
[22] 2022-05-11
[41] 2022-11-11
[30] US (63/187,086) 2021-05-11

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[13] A1
[51] **Int.Cl. B65F 3/24 (2006.01) B62D 33/027 (2006.01) B62D 33/037 (2006.01) B65F 3/00 (2006.01) B65F 3/14 (2006.01)**
[25] EN
[54] **TAILGATE ACTUATION SYSTEM FOR A REFUSE VEHICLE**
[54] **SYSTEME D'ACTIONNEMENT DE HAYON POUR UN VEHICULE A ORDURES**
[72] PEEK, MICHAEL SHANE, US
[72] YUDS, ANDREW J., US
[72] ECKERL, GARRETT J., US
[72] SHROFF, NITESH S., US
[71] THE HEIL CO., US
[22] 2022-05-11
[41] 2022-11-11
[30] US (63/187,080) 2021-05-11

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[13] A1
[51] **Int.Cl. G01N 33/52 (2006.01) A61B 10/00 (2006.01) C12Q 1/26 (2006.01) C12Q 1/54 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **METHOD, DEVICE, AND KIT FOR POPULATION SCREENING FOR CANCER, CANCER RECURRENCE AND PRECANCEROUS CONDITIONS IN SYMPTON-FREE INDIVIDUALS**
[54] **METHODE, DISPOSITIF ET TROUSSE DE DEPISTAGE COLLECTIF DU CANCER, DE LA RECURRENCE DU CANCER DES CONDITIONS PRECANCEREUSES CHEZ LES INDIVIDUS SANS SYMPTOMES**
[72] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[72] VANDERLINDEN, KIM, US
[71] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[71] VANDERLINDEN, KIM, US
[22] 2022-05-04
[41] 2022-11-07
[30] US (17/314,502) 2021-05-07

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[13] A1
[51] **Int.Cl. F02C 7/18 (2006.01) B64D 33/08 (2006.01) F01D 25/12 (2006.01) F02C 7/14 (2006.01) F28F 9/22 (2006.01)**
[25] FR
[54] **HEAT EXCHANGER DEVICE AND AIRCRAFT TURBOMACHINE WITH THE DEVICE**
[54] **DISPOSITIF D'ECHANGE DE CHALEUR ET TURBOMACHINE D'AERONEF AVEC LE DISPOSITIF**
[72] AYOUB, GILLES, BE
[72] WEICKER, DAVID, BE
[72] CARRE, ALEXANDRE, BE
[72] PRINCIVALLE, REMY HENRI PIERRE, BE
[71] SAFRAN AERO BOOSTERS, BE
[22] 2022-05-06
[41] 2022-11-06
[30] BE (BE2021/5368) 2021-05-06

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[13] A1
[51] **Int.Cl. A47G 29/14 (2006.01) A47G 29/12 (2006.01) E04F 17/12 (2006.01)**
[25] EN
[54] **PARCEL CHUTE FOR AN OUTER WALL OF A BUILDING OR AN ENCLOSURE OF A BALCONY, METHOD FOR DELIVERING A PARCEL USING AN UNMANNED AIRCRAFT AND FOR GUIDING THE PARCEL THROUGH A PARCEL CHUTE, OUTER WALL OF ABUILDING AND ENCLOSURE FOR A BALCONY OF A BUILDING**
[54] **CHUTE A COLIS POUR UN MUR EXTERIEUR DE BATIMENT OU UNE ENCEINTE DE BALCON, METHODE DE LIVRAISON D'UN COLIS AU MOYEN D'UN AERONEF SANS PILOTE ET DE GUIDAGE DU COLIS DANS LA CHUTE A COLIS, MUR EXTERIEUR DE BATIMENT ET ENCEINTE POUR BALCON D'UN BATIMENT**
[72] REINHARD, GUNTHER, DE
[72] FRITSCHI, HUBERT, DE
[71] SCHOCK BAUTEILE GMBH, DE
[22] 2022-05-05
[41] 2022-11-11
[30] DE (10 2021 112 296.1) 2021-05-11

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 72/14 (2009.01) H04W 74/00 (2009.01)**
[25] EN
[54] **RESELECTION OF TRANSMISSION CONFIGURATION**
[54] **RESELECTION D'UNE CONFIGURATION DE TRANSMISSION**
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL HEJAZI, US
[72] KIM, TAEHUN, US
[72] YI, YUNJUNG, US
[72] ZHOU, HUA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-05-06
[41] 2022-11-07
[30] US (63/185,938) 2021-05-07

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[13] A1
[51] **Int.Cl. G01N 25/18 (2006.01)**
[25] EN
[54] **MECHANICAL MOVEMENT AND PRESSURE FOR A THERMAL CONDUCTIVITY METER**
[54] **MOUVEMENT MECANIQUE ET PRESSION POUR UN COMPTEUR DE CONDUCTIVITE THERMIQUE**
[72] ORTEGA, GENARO, CA
[72] COPAGE, KEEGAN, CA
[72] BARNHILL MICHAEL, CA
[71] THERMTEST INC., CA
[22] 2022-05-11
[41] 2022-11-12
[30] US (63/187,727) 2021-05-12

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[13] A1
[51] **Int.Cl. B65D 73/00 (2006.01) B42D 15/02 (2006.01) B65D 75/54 (2006.01)**
[25] EN
[54] **INTEGRATED CARD AND GIFT PACKAGING WITH CARRIER**
[54] **CARTE INTEGREE ET EMBALLAGE CADEAU AVEC POCHETTE**
[72] GLINERT, KENNETH, US
[71] MULTI PACKAGING SOLUTIONS, INC., US
[22] 2022-05-11
[41] 2022-11-11
[30] US (17/316809) 2021-05-11

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[13] A1
[51] **Int.Cl. A01M 21/04 (2006.01) A01M 21/00 (2006.01) A01M 21/02 (2006.01)**
[25] EN
[54] **ROW CROP WEED KILLER APPARATUS**
[54] **APPAREIL A HERBICIDE DANS LES CULTURES EN RANGS**
[72] BEYEA, KYLE H., US
[71] BEYEA, KYLE H., US
[22] 2022-05-11
[41] 2022-11-12
[30] US (63/187.549) 2021-05-12
[30] US (63/188.147) 2021-05-13
[30] US (17/739,580) 2022-05-09

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[13] A1
[51] **Int.Cl. A01H 6/02 (2018.01) A23L 19/00 (2016.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/10 (2018.01) A01H 5/12 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **SPINACH HYBRID SVVC5883 AND PARENTS THEREOF**
[54] **CONCOMBRE HYBRIDE SVVC5883 ET PARENTS**
[72] MEEUWSEN, JOHN, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-05-09
[41] 2022-11-12
[30] US (17/318,860) 2021-05-12

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[13] A1
[51] **Int.Cl. B01D 35/06 (2006.01) C02F 1/48 (2006.01) E03C 1/02 (2006.01)**
[25] EN
[54] **MAGNETIC WATER FILTER ASSEMBLY**
[54] **ASSEMBLAGE DE FILTRE A EAU MAGNETIQUE**
[72] MASON, CHRISTOPHER W., US
[71] NIBCO INC., US
[22] 2022-05-11
[41] 2022-11-11
[30] US (63/186,898) 2021-05-11
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[54] **FRACTURING CONTROL EQUIPMENT AND CONTROL METHOD THEREFOR**
[54] **EQUIPEMENT DE COMMANDE DE FRACTURATION ET METHODE DE COMMANDE CONNEXE**
[72] WANG, KAI, CN
[72] LIU, WEIWEI, CN
[72] WANG, PENG, CN
[72] ZHANG, SONG, CN
[72] ZHANG, PENGYUAN, CN
[72] HUANG, ZHEN, CN
[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN
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[30] CN (202110515828.0) 2021-05-12

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[54] **SYSTEMS AND METHODS TO START A WELDING PROCESS**
[54] **SYSTEMES ET METHODES POUR ENTAMER UN PROCEDE DE SOUDAGE**
[72] MASSEY, STEVEN BLAIR, JR, US
[72] UECKER, JAMES LEE, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2022-05-11
[41] 2022-11-12
[30] US (63/187,720) 2021-05-12
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[54] **SOFT-CLOSE SPRAY HEAD FAUCET**
[54] **ROBINET PULVERISATEUR A FERMETURE SOUPLE**
[72] TRACY, ADAM WILLIAM, US
[72] BENSTEAD, EVAN, US
[71] SPECTRUM BRANDS, INC., US
[22] 2022-05-11
[41] 2022-11-12
[30] US (63/187,602) 2021-05-12

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[51] **Int.Cl. C08J 7/04 (2020.01) B29C 48/16 (2019.01) C09D 127/16 (2006.01) C09D 133/00 (2006.01)**
[25] EN
[54] **COATING SYSTEM AND METHOD**
[54] **METHODE ET SYSTEME DE REVETEMENT**
[72] PLAGEMANN, ROBERT P., US
[72] RAVINDRAN, NEENA, US
[71] TECTON PRODUCTS, LLC, US
[22] 2022-05-11
[41] 2022-11-12
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[54] **METHODS AND SYSTEMS FOR RESOLVING AUTOMATED TELLER MACHINE ERRORS**
[54] **METHODES ET SYSTEMES POUR RESOUDRE LES ERREURS DE GUICHET AUTOMATIQUE**
[72] CONNOLLY, TREVOR, US
[72] APPLEBY, MATTHEW, US
[72] CANDELA, KRISTI, US
[72] SIMPSON, DANIELLE, US
[72] WEDMORE, AMY, US
[72] RODRIGUEZ, ROBERTO, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-05-05
[41] 2022-11-07
[30] US (17/314,516) 2021-05-07

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[54] **ELECTRICAL PLUG WITH REPLACEABLE SURGE PROTECTOR**
[54] **BOUCHON ELECTRIQUE A LIMITEUR DE SURTENSION REMPLACABLE**
[72] WANG, YIQI, US
[72] LAUTENBACH, AARON G., US
[72] MARTUS, PAUL J., US
[72] VANDER TILL, GERALD N., US
[71] BYRNE, NORMAN R., US
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[54] **CUCUMBER HYBRID DRCE9615 AND PARENTS THEREOF**
[54] **CONCOMBRE HYBRIDE DRCE9615 ET PARENTS**
[72] CUKADAR, BELGIN, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
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[54] **VOIP AND NATIVE CARRIER CALL INTEGRATION**
[54] **INTEGRATION DES APPELS VOIP ET SUR RESEAU DE CABLODISTRIBUTEUR**
[72] PAPA, STEVEN PAUL, US
[72] MISHRA, RAJESH KUMAR, US
[72] AGARWAL, KAITKI, US
[71] PARALLEL WIRELESS, INC., US
[22] 2022-05-10
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[54] **MULTI-FUNCTION THREE-STAGE PRESSURE REGULATOR**
[54] **REGULATEUR DE PRESSION POLYVALENT A TROIS ETAGES**
[72] CARTER, STEPHEN A., US
[71] BAYOTECH, INC., US
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[54] **STIMULUS-BASED COLLABORATIVE FUNCTIONS FOR COMMUNICATION SYSTEMS**
[54] **FONCTIONS DE COOPERATION A BASE DE STIMULUS POUR LES SYSTEMES DE COMMUNICATION**
[72] BOOPALAN, RAJENDRAN, IN
[72] NAIDOO, LOGENDRA, CA
[71] MITEL NETWORKS CORPORATION, CA
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[25] EN
[54] **SOUND TRANSMISSION CONTROL IN CROSS LAMINATED TIMBER CONSTRUCTION**
[54] **CONTROLE DE LA TRANSMISSION SONORE DANS UNE CONSTRUCTION DE BOIS LAMELLE-CROISE**
[72] DOWNEY, PAUL CHARLES, CA
[72] BYRICK, WILSON, CA
[71] PLITEQ INC., CA
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[54] **SNOW TRACK FOR A SNOWMOBILE**
[54] **CHENILLE POUR MOTONEIGE**
[72] MICKELSON, JOSHUA J., US
[72] HEDLUND, MICHAEL A., US
[71] POLARIS INDUSTRIES INC., US
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[54] **BABY CARRIER DEVICE**
[54] **DISPOSITIF PORTE-BEBE**
[72] RANT, TAMARA EDLIN, US
[72] DEMARCO, ALISA, US
[71] TUSHBABY, INC., US
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[54] **ROWING MACHINE INCLUDING A GEAR SHIFT MECHANISM**
[54] **MACHINE A RAMER COMPRENANT UN MECANISME DE DERAILLEUR**
[72] LACIS, JANIS, LA
[71] LACIS, JANIS, LV
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[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR DETECTING AND TRACKING DRUG EXTRACTION**
[54] **SYSTEMES, DISPOSITIFS ET METHODES POUR DETECTER ET SUIVRE LE RETRAIT DE MEDICAMENTS**
[72] MOUSSEAU, GARY, CA
[72] BAWA, KARIMA, CA
[71] 3D BRIDGE SOLUTIONS INC., CA
[22] 2022-05-12
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[25] EN
[54] **METHOD FOR ESTIMATING LOAD BY ENERGY METER INCLUDING LOAD ESTIMATION MODEL BASED ON NEURAL NETWORK AND ENERGY METER USING THE SAME**
[54] **METHODE D'ESTIMATION D'UNE CHARGE PAR UN COMPTEUR D'ENERGIE COMPRENANT UN MODELE D'ESTIMATION DE CHARGE FONDE SUR LE RESEAU NEURONAL, ET COMPTEUR D'ENERGIE UTILISANT LA METHODE**
[72] AHN, HYUN KWON, KR
[72] AHN, TAE HYO, KR
[72] LEE, DONG HOON, KR
[72] KIM, HONG MO, KR
[71] STARKOFF CO., LTD., KR
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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64D 35/08 (2006.01) F02C 9/18 (2006.01) F02C 9/42 (2006.01)**
[25] EN
[54] **FAST ENGINE RE-START FOR MULTI-ENGINE SYSTEM AND METHOD**
[54] **REDEMARRAGE DE MOTEUR RAPIDE POUR UN SYSTEME MULTIMOTEUR ET METHODE**
[72] COUTU, DANIEL, CA
[72] BEAUCHESNE-MARTEL, PHILIPE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-14
[41] 2022-11-10
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[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 40/20 (2020.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROJECT AND PROGRAM MANAGEMENT USING ARTIFICIAL INTELLGENCE**
[54] **SYSTEMES ET METHODES POUR LA GESTION DE PROJET ET DE PROGRAMME AU MOYEN DE L'INTELLIGENCE ARTIFICIELLE**
[72] MUNIR, MUHAMMAD SHOAIB, CA
[71] MAVRYCK INC., CA
[22] 2022-08-10
[41] 2022-11-07

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[51] **Int.Cl. B65D 90/58 (2006.01) B60P 7/02 (2006.01) B65D 90/54 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **RETRACTABLE CONTAINER COVER**
[54] **COUVERCLE A CONTENANT RETRACTABLE**
[72] VIANO, JACOB H., US
[71] VIANO, JACOB H., US
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[25] EN
[54] **LIQUID PRESSURE REDUCING VALVE**
[54] **DETENDEUR DE PRESSION LIQUIDE**
[72] TAYLOR, DAVID BRIAN, GB
[71] POLYMER TECHNOLOGIES LIMITED, GB
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[25] EN
[54] **PEPTIDES TARGETING MACROPHAGES, AND CONJUGATES, COMPOSITIONS, AND USES THEREOF**
[54] **PEPTIDES CIBLANT LES MACROPHAGES ET CONJUGUES, COMPOSITIONS ET UTILISATIONS CONNEXES**
[72] BAE, HYUNSU, KR
[72] HAN, LK-HWAN, KR
[72] KANG, MOONKYU, KR
[72] CHOI, HONGSEO, KR
[72] CHOI, JEONGYOON, KR
[72] LEE, HEEKYUNG, KR
[71] TWINPIG BIOLAB, INC., KR
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[51] **Int.Cl. A61F 2/30 (2006.01) A61L 27/38 (2006.01) A61L 27/48 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **COMPOSITE IMPLANT FOR TOTAL MENISCUS RECONSTRUCTION**
[54] **IMPLANT COMPOSITE POUR LA RECONSTRUCTION TOTALE DU MENISQUE**
[72] DUNN, MICHAEL G., US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2022-04-26
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[87] (WO2021/092391)
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[54] **METHODS AND SYSTEM FOR AUTHORIZING A TRANSACTION RELATED TO A SELECTED PERSON**
[54]
[72] CALVIN, MICHAEL, US
[72] MARTIN, JOSEPH, US
[71] KINECTIFY, INC., US
[85] 2022-05-24
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[51] **Int.Cl. C04B 28/02 (2006.01) C04B 14/38 (2006.01) C04B 14/42 (2006.01) C04B 14/46 (2006.01) C04B 18/26 (2006.01)**
[25] EN
[54] **FIRE RESISTANT FIBRE CEMENT COMPOSITIONS**
[54]
[72] RINDER, TASSILO FOLKER, CH
[72] ZANDERS, CARSTEN, CH
[72] MILLON, OLIVER PETER GUNTER, CH
[71] SWISSPEARL GROUP AG, CH
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[51] **Int.Cl. A61L 2/14 (2006.01) A61L 9/22 (2006.01)**
[25] EN
[54] **GERMICIDAL PARTITION FOR DOORWAYS AND PORTALS**
[54] **SEPARATION GERMICIDE POUR PORTES ET PORTAILS**
[72] BLATE, ALEX, US
[72] FEURER, MATTHEW, US
[72] PLACE, TOM, US
[72] GOSS, GARRETT, US
[72] HOULGATE, GREG, US
[72] BENNETT, ANNA, US
[71] BLATE, ALEX, US
[71] FEURER, MATTHEW, US
[71] PLACE, TOM, US
[71] GOSS, GARRETT, US
[71] HOULGATE, GREG, US
[71] BENNETT, ANNA, US
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[30] US (63/005,124) 2020-04-03
[30] US (63/109,192) 2020-11-03
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[25] EN
[54] **RECOMBINANT MYXOMA VIRUSES AND USES THEREOF**
[54] **VIRUS MYXOMATEUX RECOMBINANTS ET LEURS UTILISATIONS**
[72] BARTEE, ERIC, US
[72] MOUSSES, SPYRO, US
[72] MORENO, RAMON, US
[71] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT D/B/A ZUCKER INSTITUTE FOR INNOVATION COMMERCIALIZATION, US
[71] UNM RAINFOREST INNOVATIONS, US
[71] SYSTEMS ONCOLOGY, LLC, US
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[54] **ACTIVATABLE ANTIGEN BINDING PROTEINS WITH UNIVERSAL MASKING MOIETIES**
[54] **PROTEINES DE LIAISON A UN ANTIGENE ACTIVABLES AVEC DES FRACTIONS DE MASQUAGE UNIVERSELLES**
[72] ZHANG, YANLIANG, US
[72] KAUFMANN, GUNNAR F., US
[72] PAI, CHIN-I, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2022-08-22
[86] 2021-02-24 (PCT/US2021/019331)
[87] (WO2021/173612)
[30] US (62/981,782) 2020-02-26

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/52 (2006.01) A61P 35/02 (2006.01) C07D 473/34 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING OR INHIBITING RECURRENCE OF ACUTE MYELOID LEUKEMIA**
[54] **COMPOSES POUR LE TRAITEMENT OU L'INHIBITION DE LA RECURRENCE D'UNE LEUCEMIE MYELOIDE AIGUE**
[72] SERRANO-WU, MICHAEL, US
[72] YE, ZHIXIONG, US
[72] DING, KEJIA, CN
[71] FLASH THERAPEUTICS, LLC, US
[85] 2022-08-22
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[87] (WO2021/188417)
[30] CN (PCT/CN2020/079464) 2020-03-16

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[25] EN
[54] **MACHINE-LEARNING TECHNIQUES TO GENERATE RECOMMENDATIONS FOR RISK MITIGATION**
[54] **TECHNIQUES D'APPRENTISSAGE MACHINE POUR GENERER DES RECOMMANDATIONS POUR UNE ATTENUATION DE RISQUE**
[72] JOSHUA, ALLAN, US
[72] MILLER, STEPHEN, US
[72] TURNER, MATTHEW, US
[72] JORDAN, LEWIS, US
[71] EQUIFAX INC., US
[85] 2022-08-22
[86] 2021-02-22 (PCT/US2021/019119)
[87] (WO2021/173501)
[30] US (62/981,718) 2020-02-26
[30] US (63/038,486) 2020-06-12

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[13] A1
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[25] EN
[54] **QUICK CONNECT SPRINKLER**
[54] **ARROSEUR A BRANCHEMENT RAPIDE**
[72] COGSWELL, JEREMY, US
[71] TYCO FIRE PRODUCTS LP, US
[85] 2022-08-22
[86] 2021-03-17 (PCT/IB2021/052246)
[87] (WO2021/186369)
[30] US (62/991,920) 2020-03-19

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[13] A1
[51] **Int.Cl. B60C 19/00 (2006.01)**
[25] EN
[54] **NON-HOOKE'S LAW SPRING CONSTANT SYSTEMS AND METHODS**
[54] **PROCEDES ET SYSTEMES A CONSTANTE D'ELASTICITE NE SATISFAISANT PAS A LA LOI DE HOOKE**
[72] KLOTZER, DANIEL, US
[71] KLOTZER, DANIEL, US
[85] 2022-08-22
[86] 2021-02-22 (PCT/US2021/019123)
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[30] US (62/979,439) 2020-02-22
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[51] **Int.Cl. C22C 38/52 (2006.01) C21D 8/00 (2006.01) C22C 38/44 (2006.01) C22C 38/50 (2006.01)**
[25] EN
[54] **HIGH FRACTURE TOUGHNESS, HIGH STRENGTH, PRECIPITATION HARDENABLE STAINLESS STEEL**
[54] **ACIER INOXYDABLE DURCISSABLE PAR PRECIPITATION A HAUTE RESISTANCE, A TENACITE ELEVEE A LA FRACTURE**
[72] ROTH, WESLEY T., US
[72] POLAR-ROSAS, ALBERTO O., US
[72] RICCI, ANDREA, IT
[72] FORSIK, STEPHANE A., US
[71] CRS HOLDINGS, LLC, US
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[25] EN
[54] **A FLUID DIVERTER TOOL, SYSTEM AND METHOD OF DIVERTING A FLUID FLOW IN A WELL**
[54] **OUTIL DE DEFLEXION DE LIQUIDE, SYSTEME ET PROCEDE DE DEFLEXION D'UN ECOULEMENT DE LIQUIDE DANS UN PUITS**
[72] IUELL, MARKUS, NO
[72] JENSEN, ROY INGE, NO
[72] OSTVOLD, ARNOLD, NO
[71] HYDRA SYSTEMS AS, NO
[85] 2022-08-22
[86] 2021-03-08 (PCT/NO2021/050059)
[87] (WO2021/182968)
[30] NO (20200284) 2020-03-09

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[51] **Int.Cl. A24B 15/10 (2006.01) A24B 15/30 (2006.01)**
[25] EN
[54] **BEADED TOBACCO MATERIAL AND RELATED METHOD OF MANUFACTURE**
[54] **MATERIAU DE TABAC SOUS FORME DE BILLES ET PROCEDE DE FABRICATION ASSOCIE**
[72] MCCLANAHAN, DAVID NEIL, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-08-22
[86] 2021-02-23 (PCT/IB2021/051528)
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[25] EN
[54] **COMPOUNDS FOR USE IN INFLAMMATORY CONDITIONS**
[54] **COMPOSES DESTINES A ETRE UTILISES EN CONDITIONS INFLAMMATOIRES**
[72] AVILES MARIN, PABLO, ES
[72] LOSADA GONZALEZ, ALEJANDRO, ES
[72] FERNANDEZ SOUSA-FARO, JOSE MARIA, ES
[72] FUDIO MUNOZ, SALVADOR, ES
[71] PHARMA MAR, S.A., ES
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[51] **Int.Cl. B61B 7/06 (2006.01)**
[25] EN
[54] **DRIVE UNIT FOR A SELF-DRIVING VEHICLE, SELF-DRIVING VEHICLE, SUPPORT STRUCTURE FOR SELF-DRIVING VEHICLES AND TRANSPORT SYSTEM**
[54] **UNITE D'ENTRAINEMENT POUR VEHICULE AUTONOME, VEHICULE AUTONOME, STRUCTURE DE SUPPORT POUR VEHICULES AUTONOMES ET SYSTEME DE TRANSPORT**
[72] STUKE, BERND, DE
[72] OHLHAFER, OLAF, DE
[72] JAEGLE, FELIX, DE
[72] LE HEN, GAEL, DE
[72] SICHAU, ADRIAN HEINRICH, DE
[71] ROBERT BOSCH GMBH, DE
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[51] **Int.Cl. A23L 3/3436 (2006.01) A23L 3/3463 (2006.01) B01J 20/28 (2006.01) B65D 81/26 (2006.01) B65D 81/28 (2006.01)**
[25] EN
[54] **DAUCUS-BASED COMPOSITIONS FOR OXYGEN MODIFIED PACKAGING**
[54] **COMPOSITIONS A BASE DE DAUCUS POUR EMBALLAGE MODIFIE PAR L'OXYGENE**
[72] PRATT, JASON, US
[72] BRYANT, MEGAN, US
[71] CSP TECHNOLOGIES, INC., US
[85] 2022-08-26
[86] 2021-03-05 (PCT/US2021/070237)
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[51] **Int.Cl. C07D 231/06 (2006.01)**
[25] EN
[54] **SOLID DISPERSIONS OF AMORPHOUS 3, 4-DIPHENYL-4, 5-DIHYDRO- 1H-PYRAZOLE DERIVATIVES, COMPOSITIONS COMPRISING THEM AND USES THEREOF AS CANNABINOID CB1 RECEPTOR INHIBITORS**
[54] **DISPERSIONS SOLIDES DE DERIVES DE 3,4-DIPHENYL-4,5-DIHYDRO-1H-PYRAZOLE AMORPHES, COMPOSITIONS LES COMPRENANT ET LEURS UTILISATIONS EN TANT QU'INHIBITEURS DU RECEPTEUR CANNABINOIDE CB**
[72] RAVENELLE, FRANCOIS, CA
[72] VALDES, NORELYS, CA
[72] BETANCOURT, AIMESTHER O., CA
[72] GOSSELIN, PATRICK, CA
[71] INVERSAGO PHARMA INC., CA
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[86] 2021-03-24 (PCT/CA2021/050385)
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[51] **Int.Cl. B60J 1/00 (2006.01) B29D 11/00 (2006.01) B32B 27/00 (2006.01) G02B 1/00 (2006.01)**
[25] EN
[54] **PROTECTIVE BARRIER FOR SAFETY GLAZING**
[54] **BARRIERE PROTECTRICE POUR VITRAGE DE SECURITE**
[72] WILSON, BART E., US
[72] WILSON, STEPHEN S., US
[72] WILSON, SETH, US
[71] RACING OPTICS, INC., US
[85] 2022-08-26
[86] 2021-03-02 (PCT/US2021/020421)
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[25] EN
[54] **CONSTRUCTION METHOD FOR UNDERWATER CONCRETE BLOCK STRUCTURE**
[54] **PROCEDE DE CONSTRUCTION POUR STRUCTURE SOUS-MARINE EN BLOCS DE BETON**
[72] KIM, SANG GI, KR
[71] YUJOO CO., LTD., KR
[85] 2022-08-26
[86] 2021-03-04 (PCT/KR2021/002662)
[87] (WO2021/182795)
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[51] **Int.Cl. B25B 15/04 (2006.01)**
[25] EN
[54] **MANUAL TOOL CAPABLE OF ACHIEVING BIDIRECTIONAL OUTPUT OF TORQUE**
[54] **OUTIL MANUEL PERMETTANT D'OBTENIR UNE SORTIE DE COUPLE BIDIRECTIONNELLE**
[72] LI, YUEMING, CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[71] RATCHET SOLUTIONS.INC., US
[85] 2022-08-26
[86] 2021-03-03 (PCT/CN2021/078888)
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[51] **Int.Cl. A61B 5/097 (2006.01) A61B 5/083 (2006.01) A61B 5/087 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COLLECTING A BREATH SAMPLE USING A METERING DEVICE**
[54] **APPAREIL ET PROCEDE PERMETTANT DE COLLECTER UN ECHANTILLON D'HALEINE A L'AIDE D'UN DISPOSITIF DE DOSAGE**
[72] PURVES, CHRISTOPHER QUENTIN, CA
[71] PICOMOLE INC., CA
[85] 2022-08-26
[86] 2021-01-28 (PCT/CA2021/050088)
[87] (WO2021/168541)
[30] US (16/805,142) 2020-02-28
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[25] EN
[54] **BUCKET FOR UNDERGROUND LOADING MACHINE**
[54] **GODET POUR MACHINE DE CHARGEMENT SOUTERRAIN**
[72] ALBERS, RILEY A., US
[71] CATERPILLAR UNDERGROUND MINING PTY. LTD., AU
[85] 2022-08-26
[86] 2021-03-05 (PCT/AU2021/050187)
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[30] US (16/810,268) 2020-03-05

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[51] **Int.Cl. A61B 5/097 (2006.01) A61B 5/087 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COLLECTING A BREATH SAMPLE USING AN AIR CIRCULATION SYSTEM**
[54] **APPAREIL ET PROCEDE DE COLLECTE D'UN ECHANTILLON D'HALEINE A L'AIDE D'UN SYSTEME DE CIRCULATION D'AIR**
[72] PURVES, CHRISTOPHER QUENTIN, CA
[71] PICOMOLE INC., CA
[85] 2022-08-26
[86] 2021-01-28 (PCT/CA2021/050089)
[87] (WO2021/168542)
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[51] **Int.Cl. H01R 33/00 (2006.01)**
[25] EN
[54] **RECESSING SMART QUICK CONNECT DEVICES**
[54] **DISPOSITIFS DE RACCORDEMENT RAPIDE INTELLIGENTS EVIDES**
[72] KOHEN, RAN ROLAND, US
[71] SKYX PLATFORMS CORP., US
[85] 2022-08-26
[86] 2021-03-01 (PCT/US2021/020233)
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[25] EN
[54] **CRYSTALLINE PSILACETIN DERIVATIVES**
[54] **DERIVES CRISTALLINS DE PSILACETINE**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[85] 2022-08-26
[86] 2021-03-18 (PCT/US2021/022942)
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[25] EN
[54] **APPARATUS AND METHOD FOR COLLECTING A BREATH SAMPLE USING A CONTAINER WITH CONTROLLABLE VOLUME**
[54] **APPAREIL ET PROCEDE DE COLLECTE D'UN ECHANTILLON D'AIR EXPIRE A L'AIDE D'UN RECIPIENT A VOLUME CONTROLABLE**
[72] PURVES, CHRISTOPHER QUENTIN, CA
[71] PICOMOLE INC., CA
[85] 2022-08-26
[86] 2021-01-28 (PCT/CA2021/050091)
[87] (WO2021/168544)
[30] US (16/805,142) 2020-02-28
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[51] **Int.Cl. G06F 3/01 (2006.01) G06T 19/00 (2011.01)**
[25] EN
[54] **COMPUTER ENHANCED MAINTENANCE SYSTEM**
[54] **SYSTEME DE MAINTENANCE AMELIORE PAR ORDINATEUR**
[72] GRAYDON, STUART, GB
[72] FORREST, PATRICK, GB
[71] SANDVIK LTD, GB
[85] 2022-08-26
[86] 2020-03-06 (PCT/EP2020/056034)
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[51] **Int.Cl. G01S 13/89 (2006.01) G01V 3/12 (2006.01)**
[25] EN
[54] **GROUND PENETRATING RADAR APPARATUS AND METHOD**
[54] **APPAREIL POUR GEORADAR ET PROCEDE**
[72] BUTT, STEPHEN DOUGLAS, CA
[72] CRAMM, ALLAN R., CA
[72] CARUANA, ANDREW, CA
[72] XIAO, YINGJIAN, CN
[72] ZIJIAN, LI, CA
[72] DE MOURA JR., JERONIMO, CA
[72] ALTDORFF, DANIEL, CA
[72] RAFIEI, RAMIN, CA
[71] NOVAMERA INC., CA
[85] 2022-08-26
[86] 2021-03-01 (PCT/CA2021/050262)
[87] (WO2021/168591)
[30] US (62/982,991) 2020-02-28

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[51] **Int.Cl. C08J 3/02 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **POLYMER DISPERSION SYSTEM**
[54] **SYSTEME DE DISPERSION DE POLYMERE**
[72] LIU, FANG FANG, CA
[72] LIU, SONGYIN, CA
[71] ZL EOR CHEMICALS LTD., CA
[85] 2022-08-26
[86] 2021-03-03 (PCT/CA2021/050281)
[87] (WO2021/174360)
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[51] **Int.Cl. G02F 1/163 (2006.01)**
[25] EN
[54] **DISPLAY CONSTRUCT FOR MEDIA PROJECTION AND WIRELESS CHARGING**
[54] **CONSTRUCTION D'AFFICHAGE POUR PROJECTION MULTIMEDIA ET CHARGE SANS FIL**
[72] MARTINSON, ROBERT MICHAEL, US
[72] SHEFFIELD, MATTHEW BURTON, US
[72] TRIKHA, NITESH, US
[72] SMITH, BRIAN LEE, US
[72] MUSTAFA, AHMED, US
[72] SARIN, AMIT, US
[72] NGUYEN, VINH N., US
[72] YOUNG, ANTHONY, US
[72] CHAN, CHEE YUNG, US
[72] ANTES, TODD DANIEL, US
[72] GHANTIWALA, NAYANA VASANT, US
[72] KAILASAM, SRIDHAR KARTHIK, US
[71] VIEW, INC., US
[85] 2022-08-29
[86] 2021-09-29 (PCT/US2021/052587)
[87] (WO2022/072454)
[30] US (PCT/US2020/053641) 2020-09-30
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[30] US (17/338,562) 2021-06-03
[30] US (17/083,128) 2020-10-28
[30] US (63/154,352) 2021-02-26
[30] US (63/170,245) 2021-04-02
[30] US (17/081,809) 2020-10-27
[30] US (63/211,400) 2021-06-16
[30] US (63/246,770) 2021-09-21
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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 31/14 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF IL-6/IL-6R ANTIBODIES AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ANTICORPS IL-6/IL-6R ET LEURS METHODES D'UTILISATION**
[72] SHAILUBHAI, KUNWAR, US
[72] CERRONE, GABRIELE, GB
[72] PALEJWALA, VASEEM A., US
[72] JACOB, JULES S., US
[71] TIZIANA LIFE SCIENCES PLC, GB
[85] 2022-08-29
[86] 2021-03-10 (PCT/EP2021/056113)
[87] (WO2021/180821)
[30] US (62/987,837) 2020-03-10
[30] US (63/006,612) 2020-04-07
[30] US (63/014,800) 2020-04-24

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[51] **Int.Cl. G05B 13/04 (2006.01) G05B 19/042 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **MODEL PREDICTIVE CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE PREDICTIVE DE MODELE**
[72] CHAREST-FINN, MEAGHAN, CA
[72] DUBAY, RICKEY, CA
[72] FINN, RYAN, CA
[71] UNIVERSITY OF NEW BRUNSWICK, CA
[85] 2022-08-29
[86] 2021-03-01 (PCT/CA2021/050261)
[87] (WO2021/168590)
[30] US (62/982,475) 2020-02-27

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[51] **Int.Cl. D21H 19/12 (2006.01) B65D 65/42 (2006.01) D21H 19/82 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **PACKAGING MATERIAL**
[54] **MATERIAU D'EMBALLAGE**
[72] FORTIN, LORI JEANNE, US
[72] RETZLAFF, ANA MICHEL, US
[72] BALLIET, ANDREW P., US
[72] KNAUF, GARY HAROLD, US
[71] GPCP IP HOLDINGS LLC, US
[85] 2022-08-29
[86] 2021-07-19 (PCT/IB2021/056519)
[87] (WO2022/018621)
[30] US (16/933,692) 2020-07-20

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER-ACCESSIBLE MEDIUM FOR AUTHENTICATION OF REWARDS INFORMATION**
[54] **SYSTEME, PROCEDE ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR AUTHENTIFICATION D'INFORMATIONS DE RECOMPENSES**
[72] KEY, KATE, US
[72] TAYLOR, KENNETH, US
[72] WATSON, MARK, US
[72] GOODSITT, JEREMY, US
[72] PHAM, VINCENT, US
[72] TRUONG, ANH, US
[72] WALTERS, AUSTIN, US
[72] ABAD, FARDIN ABDI TAGHI, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-08-29
[86] 2021-03-04 (PCT/US2021/020812)
[87] (WO2021/178629)
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[51] **Int.Cl. A61K 9/107 (2006.01) A61K 47/12 (2006.01) A61K 47/24 (2006.01)**
[25] EN
[54] **SUNFLOWER PHOSPHOLIPID COMPOSITION CONTAINING PHOSPHATIDYLCHOLINE**
[54] **COMPOSITION DE PHOSPHOLIPIDES DE TOURNESOL CONTENANT DE LA PHOSPHATIDYLCHOLINE**
[72] VAN HOOGEVEST, PETER, DE
[72] HEIDECKE, CHRISTOPH, DE
[71] LIPOID GMBH, DE
[85] 2022-08-29
[86] 2021-03-11 (PCT/EP2021/056187)
[87] (WO2021/180848)
[30] EP (20162785.8) 2020-03-12

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[13] A1
[51] **Int.Cl. A47K 10/38 (2006.01) B65H 18/28 (2006.01)**
[25] EN
[54] **COMPRESSED HOLLOW CORELESS RE-FORMABLE ROLL PRODUCTS**
[54] **PRODUITS EN ROULEAUX COMPRESSES, CREUX, SANS AME ET REFORMABLES**
[72] ROBINSON, DOUGLAS E., US
[72] KANG, REBECCA, US
[72] DARNICK, TIFFANY, US
[72] DAUL, THOMAS J., US
[71] GPCP IP HOLDINGS LLC, US
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[86] 2021-07-23 (PCT/IB2021/056665)
[87] (WO2022/038434)
[30] US (63/068,165) 2020-08-20
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[13] A1
[51] **Int.Cl. B32B 17/00 (2006.01) B60J 1/00 (2006.01) B61D 25/00 (2006.01)**
[25] FR
[54] **SYSTEM FOR FASTENING A SIDE GLAZING OF A MEANS OF TRANSPORT WITH A LOCK**
[54] **SYSTEME DE FIXATION D'UN VITRAGE LATERAL DE MOYEN DE TRANSPORT AVEC UN VERROU**
[72] GASTAL, GUILLAUME, PL
[72] BERTHOMME, EVELYNE, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-08-29
[86] 2021-02-24 (PCT/FR2021/050318)
[87] (WO2021/191517)
[30] FR (FR2002898) 2020-03-25

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[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **ORAL SOLID PREPARATIONS**
[54] **PREPARATIONS SOLIDES ORALES**
[72] HOHOKABE, MIYUKI, JP
[72] SUEHARA, TETSUYA, JP
[72] HARADA, KAZUKI, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-08-29
[86] 2021-03-03 (PCT/IB2021/000115)
[87] (WO2021/176273)
[30] JP (2020-037177) 2020-03-04

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **USP10 TARGETED SELF-DELIVERABLE SIRNA COMPOSITIONS AND METHODS FOR PREVENTING OR INHIBITING FIBROSIS AND/OR SCARRING**
[54] **COMPOSITIONS DE PETITS ARN INTERFERENTS AUTO-ADMINISTRABLES CIBLEES SUR L'USP10 ET METHODES ASSOCIEES POUR LA PREVENTION OU L'INHIBITION DE LA FIBROSE ET/OU LA CICATRISATION**
[72] BERNSTEIN, AUDREY, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSTIY OF NEW YORK, US
[85] 2022-08-29
[86] 2021-02-28 (PCT/US2021/020167)
[87] (WO2021/174171)
[30] US (62/983,233) 2020-02-28

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[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **CRYPTOGRAPHIC SYSTEMS AND METHODS FOR DEVELOPMENT OF POOLS OF RANDOM NUMBERS**
[54] **SYSTEMES CRYPTOGRAPHIQUES ET PROCEDES DE DEVELOPPEMENT DE GROUPES DE NOMBRES ALEATOIRES**
[72] ADAMS, MICHAEL DAVID, US
[71] 7TUNNELS INC., US
[85] 2022-08-29
[86] 2021-01-31 (PCT/US2021/015960)
[87] (WO2021/178083)
[30] US (62/983,935) 2020-03-02

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[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **LIQUID COOLING PLATE SUITABLE FOR LIQUID COOLING HEAT DISSIPATION OF ELECTRONIC DEVICE, AND HEAT DISSIPATION UNIT**
[54] **PLAQUE DE REFROIDISSEMENT DE LIQUIDE APPROPRIEE POUR LA DISSIPATION DE CHALEUR DE REFROIDISSEMENT PAR LIQUIDE D'UN DISPOSITIF ELECTRONIQUE, ET UNITE DE DISSIPATION DE CHALEUR**
[72] CHEN, QIAN, CN
[72] LIU, FANGYU, CN
[72] GAO, YANG, CN
[72] WU, YUEFENG, CN
[72] NING, HONGYAN, CN
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
[85] 2022-08-29
[86] 2021-04-25 (PCT/CN2021/089655)
[87] (WO2021/227846)
[30] CN (202020778277.8) 2020-05-12

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[13] A1
[51] **Int.Cl. B60L 13/04 (2006.01) B60L 13/06 (2006.01)**
[25] EN
[54] **MAGLEV SUPERVISORY CONTROL ARCHITECTURE**
[54] **ARCHITECTURE DE COMMANDE DE SURVEILLANCE A LEVITATION MAGNETIQUE**
[72] ELLIS, ANDREW MICHAEL, CA
[72] KLIM, GRAEME PETER ARTHUR, FR
[72] MAZOUE, THIBAUD, FR
[71] SAFRAN LANDING SYSTEMS, FR
[71] SAFRAN LANDING SYSTEMS CANADA INC., CA
[85] 2022-08-29
[86] 2021-02-22 (PCT/IB2021/051465)
[87] (WO2021/171159)
[30] US (16/804,441) 2020-02-28

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[51] **Int.Cl. F24S 10/70 (2018.01) F24S 50/40 (2018.01)**
[25] EN
[54] **A SYSTEM FOR EXTRACTING THERMAL ENERGY**
[54] **SYSTEME D'EXTRACTION D'ENERGIE THERMIQUE**
[72] SCHWERTNER, HEIKO, CH
[71] LOGIC IP AG, CH
[85] 2022-08-29
[86] 2020-03-05 (PCT/EP2020/055808)
[87] (WO2021/175424)

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[13] A1
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[25] EN
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[54] **TENSIOACTIFS POUR PRODUITS AGRICOLES**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **THERAPEUTIC AGENTS AND CONJUGATES THEREOF**
[54] **AGENTS THERAPEUTIQUES ET LEUR CONJUGUES**
[72] LI, ANRONG, US
[72] LI, HUI, US
[72] LI, XIANFENG, US
[72] YANG, JUNBAO, US
[72] SONG, YUNTAO, US
[71] BEIJING XUANYI PHARMASCIENCES CO., LTD., CN
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[54] **TEST DE LA COVID-19 AMELIORE DU CDI**
[72] ZHAO, YANAN, US
[72] PERLIN, DAVID S., US
[72] PARK, STEVEN, US
[71] HACKENSACK MERIDIAN HEALTH, INC., US
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[30] US (17/100,289) 2020-11-20
[30] US (62/989,967) 2020-03-16

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[54] **HERBICIDAL PHENYLURACILS**
[54] **PHENYLURACILES HERBICIDES**
[72] SOUILLART, LAETITIA, DE
[72] SEISER, TOBIAS, DE
[72] PETKOVA, DESISLAVA SLAVCHEVA, DE
[72] WITSCHEL, MATTHIAS, DE
[72] PARRA RAPADO, LILIANA, DE
[71] BASF SE, DE
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[54] **APPARATUS FOR SAMPLING OR GRIPPING BY MEANS OF A DEFORMABLE TOOL**
[54] **APPAREIL DE PRELEVEMENT OU DE SAISIE AU MOYEN D'UN OUTIL DEFORMABLE**
[72] ESCOFFIER, CEDRIC, FR
[71] ORANO DS - DEMANTELEMENT ET SERVICES, FR
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[54] **SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS COSMETIQUES ET DE SOINS PERSONNELS**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF ORNITHINE TRANSCARBAMYLASE DEFICIENCY**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'UNE DEFICIENCE EN ORNITHINE TRANSCARBAMYLASE**
[72] CHIVUKULA, PADMANABH, US
[72] KARMALI, PRIYA PRAKASH, US
[72] TACHIKAWA, KIYOSHI, US
[72] PARKER, SUEZANNE E., US
[72] SABLAD, MARCIANO RODRIGUEZ, US
[72] LIMPHONG, PATTRARANEE, US
[72] BAO, YANJIE, US
[72] VEGA, JEREL BOYD LEE, US
[71] ARCTURUS THERAPEUTICS, INC., US
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[86] 2021-03-03 (PCT/US2021/020634)
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[54] **SURFACTANTS FOR OIL AND GAS PRODUCTION**
[54] **TENSIOACTIFS POUR LA PRODUCTION D'HUILE ET DE GAZ**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **METHODS FOR SPIRITS REFINING**
[54] **PROCEDES DE RAFFINAGE DE SPIRITUEUX**
[72] JANOUSEK, MARTIN, US
[72] SPITZER, JORDAN, US
[72] BALLANTINE, ARNE, US
[72] KAPOOR, SANJIV, US
[72] BALLANTINE, PARKE, US
[72] AARON, STUART, US
[71] BESPOKEN SPIRITS, INC., US
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[54] **CARTRIDGE STRUCTURE**
[54] **STRUCTURE DE CARTOUCHE**
[72] JANOUSEK, MARTIN, US
[72] BALLANTINE, ARNE, US
[72] LORINCZ, THOMAS, US
[71] BESPOKEN SPIRITS, INC., US
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[54] **HEPARIN AND N-ACETYLCYSTEINE FOR THE TREATMENT OF A RESPIRATORY VIRUS**
[54] **HEPARINE ET N-ACETYLCYSTEINE POUR LE TRAITEMENT D'UN VIRUS RESPIRATOIRE**
[72] QUAY, STEVEN C., US
[71] ATOSSA THERAPEUTICS, INC., US
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[54] **SYSTEMS AND METHODS FOR REFINING SPIRITS**
[54] **SYSTEMES ET PROCEDES DE RAFFINAGE DE SPIRITUEUX**
[72] JANOUSEK, MARTIN, US
[72] SPITZER, JORDAN, US
[72] BALLANTINE, ARNE, US
[72] KAPOOR, SANJIV, US
[71] BESPOKEN SPIRITS, INC., US
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[54] **COMBINATIONS OF BETA-LACTAM COMPOUNDS, PROBENECID, AND VALPROIC ACID AND USES THEREOF**
[54] **ASSOCIATIONS DE COMPOSES DE BETA-LACTAME, DE PROBENECIDE ET D'ACIDE VALPROIQUE ET LEURS UTILISATIONS**
[72] DUNNE, MICHAEL, US
[71] ITERUM THERAPEUTICS INTERNATIONAL LIMITED, IE
[85] 2022-08-29
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[54] **PHARMACEUTICAL LIQUID COMPOSITION HAVING INCREASED STABILITY**
[54]
[72] KIM, MI GYEONG, KR
[72] LEE, SEUNG HA, KR
[72] KIM, HAN SOO, KR
[72] KIM, IN AE, KR
[72] LEE, NA YOUNG, KR
[72] KIM, SOO SHIN, KR
[72] KIM, JI HYUN, KR
[71] SAMSUNG BIOEPIS CO., LTD., KR
[85] 2022-08-29
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[54] **PREDICTION OF RISK OF PRE-ECLAMPSIA**
[54] **PREDICTION D'UN RISQUE DE PREECLAMPSIE**
[72] TUYTTEN, ROBIN, IE
[71] METABOLOMIC DIAGNOSTICS LIMITED, IE
[85] 2022-08-29
[86] 2021-03-01 (PCT/EP2021/055085)
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[54] **TUMOR IMMUNE ENHANCER, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **ACTIVATEUR IMMUNITAIRE TUMORAL, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] DENG, LI, CN
[72] CHEN, SHUXIAN, CN
[72] QU, XIUXIA, CN
[72] GONG, XIAOHAI, CN
[71] WUXI PLB THERAPEUTICS TECHNOLOGY LIMITED. CO, CN
[85] 2022-08-29
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[54] **MODIFIED MAMMALIAN CELLS HAVING REDUCED HOST CELL PROTEINS**
[54] **CELLULES DE MAMMIFERE MODIFIEES**
[72] LAIRD, MICHAEL WILSON, US
[72] MISAGHI, SHAHRAM, US
[72] SHEN, AMY, US
[72] TOMLINSON, ANTHONY, US
[72] YUK, INN HUAM, US
[71] GENENTECH, INC., US
[85] 2022-08-29
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[30] US (63/000,464) 2020-03-26
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[25] EN
[54] **HEATING ELEMENTS FOR AN AEROSOL GENERATING DEVICE**
[54] **ELEMENTS CHAUFFANTS POUR DISPOSITIF DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-08-29
[86] 2021-05-26 (PCT/IB2021/054576)
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[54] **ANTI-CD137 CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS ANTI-CD137 ET UTILISATIONS CONNEXES**
[72] XUE, JIE, CN
[72] JIANG, WEI-DONG, CN
[72] XU, WENFENG, CN
[72] FENG, WEIJUN, CN
[71] SHANGHAI HENLIUS BIOTECH, INC., CN
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[86] 2021-02-26 (PCT/CN2021/078055)
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[54] **CANCER CLASSIFICATION WITH GENOMIC REGION MODELING**
[54] **CLASSIFICATION DU CANCER AVEC MODELISATION DE REGION GENOMIQUE**
[72] GROSS, SAMUEL S., US
[72] NEWMAN, JOSHUA, US
[72] NICULA, VIRGIL, US
[71] GRAIL, INC., US
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[54] **TREATMENT METHOD FOR BATTERY WASTE**
[54]
[72] MIYANAGA, HIROSHI, JP
[72] HAGA, YASUFUMI, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
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[86] 2022-02-21 (PCT/JP2022/007001)
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[54] **PROGNOSTIC PATHWAYS FOR HIGH RISK SEPSIS PATIENTS**
[54] **VOIES DE PRONOSTIC POUR PATIENTS A HAUT RISQUE DE SEPSIS**
[72] BOUWMAN, WILBERT HENDRIK, NL
[72] VAN DE STOLPE, ANJA, NL
[71] INNOSIGN B.V., NL
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[54] **IMPLANT SYSTEM AND METHOD FOR JOINT FUSION**
[54] **SYSTEME D'IMPLANT ET PROCEDE POUR LA FUSION DES ARTICULATIONS**
[72] FANG, SAMUEL, US
[72] ROBERTS, KEVIN G., US
[71] ORTHOFIX US LLC, US
[85] 2022-08-29
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[54] **SYSTEME DE SURVIE AUTOMATISE PORTABLE A ADAPTATION DYNAMIQUE**
[72] KNAFOU, DANNY, IL
[72] LEVIN, CHANOCH, IL
[71] CPR ROBOTICS LTD., IL
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[86] 2021-03-02 (PCT/IL2021/050235)
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[54] **OPHTHALMIC LENSES HAVING AN EXTENDED DEPTH OF FOCUS FOR IMPROVING INTERMEDIATE VISION**
[54] **LENTILLES OPHTALMIQUES AYANT UNE PROFONDEUR DE FOYER ETENDUE POUR AMELIORER LA VISION INTERMEDIAIRE**
[72] CHOI, MYOUNG-TAEK, US
[72] LEE, SHINWOOK, US
[72] LEE, SANGYEOL, US
[72] LEE, WANGKUEN, US
[71] ALCON INC., CH
[85] 2022-08-29
[86] 2021-04-15 (PCT/IB2021/053128)
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[25] EN
[54] **METHODS FOR REHABILITATING HEART FAILURE USING GENE THERAPY**
[54] **PROCEDES DE REEDUCATION D'UNE INSUFFISANCE CARDIAQUE A L'AIDE D'UNE THERAPIE GENIQUE**
[72] HONG, TINGTING, US
[72] SHAW, ROBIN MARK, US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
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[25] EN
[54] **METHOD FOR PRODUCING A MULTILAYERED COATED FOOD PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT ALIMENTAIRE ENROBE MULTICOUCHE**
[72] BECERRA ANDRADE, EMMANUEL, MX
[72] CARIDIS, ANDREW ANTHONY, US
[71] HEAT AND CONTROL, INC., US
[85] 2022-08-29
[86] 2021-04-21 (PCT/IB2021/053310)
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[54] **FULL FACE RESPIRATORY MASK**
[54] **MASQUE RESPIRATOIRE POUR TOUT LE VISAGE**
[72] ARANIBAR CAMPO, LUIS ENRIQUE, CO
[72] AREIZA FRIERI, PRISCILA, CO
[72] ARIZA ZULUAGA, MANUEL ALEJANDRO, CO
[72] CASTANO BUSTOS, JUAN DAVID, CO
[72] GAMEZ SANCHEZ, CHRISTIAN CAMILO, CO
[72] HERNANDEZ CORREDOR, JULIAN, CO
[72] PEREZ AVELLA, DAVID LEONARDO, CO
[72] VELASCO PENA, LEONARDO ALEXANDER, CO
[72] GOMEZ CORTES, CAMILO ENRIQUE, CO
[71] CORPORACION DE CIENCIA Y TECNOLOGIA PARA EL DESARROLLO DE LA INDUSTRIA NAVAL, MARITIMA Y FLUVIAL - COTECMAR, CO
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[86] 2021-07-30 (PCT/CO2021/000006)
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[54] **ENVIRONMENTAL ADJUSTMENT USING ARTIFICIAL INTELLIGENCE**
[54] **AJUSTEMENT ENVIRONNEMENTAL A L'AIDE D'INTELLIGENCE ARTIFICIELLE**
[72] MALIK, AJAY, US
[72] LU, MINGZHU, US
[72] EBRAHIMI, KEIVAN, US
[72] CANDANEDO IBARRA, LUIS MIGUEL, US
[72] NAYAK, BHABANI SANKAR, US
[72] GUPTA, ANURAG, US
[72] TRIKHA, NITESH, US
[72] TINIANOV, BRANDON DILLAN, US
[72] DAYAL, ADITYA, US
[71] VIEW, INC., US
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[54] **COMPOSITION D'ELASTOMERE THERMOPLASTIQUE, ARTICLE MOULE, ET STRUCTURE STRATIFIEE AINSI QUE PROCEDE DE FABRICATION DE CELLE-CI**
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[72] HIRAKATA, SHUTARO, JP
[72] ONO, TOMOHIRO, JP
[71] KURARAY CO., LTD., JP
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[54] **RACCORD DE TUYAUTERIE**
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[54] **CONICAL HEATING ELEMENT FOR ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **ELEMENT CHAUFFANT CONIQUE POUR SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
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[54] **COMPONENT UPDATES IN A MULTI COMPONENT NETWORK**
[54] **MISES A JOUR DE COMPOSANTS DANS UN RESEAU A COMPOSANTS MULTIPLES**
[72] TAI, DANIEL DAH, US
[72] VANGATI, MAHENDER REDDY, US
[72] PHAM, DARREL Q., US
[72] FOX, RALPH DONALD, US
[72] LEE, SHIH-CHIEH, US
[72] PETERSON, TYLER ELIOT, US
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[54] **PROCEDE ET INSTALLATION DE PRODUCTION DE TABAC RECONSTITUE**
[72] GRANZOTTO, GIANFRANCO, IT
[71] COMAS - COSTRUZIONI MACCHINE SPECIALI - S.P.A., IT
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[54] **CONSTRUCTION ANTI-CD137 ET SON UTILISATION**
[72] XUE, JIE, CN
[72] JIANG, WEI-DONG, CN
[72] XU, WENFENG, CN
[71] SHANGHAI HENLIUS BIOTECH, INC., CN
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[54] **ACCOUPLEMENT FLUIDIQUE NON METALLIQUE**
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[71] ADEL WIGGINS GROUP, A DIVISION OF TRANSDIGM INC., US
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[54] **ANTI-CD137 CONSTRUCTS, MULTISPECIFIC ANTIBODY AND USES THEREOF**
[54] **CONSTRUCTIONS ANTI-CD137, ANTICORPS MULTISPECIFIQUE ET LEURS UTILISATIONS**
[72] XUE, JIE, CN
[72] JIANG, WEI-DONG, CN
[72] XU, WENFENG, CN
[72] FENG, WEIJUN, CN
[71] SHANGHAI HENLIUS BIOTECH, INC., CN
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[54] **METHODS OF USING RHO KINASE INHIBITORS TO TREAT FRONTOTEMPORAL DEMENTIA**
[54] **METHODES D'UTILISATION D'INHIBITEURS DE LA KINASE ASSOCIEE A RHO POUR TRAITER LA DEMENCE FRONTO-TEMPORALE**
[72] MACALLISTER, THOMAS, US
[72] JACOBSON, SVEN, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
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[86] 2021-01-08 (PCT/US2021/012582)
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[54] **CPG-FREE ITRS FOR AAV GENE THERAPY**
[54] **ITR DEPOURVUES DE CPG POUR THERAPIE GENIQUE AAV**
[72] DUAN, DONGSHENG, US
[72] PAN, XIUFANG, US
[72] YUE, YONGPING, US
[71] THE CURATORS OF THE UNIVSERITY OF MISSOURI, US
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[54] **STORAGE UNIT WITH SUPPORT CRADLE**
[54] **UNITE DE STOCKAGE DOTEE D'UN BERCEAU DE SUPPORT**
[72] KOEFELDA, GERALD, US
[72] SPADAVECCHIA, JOHN, US
[71] KELLY, DANIEL, US
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[54] **SYSTEMES DE DISTRIBUTION ET LEURS PROCEDES DE FABRICATION**
[72] YANEZ, IGNACIO SUAREZ, GB
[72] DAVIES, IANTO, GB
[72] KURDOGHLEE, ZOHAL, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
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[54] **APPARATUS FOR AN AEROSOL GENERATING DEVICE**
[54] **APPAREIL POUR DISPOSITIF DE GENERATION D'AEROSOL**
[72] MOLONEY, PATRICK, GB
[72] KORUS, ANTON, GB
[72] CHAN, JUSTIN HAN YANG, GB
[71] NICOVENTURES TRADING LIMITED, GB
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[54] **MULTIMERIC T-CELL MODULATORY POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES MULTIMERES MODULATEURS DE LYMPHOCYTES T ET LEURS METHODES D'UTILISATION**
[72] CEMERSKI, SASO, US
[72] SEIDEL, RONALD D., III, US
[72] CHAPARRO, RODOLFO J., US
[72] ROSS, JOHN F., US
[71] CUE BIOPHARMA, INC., US
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[54] **CONTROLEUR DE JEU POUR UN DISPOSITIF MOBILE DOTE D'UN ELEMENT DE MAINTIEN EN POSITION OUVERTE**
[72] KHAIRA, MANEET SINGH, US
[72] SHIRATA, ATSUSHI, US
[72] DRANSART, FRANCOIS PIERRE RENE, US
[72] CERNY, GREGORY ROBERT, US
[72] WANG, WEI-JUN, US
[72] LAKE, JON, US
[71] BACKBONE LABS, INC., US
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[54] **PROTECTIVE ANTIMICROBIAL SYSTEM**
[54] **SYSTEME ANTIMICROBIEN DE PROTECTION**
[72] CURRIER, MICHAEL R., US
[72] CURRIER, MATTHEW M., US
[72] CURRIER, SARAH A., US
[72] CURRIER, ROBERT T., US
[71] PERFORMANCE CHEMICALS, LLC, US
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[54] **METHODS FOR ASSEMBLING NUCLEIC ACIDS**
[54] **PROCEDES POUR L'ASSEMBLAGE D'ACIDES NUCLEIQUES**
[72] GILL, JOHN E., US
[72] FU, LIXIA, US
[72] GIBSON, DANIEL G., US
[71] CODEX DNA, INC., US
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[54] **COMPOSITION PHARMACEUTIQUE ET METHODE D'INDUCTION D'UNE REPONSE IMMUNITAIRE**
[72] PAPASOTIRIOU, IOANNIS, CH
[71] R.G.C.C. HOLDINGS AG, CH
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[13] A1
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[25] EN
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[54] **EXTRACTION DE PALIER D'UN PRESSE-ETOUPE D'UN DISPOSITIF MECANIQUE ROTATIF**
[72] MONAHAN, THOMAS, US
[72] HUARD, MICHAEL, US
[71] SEAL-RYT CORP., US
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[51] **Int.Cl. C07C 5/333 (2006.01) C07C 11/06 (2006.01) C10G 35/06 (2006.01) C10G 35/14 (2006.01)**
[25] EN
[54] **PROCESSES FOR UPGRADING ALKANES AND ALKYL AROMATIC HYDROCARBONS**
[54] **PROCEDES DE VALORISATION D'ALCANES ET D'HYDROCARBURES AROMATIQUES ALKYLIQUES**
[72] BAO, XIAOYING, US
[72] COLEMAN, JOHN S., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
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[30] US (62/986,229) 2020-03-06
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[13] A1
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[25] FR
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[54] **SYSTEME DE PROPULSION ELECTRIQUE AMOVIBLE POUR UN OBJET ROULANT COMPRENANT UN DISPOSITIF D'ASSISE PLIABLE**
[72] VENTURI, STEPHANE, FR
[72] LECOINTE, BERTRAND, FR
[71] IFP ENERGIES NOUVELLES, FR
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[25] EN
[54] **ORTHOPEDIC IMPLANTS AND INSTRUMENTS FOR DELIVERING THE SAME**
[54] **IMPLANTS ORTHOPEDIQUES ET INSTRUMENTS POUR LEUR POSE**
[72] CHAMPAGNE, LLOYD P., US
[72] ZOLDOS, JOZEF, US
[72] EHMKE, LARRY, US
[72] ZWOLINSKI, MICHAEL, US
[71] EXSOMED CORPORATION, US
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[54] **DISPOSITIF DE DETECTION POUR DETECTION DE POSITION D'OBJET MOBILE**
[72] SIEGELIN, STEFFEN, DE
[71] FRAMATOME GMBH, DE
[85] 2022-08-30
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[25] EN
[54] **CONDITIONING REGIMEN FOR TRANSPLANT**
[54] **REGIME DE CONDITIONNEMENT POUR TRANSPLANTATION**
[72] BOCKERMANN, ROBERT, SE
[72] ROBERTSON, ANNA-KARIN LOUISE, SE
[72] LIN, JIAXIN, CA
[72] ANDERSON, COLIN CHARLES, CA
[71] HANSA BIOPHARMA AB, SE
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[87] (WO2021/175914)
[30] GB (2003129.0) 2020-03-04

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[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/39 (2006.01) A61K 8/41 (2006.01) A61K 8/44 (2006.01) A61Q 17/00 (2006.01) A61Q 19/10 (2006.01)**
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[54] **DISINFECTANT COMPOSITIONS**
[54] **COMPOSITIONS DESINFECTANTES**
[72] CLARKE, JAMES, GB
[72] SHAW, NEIL SCOTT, GB
[72] PAMBOU, ELIAS, GB
[72] NIGHTINGALE, AARON THOMAS ARNOLD, GB
[72] JACKSON, RACHEL EMILY, GB
[72] WILLETT, JAMES DAVID, GB
[71] ARCH UK BIOCIDES LTD, GB
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[87] (WO2021/191413)
[30] EP (20166072.7) 2020-03-26
[30] EP (20217019.7) 2020-12-23

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[13] A1
[51] **Int.Cl. C09K 8/22 (2006.01)**
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[54] **MODIFIED GRAPHENE SHALE INHIBITORS**
[54] **INHIBITEURS DE SCHISTE ARGILEUX A BASE DE GRAPHENE MODIFIE**
[72] SALEH, TAWFIK ABDO, SA
[72] AL-ARFAJ, MOHAMMED KHALID, SA
[72] RANA, AZEEM A., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] KING FAHAD UNIVERSITY OF PETROLEUM & MINERALS, SA
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[87] (WO2021/177985)
[30] US (16/806,804) 2020-03-02

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[25] EN
[54] **NICOTINAMIDE MONONUCLEOTIDE DERIVATIVES FOR THE TREATMENT OF ARRHYTHMIA**
[54] **DERIVES DE NICOTINAMIDE MONONUCLEOTIDE ET DE BIS-NICOTINAMIDE DINUCLEOTIDE POUR LE TRAITEMENT DE L'ARYTHMIE**
[72] GARCON, LAURENT, CH
[72] BERMOND, GUILLAUME, CH
[71] NUVAMID SA, CH
[85] 2022-08-30
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[87] (WO2021/176093)
[30] FR (FR2002267) 2020-03-06

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[13] A1
[51] **Int.Cl. A63B 21/075 (2006.01) A63B 23/12 (2006.01)**
[25] EN
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[54] **HALTERE REGLABLE**
[72] OLLIVIER, JOAL, CA
[71] OLLIVIER, JOAL, CA
[85] 2022-08-30
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[87] (3170033)

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[51] **Int.Cl. H04L 5/00 (2006.01) H04L 25/02 (2006.01) H04L 25/03 (2006.01) H04L 25/06 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **REFERENCE SIGNAL CHANNEL ESTIMATION**
[54] **ESTIMATION DE CANAL DE SIGNAL DE REFERENCE**
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[72] CHEN, JINGHU, US
[72] JIANG, JING, US
[72] KADOUS, TAMER ADEL, US
[72] ZHAO, WANLUN, US
[71] XCOM LABS, INC., US
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[86] 2021-03-23 (PCT/US2021/023598)
[87] (WO2021/202159)
[30] US (16/836,668) 2020-03-31

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[13] A1
[51] **Int.Cl. F16C 7/06 (2006.01) F16B 7/04 (2006.01) F16B 7/18 (2006.01) F16B 7/20 (2006.01)**
[25] EN
[54] **ROD END WITH LOCKING DEVICE FOR STRUTS**
[54] **EXTREMITE DE TIGE AVEC DISPOSITIF DE VERROUILLAGE POUR ENTRETOISES**
[72] FUNCK, RALPH, DE
[72] WELSCH, MARTIN, DE
[72] WIELAND, ALEXANDER, DE
[71] ALBANY ENGINEERED COMPOSITES, INC., US
[85] 2022-08-30
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[30] US (63/007,739) 2020-04-09

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[13] A1
[51] **Int.Cl. F02F 1/04 (2006.01) F02F 1/16 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR AN INTERNAL COMBUSTION ENGINE AND METHOD FOR COOLING SUCH AN ARRANGEMENT**
[54] **AGENCEMENT POUR UN MOTEUR A COMBUSTION INTERNE ET PROCEDE DE REFROIDISSEMENT D'UN TEL AGENCEMENT**
[72] BECKER, FLORIAN, AT
[71] INNIO JENBACHER GMBH & CO OG, AT
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[13] A1
[51] **Int.Cl. B07B 1/12 (2006.01) B07B 9/00 (2006.01) B09B 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING LINEAR OBJECTS, DEVICE FOR REMOVING LINEAR OBJECTS, AND METHOD FOR PROCESSING ELECTRONIC/ELECTRICAL EQUIPMENT COMPONENT WASTE**
[54] **METHODE ET DISPOSITIF POUR ELIMINER DES OBJETS LINEAIRES, ET METHODE POUR TRAITER DES DECHETS DE COMPOSANTS ELECTRIQUES ET MATERIEL ELECTRIQUE**
[72] AOKI, KATSUSHI, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
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[86] 2021-03-03 (PCT/JP2021/008282)
[87] (WO2021/177381)
[30] JP (2020-036167) 2020-03-03

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[54] **MULTI-TIERED PARCEL SORTATION SYSTEM**
[54] **SYSTEME DE TRI DE COLIS A PLUSIEURS NIVEAUX**
[72] BELL, JULIAN LELAND, US
[72] BROWN, GREGORY CASANOVA, US
[72] WOODROUGH, STEPHENS, US
[72] DRAKE, DAMEION TERES, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[30] US (63/002,846) 2020-03-31
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[54] **HAIR DRYER**
[54] **SECHE-CHEVEUX**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
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[25] EN
[54] **VACCINE AGAINST AFRICAN SWINE FEVER VIRUS INFECTION**
[54] **VACCIN CONTRE L'INFECTION PAR LE VIRUS DE LA PESTE PORCINE AFRICAINE**
[72] DIXON, LINDA, GB
[72] REIS, ANA, GB
[72] DAVIS, SIMON, GB
[72] LUI, YUAN JENQ, GB
[72] IKEMIZU, SHINJI, JP
[71] THE PIRBRIGHT INSTITUTE, GB
[71] KUMAMOTO UNIVERSITY, JP
[71] UNIVERSITY OF OXFORD, GB
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[86] 2021-03-05 (PCT/GB2021/050560)
[87] (WO2021/176234)
[30] GB (2003292.6) 2020-03-06
[30] GB (2003289.2) 2020-03-06
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[54] **PERFORMIC ACID PRODUCTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'ACIDE PERFORMIQUE**
[72] AUBEUF-PRIEUR, PATRICIA, FR
[72] PORAT, IRIS, US
[72] STAMMEGNA, MARCO, US
[72] GREUS, SAMPSA, FI
[71] KEMIRA OYJ, FI
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[25] EN
[54] **IRF MODULATOR-EXPRESSING ONCOLYTIC VIRUSES FOR TREATING CANCER**
[54] **VIRUS ONCOLYTIQUES EXPRIMANT UN MODULATEUR D'IRF POUR LE TRAITEMENT DU CANCER**
[72] SARKAR, SAUMENDRA N., US
[72] THORNE, STEPHEN HOWARD, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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[30] US (62/985,979) 2020-03-06

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[54] **A CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE**
[72] ELIASSON, THOMAS, SE
[71] ALFA LAVAL CORPORATE AB, SE
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[25] EN
[54] **DEVICE AND METHOD FOR THE ADSORPTION OF A GAS FROM A GAS MIXTURE TO BE TREATED**
[54] **DISPOSITIF ET PROCEDE D'ADSORPTION D'UN GAZ A PARTIR D'UN MELANGE GAZEUX A TRAITER**
[72] VAN DIJCK, WOUTER DENIS ANN, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2022-08-30
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[54] **SMOOTHED FACETED SCREEN SYSTEMS AND METHOD**
[54] **SYSTEMES ET PROCEDE D'ECRAN A FACETTES LISSEES**
[72] KRAUTHAMER, AKIVA MEIR, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[54] **GOLF FLAG POLE**
[54] **MAT DE DRAPEAU DE GOLF**
[72] VEGA DE SEOANE KINDELAN, GABRIEL, ES
[71] GOLF GURU, S.L., ES
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[54] **IMIDAZOLE-BASED SYNTHETIC LIPIDOIDS FOR IN VIVO MRNA DELIVERY INTO IMMUNE CELLS**
[54] **LIPIDOIDES SYNTHETIQUES A BASE D'IMIDAZOLE POUR L'ADMINISTRATION IN VIVO D'ARNM DANS DES CELLULES IMMUNITAIRES**
[72] XU, QIAOBING, US
[71] TRUSTEES OF TUFTS COLLEGE, US
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[86] 2021-03-02 (PCT/US2021/020450)
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[54] **VACCINE AGAINST AFRICAN SWINE FEVER VIRUS INFECTION**
[54] **VACCIN CONTRE UNE INFECTION PAR LE VIRUS DE LA PESTE PORCINE AFRICAINE**
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[72] REIS, ANA, GB
[72] RATHAKRISHNAN, ANUSYAH, GB
[72] DAVIS, SIMON, GB
[72] LUI, YUAN JENQ, GB
[72] IKEMIZU, SHINJI, JP
[71] THE PIRBRIGHT INSTITUTE, GB
[71] UNIVERSITY OF OXFORD, GB
[71] KUMAMOTO UNIVERSITY, JP
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[30] GB (2003292.6) 2020-03-06
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[54] **SYSTEMS AND METHODS TO CONTROL AN ENTERTAINMENT FIGURE**
[54] **SYSTEMES ET PROCEDES POUR COMMANDER UNE PERSONNAGE DE DIVERTISSEMENT**
[72] KRAUTHAMER, AKIVA MEIR, US
[72] JEROMIN, AARON CHANDLER, US
[72] HERTZLER, ELAM KEVIN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[51] **Int.Cl. B65B 55/20 (2006.01) B65B 61/22 (2006.01)**
[25] EN
[54] **DUNNAGE PRODUCT TRANSFER USING AN ALIGNMENT REFERENCE PLANE**
[54] **TRANSFERT DE PRODUIT DE FARDAGE A L'AIDE D'UN PLAN DE REFERENCE D'ALIGNEMENT**
[72] BRULS, RUUD, NL
[72] VAN DER KAAP, JORDY, NL
[71] RANPAK CORP., US
[85] 2022-08-30
[86] 2021-03-17 (PCT/US2021/022772)
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[25] EN
[54] **USE OF A CELLULOSE DERIVATIVE AND METHOD FOR SURFACE SIZING**
[54] **UTILISATION D'UN DERIVE CELLULOSIQUE ET PROCEDE DE COLLAGE EN SURFACE**
[72] NYMAN, VILLE, FI
[72] LEPO, ANNELI, FI
[71] KEMIRA OYJ, FI
[85] 2022-08-30
[86] 2021-03-04 (PCT/FI2021/050157)
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[25] EN
[54] **AUTONOMOUS CONVEYANCE ROBOT FOR CROSS-DOCK OPERATIONS**
[54] **ROBOT DE TRANSPORT AUTONOME POUR OPERATIONS DE TRANSBORDEMENT**
[72] MALDONADO, JEFFERSON, US
[72] HENDERSON, DYLAN, US
[72] UMAKANTH, SRIJITH, US
[72] ALBERS, DAVID, US
[72] BELIN, MARK, US
[72] NOBLITT, KENNETH LEE, US
[72] MCALLISTER, BROCK, US
[71] INNOVATIVE LOGISTICS, INC., US
[85] 2022-08-30
[86] 2021-03-02 (PCT/US2021/020482)
[87] (WO2021/178413)
[30] US (62/984,581) 2020-03-03

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[25] EN
[54] **MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X4 AND RELATED PRODUCTS AND METHODS**
[54] **MODULATEURS DU RECEPTEUR X4 DE LA PROTEINE G ASSOCIEE A MAS ET PRODUITS ET PROCEDES ASSOCIES**
[72] SAINZ, MARCOS, US
[72] YEAGER, ADAM, US
[72] SELFRIDGE, BRANDON, US
[72] MARTINBOROUGH, ESTHER, US
[72] BOEHM, MARCUS, US
[72] HUANG, LIMING, US
[71] ESCIENT PHARMACEUTICALS, INC., US
[85] 2022-08-30
[86] 2021-04-15 (PCT/US2021/027477)
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[30] US (63/011,964) 2020-04-17

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[51] **Int.Cl. G10L 19/20 (2013.01) G10L 19/008 (2013.01) G10L 19/083 (2013.01) G10L 25/15 (2013.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SPEECH/MUSIC CLASSIFICATION AND CORE ENCODER SELECTION IN A SOUND CODEC**
[54] **PROCEDE ET DISPOSITIF DE CLASSIFICATION DE PAROLES/MUSIQUE ET DE SELECTION DE CODEUR PRINCIPAL DANS UN CODEC SONORE**
[72] MALENOVSKY, VLADIMIR, CZ
[71] VOICEAGE CORPORATION, CA
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[86] 2021-04-08 (PCT/CA2021/050465)
[87] (WO2021/207825)
[30] US (63/010,798) 2020-04-16

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[51] **Int.Cl. G06Q 10/02 (2012.01)**
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[54] **AVAILABLE VEHICLE PARKING SPACE DISPATCH**
[54] **REPARTITION D'ESPACE DE STATIONNEMENT DE VEHICULE DISPONIBLE**
[72] VALLANCE, COLIN R., US
[72] ROBINSON, MICHAEL ALAN, US
[72] WEINBERG, FORREST, US
[72] NAIR, SANKAR, US
[71] CDW LLC, US
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[86] 2020-07-13 (PCT/US2020/041759)
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[30] US (16/823,849) 2020-03-19

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[13] A1
[51] **Int.Cl. B31D 5/00 (2017.01)**
[25] EN
[54] **DUNNAGE CONVERSION MACHINE FOR PRODUCING A DUNNAGE PAD HAVING SLIT-SHEET MATERIAL THEREIN**
[54] **MACHINE DE CONVERSION DE FARDAGE POUR PRODUIRE UN COUSSIN DE FARDAGE COMPORTANT UN MATERIAU EN FEUILLE FENDUE EN SON SEIN**
[72] CHEICH, ROBERT C., US
[72] WAGNER, DENNIS J., US
[72] STINARD, BRIAN J., US
[71] RANPAK CORPORATION, US
[85] 2022-08-30
[86] 2021-03-09 (PCT/US2021/021581)
[87] (WO2021/183570)
[30] US (62/987,025) 2020-03-09

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[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **SPIRO RING-CONTAINING QUINAZOLINE COMPOUND**
[54] **COMPOSE DE QUINAZOLINE CONTENANT UN CYCLE SPIRO**
[72] XIE, YULI, CN
[72] FAN, HOUXING, CN
[72] CAO, GANG, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
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[86] 2021-03-23 (PCT/CN2021/082251)
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[30] CN (202010222766.X) 2020-03-25

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/107 (2006.01) A61K 9/20 (2006.01) A61K 31/55 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01)**
[25] EN
[54] **SURFACTANTS FOR HEALTHCARE PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS DE SOINS DE SANTE**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC., US
[85] 2022-08-30
[86] 2021-03-09 (PCT/US2021/021596)
[87] (WO2021/183582)
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[13] A1
[51] **Int.Cl. C07C 237/04 (2006.01) C07D 207/08 (2006.01) C07D 207/16 (2006.01)**
[25] EN
[54] **CHARGED ION CHANNEL BLOCKERS AND METHODS FOR USE**
[54] **BLOQUEURS DE CANAUX IONIQUES CHARGES ET LEURS PROCEDES D'UTILISATION**
[72] COLE, BRIDGET MCCARTHY, US
[72] ELLIS, JAMES LAMOND, US
[71] NOCION THERAPEUTICS, INC., US
[85] 2022-08-30
[86] 2021-03-10 (PCT/US2021/021697)
[87] (WO2021/183639)
[30] US (16/815,426) 2020-03-11

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[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61L 15/60 (2006.01) C08J 3/075 (2006.01)**
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[54] **HYDROGEL COMPOSITIONS AND PREPARATION THEREOF**
[54] **COMPOSITIONS D'HYDROGEL ET PREPARATION ASSOCIEE**
[72] RAMOS PEREZ, VICTOR, ES
[72] LOPEZ MOYA, MARIO, ES
[71] IBERHOSPITEX, S.A., ES
[85] 2022-08-30
[86] 2021-03-30 (PCT/EP2021/058281)
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[25] EN
[54] **METHODS OF TREATING PROTEINOPATHY- ASSOCIATED WANDERING**
[54] **METHODES DE TRAITEMENT DE LA DESORIENTATION SPATIO-TEMPORELLE ASSOCIEE A UNE PROTEINOPATHIE**
[72] MACALLISTER, THOMAS, US
[72] JACOBSON, SVEN, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
[85] 2022-08-30
[86] 2021-01-08 (PCT/US2021/012587)
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[30] US (62/994,527) 2020-03-25
[30] US (63/005,913) 2020-04-06

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[13] A1
[51] **Int.Cl. A61F 9/00 (2006.01) G16H 20/13 (2018.01)**
[25] FR
[54] **ELECTRONIC MODULE FOR A VIAL CONTAINING A LIQUID OPHTHALMIC PRODUCT WITH A MECHANICAL PUMP AND ASSEMBLY COMPRISING A MODULE AND A VIAL**
[54] **MODULE ELECTRONIQUE POUR FLACON D'UN PRODUIT OPHTALMIQUE LIQUIDE A POMPE MECANIQUE, ET ENSEMBLE COMPORTANT UN MODULE ET UN FLACON**
[72] MERCIER, FABRICE, FR
[71] LABORATOIRES THEA, FR
[85] 2022-08-30
[86] 2021-03-02 (PCT/EP2021/055162)
[87] (WO2021/175838)
[30] FR (FR2002157) 2020-03-03

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[51] **Int.Cl. C09D 11/03 (2014.01) C09D 11/38 (2014.01) C09D 7/60 (2018.01)**
[25] EN
[54] **SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES**
[54] **TENSIOACTIFS POUR ENCRES, PEINTURES ET ADHESIFS**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-08-30
[86] 2021-03-09 (PCT/US2021/021597)
[87] (WO2021/183583)
[30] US (62/988,191) 2020-03-11

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[51] **Int.Cl. F41H 13/00 (2006.01) F42B 12/36 (2006.01)**
[25] EN
[54] **SERIAL ELECTRODE DEPLOYMENT FOR CONDUCTED ELECTRICAL WEAPON**
[54] **DEPLOIEMENT D'ELECTRODE EN SERIE POUR ARME A CONDUCTION ELECTRIQUE**
[72] NERHEIM, MAGNE, US
[72] BARTLING, DAVID, US
[71] AXON ENTERPRISE, INC., US
[85] 2022-08-30
[86] 2021-03-05 (PCT/US2021/021255)
[87] (WO2021/178929)
[30] US (62/985,883) 2020-03-05

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[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **LEUKOCYTE CONCENTRATION SEPARATION DEVICE, BLOOD COLLECTION CONTAINER, AND METHOD FOR SEPARATING LEUKOCYTES**
[54] **DISPOSITIF DE SEPARATION DE CONCENTRATION DE LEUCOCYTES, CONTENANT DE COLLECTE DE SANG ET PROCEDE DE SEPARATION DE LEUCOCYTES**
[72] KOMAI, KUNIYA, JP
[72] ISOGAWA, HIRONOBU, JP
[71] SEKISUI MEDICAL CO., LTD., JP
[71] TOKUYAMA SEKISUI CO., LTD., JP
[85] 2022-08-30
[86] 2021-03-11 (PCT/JP2021/009804)
[87] (WO2021/182575)
[30] JP (2020-042080) 2020-03-11

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[13] A1
[51] **Int.Cl. H01B 12/02 (2006.01) H01F 6/06 (2006.01)**
[25] EN
[54] **PARTITIONED SUPERCONDUCTING CABLE**
[54] **CABLE SUPRACONDUCTEUR CLOISONNE**
[72] RADOVINSKY, ALEXEY, US
[72] SANABRIA, CHARLIE, US
[72] CRAIGHILL, CHRISTOPHER, US
[72] UPPALAPATI, KRISHNA KIRAN, US
[72] CREELY, ALEXANDER, US
[72] BRUNNER, DANIEL, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] COMMONWEALTH FUSION SYSTEMS LLC, US
[85] 2022-08-30
[86] 2021-03-04 (PCT/US2021/020916)
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[30] US (62/985,546) 2020-03-05

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[13] A1
[51] **Int.Cl. A61F 9/00 (2006.01) G16H 20/13 (2018.01)**
[25] FR
[54] **DEVICE AND METHOD FOR MONITORING COMPLIANCE WITH A THERAPEUTIC OPHTHALMIC TREATMENT**
[54] **DISPOSITIF ET PROCEDE DE SUIVI DE L'OBSERVANCE D'UN TRAITEMENT THERAPEUTIQUE OPHTALMIQUE**
[72] MERCIER, FABRICE, FR
[71] LABORATOIRES THEA, FR
[85] 2022-08-30
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[87] (WO2021/175841)
[30] FR (FR2002157) 2020-03-03

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[51] **Int.Cl. H01Q 3/44 (2006.01) G08B 13/19 (2006.01) H01Q 19/22 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR MANAGING COMMUNICATIONS**
[54] **DISPOSITIF ET PROCEDE DE GESTION DE COMMUNICATIONS**
[72] SANTHAKUMAR, VIJAYKUMAR, US
[72] MUTHUKRISHNAN, HARIHARAN, US
[71] BUILDING ROBOTICS, INC., US
[85] 2022-08-30
[86] 2021-02-11 (PCT/US2021/017564)
[87] (WO2021/178120)
[30] US (16/806,895) 2020-03-02

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[13] A1
[51] **Int.Cl. C09K 13/08 (2006.01) C07C 229/10 (2006.01)**
[25] EN
[54] **SURFACTANTS FOR ELECTRONICS PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS ELECTRONIQUES**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-08-30
[86] 2021-03-09 (PCT/US2021/021595)
[87] (WO2021/183581)
[30] US (62/988,175) 2020-03-11

[21] **3,170,205**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **MULTI-VALUE PRIMARY KEYS FOR PLURALITY OF UNIQUE IDENTIFIERS OF ENTITIES**
[54] **CLES PRIMAIRES A VALEURS MULTIPLES POUR UNE PLURALITE D'IDENTIFIANTS UNIQUES D'ENTITES**
[72] BODZIONY, MICHAL, PL
[72] FILIP, MARCIN, PL
[72] LUCZYNSKI, MARCIN, PL
[72] ZATORSKI, TOMASZ, PL
[72] LASKAWIEC, ANDRZEJ, PL
[72] PIATEK, MONIKA, PL
[72] STUDZIENNY, LUKASZ, PL
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-08-31
[86] 2021-03-05 (PCT/IB2021/051847)
[87] (WO2021/198807)
[30] US (16/839,200) 2020-04-03

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[13] A1
[51] **Int.Cl. E04B 1/24 (2006.01) E04B 1/342 (2006.01) E04B 7/04 (2006.01) E04C 3/08 (2006.01) E04C 3/40 (2006.01)**
[25] EN
[54] **TRUSS, ARCHED STRUCTURE AND SHED**
[54] **STRUCTURE EN TREILLIS, STRUCTURE EN ARC ET HANGAR**
[72] DE MORAIS GOMEZ, FERNANDO, BR
[71] TOPICO LOCACOES DE GALPOES E EQUIPAMENTOS PARA INDUSTRIAS S.A., BR
[85] 2022-08-31
[86] 2021-01-19 (PCT/BR2021/050025)
[87] (WO2021/174323)
[30] BR (102020004188-6) 2020-03-02

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER PAIN BY ADMINISTERING A PD-1 INHIBITOR**
[54] **PROCEDES DE TRAITEMENT DE LA DOULEUR CANCEREUSE PAR ADMINISTRATION D'UN INHIBITEUR DE PD-1**
[72] CHEN, CHIEH-I, US
[72] SASANE, MEDHA R., US
[72] BURY-MAYNARD, DENISE P., US
[71] REGENERON PHARMACEUTICALS, INC., US
[71] SANOFI BIOTECHNOLOGY, FR
[85] 2022-08-31
[86] 2021-09-02 (PCT/US2021/048785)
[87] (WO2022/051448)
[30] US (63/074,282) 2020-09-03
[30] US (63/186,375) 2021-05-10
[30] US (63/161,519) 2021-03-16
[30] EP (21315132.7) 2021-07-29

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER BY ADMINISTERING A NEOADJUVANT PD-1 INHIBITOR**
[54] **METHODES DE TRAITEMENT DU CANCER PAR ADMINISTRATION D'UN INHIBITEUR DE PD-1 NEOADJUVANT**
[72] MILLER, ELIZABETH, US
[72] LOWY, ISRAEL, US
[72] THURSTON, GAVIN, US
[72] MERAD, MIRIAM, US
[72] MARRON, THOMAS, US
[72] SCHWARTZ, MYRON, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-08-31
[86] 2022-02-10 (PCT/US2022/015950)
[87] (WO2022/173931)
[30] US (63/148,239) 2021-02-11
[30] US (63/222,727) 2021-07-16
[30] US (63/166,183) 2021-03-25

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[13] A1
[51] **Int.Cl. F16G 15/06 (2006.01)**
[25] EN
[54] **SHACKLE LOCK AND SHACKLE COMPRISING SAID SHACKLE LOCK**
[54] **VERROU DE MANILLE D'ASSEMBLAGE ET MANILLE D'ASSEMBLAGE COMPRENANT LEDIT VERROU**
[72] BJORGUM, KJETIL, NO
[71] HYLESTAD SOLUTIONS AS, NO
[85] 2022-08-31
[86] 2021-03-25 (PCT/NO2021/050080)
[87] (WO2021/194354)
[30] NO (20200353) 2020-03-25

[21] **3,170,214**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/404 (2006.01)**
[25] EN
[54] **SOLID FORMS OF TEZACAFTOR AND PROCESSES FOR THE PREPARATION THEREOF**
[54] **FORMES SOLIDES DE TEZACAFTOR ET LEURS PROCEDES DE PREPARATION**
[72] BARRECA, GIUSEPPE, IT
[72] CARCONE, LUCA, IT
[72] COPPOLA, MARIANNA, IT
[72] PESENTI, CRISTINA, IT
[72] ZAMPIERI, MASSIMO, IT
[72] BORDONE, DAVIDE, IT
[72] RONZONI, SILVANO, IT
[72] PARAVIDINO, PIERO, IT
[71] QUIMICA SINTETICA, S.A., ES
[85] 2022-08-31
[86] 2021-03-05 (PCT/EP2021/055612)
[87] (WO2021/176064)
[30] EP (20382165.7) 2020-03-06
[30] EP (20382811.6) 2020-09-15

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **SEED COULTER FOR DIRECT SEED DRILL, SEEDING UNIT COMPRISING SAID SEED COULTER AND SOWING MACHINE COMPRISING SEVERAL SEEDING UNITS**
[54] **SOC DE SEMIS POUR SEMOIR A GRAINS DIRECT, UNITE DE SEMIS COMPRENANT LEDIT SOC DE SEMIS ET MACHINE DE SEMIS COMPRENANT PLUSIEURS UNITES DE SEMIS**
[72] ROMSAAS, GULBRAND, NO
[72] ROMSAAS, TERJE GULBRAND, NO
[71] SULERUD AS, NO
[85] 2022-08-31
[86] 2021-03-22 (PCT/NO2021/050072)
[87] (WO2021/194346)
[30] NO (20200338) 2020-03-23

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[13] A1
[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **DATA MIGRATION**
[54] **MIGRATION DE DONNEES**
[72] MARIVOET, KIM, BE
[72] AERTS, IVES, BE
[72] VAN EECKHOUDT, PEPIJN, BE
[71] DATADOBI BV, BE
[85] 2022-08-31
[86] 2021-03-16 (PCT/EP2021/056602)
[87] (WO2021/197830)
[30] EP (20166890.2) 2020-03-30

[21] **3,170,223**
[13] A1
[51] **Int.Cl. A61J 3/00 (2006.01) A61J 1/05 (2006.01) B65D 23/08 (2006.01) G01N 1/10 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **SPECIMEN COLLECTION CONTAINER**
[54] **RECIPIENT DE COLLECTE D'ECHANTILLON**
[72] UCHIYAMA, TAKAYA, JP
[72] KOMAI, KUNIYA, JP
[72] NIUNOYA, MASATOSHI, JP
[72] GOTOU, YUUKI, JP
[72] ISOGAWA, HIRONOBU, JP
[71] SEKISUI MEDICAL CO., LTD., JP
[71] TOKUYAMA SEKISUI CO., LTD., JP
[85] 2022-08-31
[86] 2021-03-23 (PCT/JP2021/011919)
[87] (WO2021/200385)
[30] JP (2020-062014) 2020-03-31
[30] JP (2020-179842) 2020-10-27

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[13] A1
[51] **Int.Cl. A61K 36/38 (2006.01) A61K 36/58 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SOLUTIONS AND METHODS OF USING THE SAME IN THE TREATMENT OR PREVENTION OF INFECTIONS**
[54] **SOLUTIONS ANTIMICROBIENNES ET LEURS METHODES D'UTILISATION DANS LE TRAITEMENT OU LA PREVENTION D'INFECTIONS**
[72] SIGURJONSSON, GUDMUNDUR FERTRAM, CH
[72] GISLADOTTIR, DORA HLIN, CH
[72] KRISTJANSSON, JON MAGNUS, CH
[71] KERECIS AG, CH
[85] 2022-08-31
[86] 2021-03-23 (PCT/IB2021/052408)
[87] (WO2021/191800)
[30] US (62/993,201) 2020-03-23
[30] US (62/993,356) 2020-03-23
[30] US (62/993,360) 2020-03-23
[30] US (63/003,887) 2020-04-01
[30] US (63/004,467) 2020-04-02
[30] US (63/040,807) 2020-06-18
[30] US (63/091,177) 2020-10-13

[21] **3,170,229**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **AUTOMATED SPECIMEN PROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'ECHANTILLON AUTOMATISES**
[72] DEINUM, JORN, NL
[72] BRUINSMA, JOHANNES ANNE, NL
[72] HENSTRA, GERARD, NL
[72] VAN DER VIJVER, JAN BART, NL
[72] GIELEN, PAUL JEAN MARC, NL
[72] RIJKEN, MAARTEN, NL
[72] SINNEMA, JURJEN, NL
[71] BD KIESTRA B.V., NL
[85] 2022-08-31
[86] 2021-03-11 (PCT/EP2021/056159)
[87] (WO2021/180836)
[30] US (62/988,171) 2020-03-11

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[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE SYSTEM**
[54] **SYSTEME D'INTERFACE PATIENT**
[72] STANLEY, LEON TYLER, NZ
[72] HOWARTH, BRAD MICHAEL, NZ
[72] RONAYNE, MICHAEL PAUL, NZ
[72] DAVIS, SAMUEL ROLLO ROSS, NZ
[72] PEMMARAJU, HEMANTH, NZ
[72] MICHELSEN, LARISSA GRACE, NZ
[72] MCGERTY, OSCAR ELLIOT JAMES, NZ
[72] BECKLEY, AMELIA RHIAN, NZ
[72] MEECH, JULIO DEREK, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2022-08-31
[86] 2021-03-02 (PCT/IB2021/051707)
[87] (WO2021/176338)
[30] US (62/984,718) 2020-03-03
[30] US (63/117,044) 2020-11-23

[21] **3,170,232**
[13] A1
[51] **Int.Cl. B65D 51/24 (2006.01) B65D 51/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DELAYED ACTIVATION OF ACTIVE AGENT IN CONTAINER HOLDING PRODUCT SENSITIVE TO ENVIRONMENTAL TRIGGER(S)**
[54] **APPAREIL ET PROCEDE D'ACTIVATION RETARDEE D'UN AGENT ACTIF DANS UN RECIPIENT CONTENANT UN PRODUIT SENSIBLE A UN OU PLUSIEURS DECLENCHEURS ENVIRONNEMENTAUX**
[72] GROSSETETE, FLORENCE, FR
[71] CSP TECHNOLOGIES, INC., US
[85] 2022-08-31
[86] 2021-04-01 (PCT/US2021/070346)
[87] (WO2021/203138)
[30] US (63/004,271) 2020-04-02

[21] **3,170,235**
[13] A1
[51] **Int.Cl. C10B 53/02 (2006.01) C10L 5/44 (2006.01) C10L 9/08 (2006.01) D21C 3/02 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING COMBUSTIBLE PELLETS BY IMPROVED STEAM CRACKING USING HETEROGENEOUS BIOMASS**
[54] **PROCEDE DE PRODUCTION DE GRANULES COMBUSTIBLES PAR VAPOCRAQUAGE AMELIORE PAR UTILISATION DE BIOMASSE HETEROGENE**
[72] QUINTERO-MARQUEZ, ADRIANA, FR
[72] DESPRES, JEAN-LUC, FR
[72] MARTEL, FREDERIC, FR
[71] EUROPEENNE DE BIOMASSE, FR
[85] 2022-08-31
[86] 2021-04-16 (PCT/FR2021/050672)
[87] (WO2021/209725)
[30] FR (FR2003905) 2020-04-17

[21] **3,170,237**
[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) G16H 20/30 (2018.01) A63B 69/00 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GAIT MONITORING AND IMPROVEMENT**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE ET D'AMELIORATION DE LA MARCHE**
[72] ROSATO, MATTHEW, CA
[71] PROVA INNOVATIONS LTD., CA
[85] 2022-08-31
[86] 2021-02-26 (PCT/CA2021/050238)
[87] (WO2021/174340)
[30] US (16/806,716) 2020-03-02

[21] **3,170,244**
[13] A1
[51] **Int.Cl. A01N 25/18 (2006.01) A01N 59/00 (2006.01) B65D 75/30 (2006.01) B65D 77/20 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **ACTIVE COMPOUND ATTACHMENT FOR PRESERVING PRODUCT IN A PACKAGE, AND METHOD OF MAKING AND USING SAME**
[54] **ACCESSOIRE DE COMPOSE ACTIF PERMETTANT DE CONSERVER UN PRODUIT DANS UN EMBALLAGE, ET PROCEDE DE FABRICATION ET D'UTILISATION DE CE DERNIER**
[72] JOHNSTON, MICHAEL A., US
[72] MORGAN, ANGELA, US
[72] GAUTREAUX, THOMAS PAUL, US
[71] CSP TECHNOLOGIES, INC., US
[85] 2022-08-31
[86] 2021-03-26 (PCT/US2021/070315)
[87] (WO2021/217162)
[30] US (63/000,341) 2020-03-26

[21] **3,170,248**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS RELATED TO SUB-SLOT PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) REPETITIONS**
[54] **SYSTEMES ET PROCEDES RELATIFS A DES REPETITIONS DE SOUS-INTERVALLE DE CANAL PHYSIQUE DE COMMANDE DE LIAISON MONTANTE (PUCCH)**
[72] FALAHATI, SOROUR, SE
[72] BLANKENSHIP, YUFEI, US
[72] KITTICHOKECHAI, KITTIPONG, SE
[72] ANDERSSON, MATTIAS, SE
[72] BEHRAVAN, ALI, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-08-31
[86] 2021-03-05 (PCT/IB2021/051872)
[87] (WO2021/176418)
[30] US (62/986,348) 2020-03-06

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[13] A1
[51] **Int.Cl. B65D 25/20 (2006.01) B65D 33/00 (2006.01) B65D 81/18 (2006.01) B65D 81/24 (2006.01)**
[25] EN
[54] **PACKAGE CONFIGURED TO HIDE OR OTHERWISE VISUALLY OBSCURE AN ACTIVE MEMBER ATTACHED THERETO**
[54] **EMBALLAGE CONCU POUR CACHER OU MASQUER AUTREMENT VISUELLEMENT UN ELEMENT ACTIF FIXE A CE DERNIER**
[72] MORGAN, ANGELA, US
[71] CSP TECHNOLOGIES, INC., US
[85] 2022-08-31
[86] 2021-04-01 (PCT/US2021/070348)
[87] (WO2021/203140)
[30] US (63/004,328) 2020-04-02

[21] **3,170,250**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01)**
[25] EN
[54] **A TARGETING MODULE COMPRISING PD-L1 AND/OR PD-L2 FOR USE IN A METHOD FOR STIMULATING A CHIMERIC ANTIGEN RECEPTOR MEDIATED IMMUNE RESPONSE IN A MAMMAL**
[54] **MODULE DE CIBLAGE COMPRENANT DES LIGANDS PD-L1 ET/OU PD-L2 DESTINE A ETRE UTILISE DANS UNE METHODE DE STIMULATION D'UNE REPONSE IMMUNITAIRE A MEDIATION PAR UN RECEPTEUR D'ANTIGENE CHIMERIQUE CHEZ UN MAMMIFER**
[72] EHNINGER, ARMIN, DE
[71] AVENCELL EUROPE GMBH, DE
[85] 2022-08-31
[86] 2021-03-16 (PCT/EP2021/056625)
[87] (WO2021/185807)
[30] EP (20163257.7) 2020-03-16

[21] **3,170,252**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **PYRIMIDINE COMPOUNDS AND THEIR PHARMACEUTICAL USES**
[54] **COMPOSES DE PYRIMIDINE ET LEURS UTILISATIONS PHARMACEUTIQUES**
[72] CHANG, CHUN-PING, CN
[72] CHI, YA-HUI, CN
[72] CHEN, CHIUNG-TONG, CN
[72] KE, YI-YU, CN
[72] SHIH, CHUAN, US
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2022-08-31
[86] 2021-03-03 (PCT/US2021/020594)
[87] (WO2021/178485)
[30] US (62/986,024) 2020-03-06

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[13] A1
[51] **Int.Cl. H04H 60/33 (2009.01) H04W 4/24 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTING MULTIMEDIA CONTENT**
[54] **SYSTEME ET PROCEDE DE FOURNITURE DE CONTENU MULTIMEDIA**
[72] HUBBARD, ROBERT B., US
[71] HUBBARD, ROBERT B., US
[85] 2022-08-31
[86] 2020-03-06 (PCT/US2020/021583)
[87] (WO2021/177978)

[21] **3,170,255**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING INFLAMMATORY LUNG DISEASES USING MESENCHYMAL LINEAGE PRECURSOR OR STEM CELLS**
[54] **PROCEDE DE TRAITEMENT DE MALADIES PULMONAIRES INFLAMMATOIRES A L'AIDE DE CELLULES SOUCHES OU PRECURSEURS DE LIGNEE MESENCHYMATEUSE**
[72] ITESCU, SILVIU, AU
[71] MESOBLAST INTERNATIONAL SARL, CH
[85] 2022-08-31
[86] 2021-03-04 (PCT/EP2021/055483)
[87] (WO2021/176001)
[30] AU (2020900685) 2020-03-05

[21] **3,170,256**
[13] A1
[51] **Int.Cl. B01D 35/027 (2006.01) B01D 35/147 (2006.01) B01D 35/157 (2006.01) B01D 37/04 (2006.01)**
[25] EN
[54] **METHODS TO MINIMIZE SCALING IN WATER FILTRATION SYSTEMS**
[54] **PROCEDES PERMETTANT DE REDUIRE AU MINIMUM L'ENTARTRAGE DANS DES SYSTEMES DE FILTRATION D'EAU**
[72] PEDERSEN, MICHAEL A., US
[71] AQUA TRU LLC, US
[85] 2022-08-31
[86] 2021-02-04 (PCT/US2021/016601)
[87] (WO2021/206794)
[30] US (16/842,845) 2020-04-08

[21] **3,170,258**
[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **FOLDABLE INHALER**
[54] **INHALATEUR PLIABLE**
[72] ANDERSON, GREGOR JOHN MCLENNAN, GB
[72] ALAN MILLER, SUTTIE, GB
[72] SMITH, DONALD, GB
[72] MCMYN, LISA CHARLESTON, GB
[71] 1NHALER LTD, GB
[85] 2022-08-31
[86] 2021-03-24 (PCT/GB2021/050718)
[87] (WO2021/191606)
[30] GB (2004337.8) 2020-03-25

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[13] A1
[51] **Int.Cl. H01M 8/023 (2016.01) H01M 8/0204 (2016.01) H01M 8/0247 (2016.01) H01M 8/0258 (2016.01) H01M 8/241 (2016.01)**
[25] EN
[54] **FLUID GUIDING ASSEMBLY**
[54] **ENSEMBLE DE GUIDAGE DE FLUIDE**
[72] MATIAN, MARDIT, CH
[71] EH GROUP ENGINEERING AG, CH
[85] 2022-08-31
[86] 2020-04-20 (PCT/EP2020/060997)
[87] (WO2021/213613)

[21] **3,170,260**
[13] A1
[51] **Int.Cl. G06K 5/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **A METHOD OF SECURING A PAYMENT CARD TRANSACTION**
[54] **PROCEDE DE SECURISATION D'UNE TRANSACTION PAR CARTE DE PAIEMENT**
[72] WILLIAMS, DARTANYON ANTWAUN, US
[71] DUCKPOND TECHNOLOGIES, INC., US
[85] 2022-08-31
[86] 2021-03-10 (PCT/US2021/021774)
[87] (WO2021/183688)
[30] US (62/987,402) 2020-03-10

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[13] A1
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/00 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF A KINASE INHIBITOR**
[54] **COMPOSITIONS PHARMACEUTIQUES D'UN INHIBITEUR DE KINASE**
[72] DARGELAS, FREDERIC, FI
[72] KOISTINEN, PIRITTA, FI
[72] LEIMU, LAURA, FI
[72] MATILAINEN, LAURA, FI
[72] METSALA, HENRI, FI
[72] SHEVCHENKO, ANNA, DK
[71] AURIGENE DISCOVERY TECHNOLOGIES LIMITED, IN
[85] 2022-08-31
[86] 2021-03-05 (PCT/FI2021/050162)
[87] (WO2021/176146)
[30] FI (20205233) 2020-03-05

[21] **3,170,262**
[13] A1
[51] **Int.Cl. F16N 3/12 (2006.01) F16N 13/10 (2006.01)**
[25] EN
[54] **BATTERY OPERATED GREASE GUN**
[54] **PISTOLET GRAISSEUR ALIMENTE PAR BATTERIE**
[72] UCCELLANI, MARCO, AU
[72] WONG, MATTHIAS, AU
[71] MACNAUGHT PTY LTD, AU
[85] 2022-08-31
[86] 2021-03-17 (PCT/AU2021/050236)
[87] (WO2021/184068)
[30] US (62/991,238) 2020-03-18

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[13] A1
[51] **Int.Cl. B63B 21/66 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **STEERING OF MARINE EQUIPMENT TOWED BY A VESSEL BY FLOAT WITH WINGS**
[54] **DIRECTION D'UN EQUIPEMENT MARIN REMORQUE PAR UN NAVIRE PAR FLOTTAISON AVEC AILES**
[72] GODOY, ERIK, NO
[71] SHEARWATER INVEST AS, NO
[85] 2022-08-31
[86] 2021-03-03 (PCT/NO2021/050053)
[87] (WO2021/182966)
[30] NO (20200297) 2020-03-11

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[13] A1
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[25] EN
[54] **USE OF MULBERRY EXTRACT FOR CONTROLLING POSTPRANDIAL GLUCOSE RESPONSE**
[54] **UTILISATION D'EXTRAIT DE MURE BLANCHE POUR LUTTER CONTRE LA REPONSE AU GLUCOSE POSTPRANDIAL**
[72] DARIMONT-NICOLAU, CHRISTIAN, CH
[72] EGLI, LEONIE, CH
[72] GHELDOF, NELE, CH
[72] RYTZ, ANDREAS, CH
[72] SATHYAVAGEESWARAN, SHREERAM, SG
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-08-31
[86] 2021-04-23 (PCT/EP2021/060744)
[87] (WO2021/214326)
[30] EP (20171278.3) 2020-04-24
[30] EP (20193063.3) 2020-08-27

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[51] **Int.Cl. B63B 21/66 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **STEERING OF MARINE EQUIPMENT TOWED BY A VESSEL BY A RUNNING BLOCK**
[54] **DIRECTION D'UN EQUIPEMENT MARIN REMORQUE PAR UN NAVIRE PAR UN BLOC DE ROULEMENT**
[72] GODOY, ERIK, NO
[71] SHEARWATER INVEST AS, NO
[85] 2022-08-31
[86] 2021-03-02 (PCT/NO2021/050052)
[87] (WO2021/182965)
[30] NO (20200298) 2020-03-11

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[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61M 5/00 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **PACKAGING FOR SAFETY NEEDLE**
[54] **EMBALLAGE POUR AIGUILLES DE SECURITE**
[72] SANDERS, LAURIE, US
[72] BROWKA, EDWARD P., US
[72] SMITH, PETER, US
[72] BRAKONIECKI, ADAM KRISTOPHER, US
[72] WONG, ALICE, US
[72] HAYWOOD, REGINA, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-08-31
[86] 2021-02-24 (PCT/US2021/019381)
[87] (WO2021/178173)
[30] US (16/810,476) 2020-03-05

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[13] A1
[51] **Int.Cl. C11D 3/12 (2006.01) C11D 3/14 (2006.01) C11D 7/20 (2006.01) C11D 11/00 (2006.01) C23G 1/02 (2006.01) C23G 1/14 (2006.01) C23G 1/24 (2006.01)**
[25] EN
[54] **PURIFICATION OF METALLIC OBJECTS IN THE PRESENCE OF A LIQUID AND LAYER SILICATE(S)**
[54] **PURIFICATION D'OBJETS METALLIQUES EN PRESENCE D'UN LIQUIDE ET DE SILICATES EN COUCHES**
[72] HOFMANN, UDO, DE
[71] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE
[85] 2022-08-31
[86] 2021-03-03 (PCT/EP2021/055261)
[87] (WO2021/175891)
[30] EP (20161204.1) 2020-03-05

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[51] **Int.Cl. A61K 39/145 (2006.01) A61P 31/04 (2006.01) A61P 31/16 (2006.01) C07K 14/54 (2006.01) C12N 7/01 (2006.01) C12N 15/24 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **NUCLEIC ACID CONSTRUCT, RECOMBINANT INFLUENZA VIRUS, METHOD FOR PREPARING A RECOMBINANT INFLUENZA VIRUS, COMPOSITION, AND USE**
[54] **CONSTRUCTION D'ACIDE NUCLEIQUE, VIRUS INFLUENZA RECOMBINANT, PROCEDE DE PREPARATION D'UN VIRUS INFLUENZA RECOMBINANT, COMPOSITION ET UTILISATION**
[72] MACHADO, ALEXANDRE DE MAGALHAES VIEIRA, BR
[72] MESSIAS, SARAH GIAROLA DA SILVA, BR
[72] GONCALVES, ANA PAULA DE FARIA, BR
[72] FAUSTINO, LIDIA PAULA, BR
[72] PEREIRA, IGOR A., BR
[72] DE PAULA, IANCA EVELYN SILVA, BR
[72] ARAUJO, MARCIO SOBREIRA SILVA, BR
[72] TAVARES, LUCIANA PADUA, BR
[72] ALVES, PEDRO AUGUSTO, BR
[72] XAVIER, MARCELO PASCOAL, BR
[72] CARDOSO, KIMBERLY FREITAS, BR
[72] DE CARVALHO, KETYLLEN REIS ANDRADE, BR
[71] FUNDACAO OSWALDO CRUZ, BR
[85] 2022-08-31
[86] 2021-05-20 (PCT/BR2021/050216)
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[30] BR (BR102020010208-7) 2020-05-21

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[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/36 (2012.01) G06K 7/10 (2006.01) G06K 7/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LOCATION-BASED INDIVIDUALIZED CONTENT AND MOBILE WALLET OFFERS**
[54] **SYSTEME ET PROCEDE POUR DES PROPOSITIONS DE CONTENUS INDIVIDUALISES ET DE PORTEFEUILLES MOBILES BASEES SUR LA LOCALISATION**
[72] FOWLER, CAMERON, US
[72] SULLIVAN, MATTHEW, US
[71] DIGITAL SEAT MEDIA, INC., US
[85] 2022-08-31
[86] 2021-03-07 (PCT/US2021/070248)
[87] (WO2021/179019)
[30] US (16/812,203) 2020-03-06
[30] US (17/249,613) 2021-03-06

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[51] **Int.Cl. H04B 7/06 (2006.01) H04B 7/0417 (2017.01)**
[25] EN
[54] **CHANNEL SOUNDING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE SONDAGE DE CANAL**
[72] YAN, ZHONGJIANG, CN
[72] YANG, MAO, CN
[72] LIANG, DANDAN, CN
[72] YU, JIAN, CN
[72] LI, YUNBO, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-08-31
[86] 2021-02-22 (PCT/CN2021/077231)
[87] (WO2021/175124)
[30] CN (202010135651.7) 2020-03-02

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[51] **Int.Cl. C07D 271/06 (2006.01) A61P 21/02 (2006.01) A61P 25/04 (2006.01) A61P 25/08 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **OXADIAZOLE DERIVATIVE**
[54] **DERIVE D'OXADIAZOLE**
[72] ISOBE, YOSHIAKI, JP
[72] TANAKA, TOMOYUKI, JP
[72] MIYACHI, HIROTAKA, JP
[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2022-08-31
[86] 2021-03-16 (PCT/JP2021/010628)
[87] (WO2021/187486)
[30] JP (2020-046138) 2020-03-17

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[51] **Int.Cl. A61L 27/14 (2006.01) A61L 27/18 (2006.01) A61L 27/22 (2006.01) C08L 9/00 (2006.01)**
[25] EN
[54] **PROTEIN POLYURETHANE ALLOYS AND LAYERED MATERIALS INCLUDING THE SAME**
[54] **ALLIAGES DE PROTEINE-POLYURETHANE ET MATERIAUX EN COUCHES COMPRENANT CEUX-CI**
[72] BROADBENT, SAMUEL, US
[72] HANDLIN JR., DALE L., US
[72] CAI, SHAOBO, US
[72] TAN, ZHE, US
[72] CROWNHART, CASEY, US
[72] YARAGHI, NICHOLAS, US
[72] WILLIAMSON, DAVID, US
[72] NORMAN, ALEXANDER IAIN, US
[72] DAI, LIXIN, US
[71] MODERN MEADOW, INC., US
[85] 2022-08-31
[86] 2021-04-30 (PCT/US2021/030180)
[87] (WO2021/222755)
[30] US (63/018,891) 2020-05-01
[30] US (63/110,760) 2020-11-06

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[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6886 (2018.01) G16B 20/20 (2019.01) G16B 30/00 (2019.01)**
[25] EN
[54] **CANCER CLASSIFICATION WITH SYNTHETIC SPIKED-IN TRAINING SAMPLES**
[54] **CLASSIFICATION D'UN CANCER A L'AIDE D'ECHANTILLONS D'APPRENTISSAGE DOPES SYNTHETIQUES**
[72] MAHER, M. CYRUS, US
[72] GROSS, SAMUEL S., US
[72] NEWMAN, JOSHUA, US
[72] BREDNO, JOERG, US
[72] NIKOLIC, OGNJEN, US
[71] GRAIL, LLC, US
[85] 2022-08-31
[86] 2021-03-29 (PCT/US2021/024732)
[87] (WO2021/202424)
[30] US (63/001,729) 2020-03-30
[30] US (63/154,667) 2021-02-27

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[13] A1
[51] **Int.Cl. A63H 5/00 (2006.01) G10H 1/26 (2006.01)**
[25] FR
[54] **MUSICAL DEVICE AND ASSOCIATED METHOD**
[54] **DISPOSITIF MUSICAL ET METHODE ASSOCIEE**
[72] HELBERT, KARINE, FR
[72] BRUNET, CHRISTOPHE, FR
[72] PAIOLA, MELANIE, FR
[71] CONCERTI, FR
[85] 2022-08-31
[86] 2021-03-09 (PCT/EP2021/055940)
[87] (WO2021/180734)
[30] FR (FR2002374) 2020-03-10

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[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) G06T 19/00 (2011.01)**
[25] EN
[54] **HOLOGRAPHIC TREATMENT ZONE MODELING AND FEEDBACK LOOP FOR SURGICAL PROCEDURES**
[54] **MODELISATION HOLOGRAPHIQUE DE ZONE DE TRAITEMENT ET BOUCLE DE FEEDBACK POUR INTERVENTIONS CHIRURGICALES**
[72] BLACK, JOHN, US
[72] FAHIM, MINA S., US
[71] MEDIVIEW XR, INC., US
[85] 2022-08-31
[86] 2021-03-26 (PCT/US2021/024315)
[87] (WO2021/195474)
[30] US (63/000,408) 2020-03-26

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **FULLY SYNTHETIC, LONG-CHAIN NUCLEIC ACID FOR VACCINE PRODUCTION TO PROTECT AGAINST CORONAVIRUSES**
[54] **ACIDE NUCLEIQUE A CHAINE LONGUE ENTIEREMENT SYNTHETIQUE POUR LA PRODUCTION DE VACCINS POUR LA PROTECTION CONTRE LES CORONAVIRUS**
[72] CHRISTEN, MATTHIAS, CH
[71] ROCKETVAX AG, CH
[85] 2022-08-31
[86] 2021-03-03 (PCT/EP2021/055401)
[87] (WO2021/175960)
[30] EP (20020092.1) 2020-03-03
[30] EP (20020240.6) 2020-05-20

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[13] A1
[51] **Int.Cl. G06F 16/955 (2019.01)**
[25] EN
[54] **MANUFACTURER USAGE DESCRIPTION MUD FILE OBTAINING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ACQUISITION DE FICHIER DE DESCRIPTION D'UTILISATION DE FABRICANT (MUD)**
[72] PAN, WEI, CN
[72] XIA, LIANG, CN
[72] RICHARDSON, MICHAEL CHARLES, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-08-31
[86] 2021-03-04 (PCT/CN2021/078976)
[87] (WO2021/175273)
[30] CN (202010151568.9) 2020-03-06

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[13] A1
[51] **Int.Cl. F24H 1/00 (2022.01) B60R 15/02 (2006.01) F24H 1/06 (2006.01)**
[25] EN
[54] **HOT WATER STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE D'EAU CHAUDE**
[72] STAHL, BERNHARD, DE
[71] TRUMA GERATETECHNIK GMBH & CO. KG, DE
[85] 2022-08-31
[86] 2021-04-26 (PCT/EP2021/060857)
[87] (WO2021/224049)
[30] DE (10 2020 112 355.8) 2020-05-07

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[13] A1
[25] EN
[54] **CONTEXTUAL INTEGRITY PRESERVATION**
[54] **PRESERVATION D'INTEGRITE CONTEXTUELLE**
[72] GAUR, NITIN, US
[72] PONCELEON, DULCE B., US
[72] KATSIS, IOANNIS, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-08-31
[86] 2021-03-23 (PCT/CN2021/082258)
[87] (WO2021/203958)
[30] US (16/840,749) 2020-04-06

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[13] A1
[51] **Int.Cl. C07D 231/20 (2006.01)**
[25] EN
[54] **SYNTHESIS OF NOVEL EP4 ANTAGONIST AND USE IN CANCER AND INFLAMMATION**
[54] **SYNTHESE D'UN NOUVEL ANTAGONISTE D'EP4 ET UTILISATION DANS LE CANCER ET L'INFLAMMATION**
[72] ZHANG, XUEJUN, CN
[72] ZANG, YANG, CN
[72] LI, LIE, CN
[72] SHEN, JIE, CN
[72] LIU, ZHE, CN
[72] CHANG, SHAOHUA, CN
[72] WANG, YONGGANG, CN
[71] WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, CN
[85] 2022-08-31
[86] 2021-03-04 (PCT/CN2021/079073)
[87] (WO2021/175283)
[30] CN (202010144983.1) 2020-03-04

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[13] A1
[51] **Int.Cl. B62D 15/02 (2006.01)**
[25] EN
[54] **STRUCTURAL LOCATING SENSORS FOR A SENSOR MODULE USING A PRINTED CIRCUIT BOARD ASSEMBLY**
[54] **CAPTEURS DE LOCALISATION STRUCTURELS POUR MODULE DE CAPTEUR UTILISANT UN ENSEMBLE CARTE DE CIRCUITS IMPRIMES**
[72] NOBERT, JONATHAN, CA
[72] GAGNE, FRANCIS, CA
[71] KA GROUP AG, CH
[85] 2022-08-31
[86] 2020-03-04 (PCT/IB2020/051892)
[87] (WO2021/176251)

[21] **3,170,292**
[13] A1
[51] **Int.Cl. F15B 15/16 (2006.01) E04H 12/18 (2006.01) F15B 15/26 (2006.01) F16B 7/10 (2006.01)**
[25] EN
[54] **PNEUMATIC TELESCOPIC COLUMN ASSEMBLY**
[54] **ENSEMBLE COLONNE TELESCOPIQUE PNEUMATIQUE**
[72] STRIPPOLI, GIANCARLO, IT
[71] FIRECO S.R.L. A SOCIO UNICO, IT
[85] 2022-08-31
[86] 2021-03-02 (PCT/IB2021/051719)
[87] (WO2021/176343)
[30] IT (102020000004345) 2020-03-02

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61P 1/00 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01) C12M 3/00 (2006.01) C12M 3/04 (2006.01) C12M 3/06 (2006.01) C12N 5/00 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **METHODS TO ENRICH ENTEROENDOCRINE CELLS AND THEIR SUBTYPES IN THE CONTIGUOUS, INTESTINAL MONOLAYER SYSTEMS**
[54] **PROCEDES POUR ENRICHIR DES CELLULES ENTEROENDOCRINES ET LEURS SOUS-TYPES DANS DES SYSTEMES MONOCOUCHES INTESTINAUX CONTIGUS**
[72] ALLBRITTON, NANCY L., US
[72] WANG, YULI, US
[72] SIMS, CHRISTOPHER E., US
[72] VILLEGAS NOVOA, CECILIA, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2022-08-31
[86] 2021-04-05 (PCT/US2021/025741)
[87] (WO2021/203087)
[30] US (63/004,537) 2020-04-03

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **GENERATING PERFORMANCE PREDICTIONS WITH UNCERTAINTY INTERVALS**
[54] **GENERATION DE PREDICTIONS DE PERFORMANCES AVEC DES INTERVALLES D'INCERTITUDE**
[72] ARNOLD, MATTHEW RICHARD, US
[72] ELDER, BENJAMIN TYLER, US
[72] NAVRATIL, JIRI, US
[72] VENKATARAMAN, GANESH, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-08-31
[86] 2021-02-16 (PCT/IB2021/051299)
[87] (WO2021/205244)
[30] US (16/842,295) 2020-04-07

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[13] A1
[51] **Int.Cl. C12N 9/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRODUCTION OF GLUCOSE OXIDATION PRODUCTS**
[54] **COMPOSITIONS ET METHODES DE PRODUCTION DE PRODUITS D'OXYDATION GLUCOSIQUE**
[72] LEE, TONI M., US
[72] QIAN, SHUAI, US
[72] FISHER, BRIAN F., US
[72] DOWNING, SARAH, US
[72] CHAKRABARTI, GAURAB, US
[72] HUNT, SEAN, US
[71] SOLUGEN, INC., US
[85] 2022-08-31
[86] 2021-03-06 (PCT/US2021/021261)
[87] (WO2021/178935)
[30] US (62/986,447) 2020-03-06

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[13] A1
[51] **Int.Cl. C11D 9/02 (2006.01) C11D 9/60 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **PRODUCT FOR OBTAINING CLEANING PRODUCTS FROM VEGETABLE OILS, METHOD FOR OBTAINING THE PRODUCT AND METHOD FOR USING SAME**
[54] **PRODUIT POUR L'OBTENTION DE PRODUITS DE NETTOYAGE A PARTIR D'HUILES VEGETALES, PROCEDE D'OBTENTION DU PRODUIT ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] FERNANDEZ FERNANDEZ, SERGIO ALEJANDRO, ES
[72] BALFAGON COSTA, ALBERTO, ES
[71] SAMSARAPPS, S.L., ES
[85] 2022-08-31
[86] 2021-07-29 (PCT/ES2020/070774)
[87] (3170304)
[30] ES (P202030237) 2020-03-23

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[13] A1
[51] **Int.Cl. A23G 1/00 (2006.01) A23L 19/00 (2016.01) A23L 29/20 (2016.01) A23L 29/231 (2016.01) A23L 29/25 (2016.01) A23L 29/269 (2016.01) A23L 33/22 (2016.01) A23G 1/30 (2006.01)**
[25] EN
[54] **FOOD COMPOSITIONS COMPRISING CACAO POD HUSK**
[54] **COMPOSITIONS ALIMENTAIRES COMPRENANT DE LA COQUE DE CABOSSE**
[72] JAMSAZZADEH KERMANI, ZAHRA, BE
[72] SOYEUR, JEAN-LUC, BE
[71] PURATOS, BE
[85] 2022-08-31
[86] 2021-04-16 (PCT/EP2021/059930)
[87] (WO2021/209609)
[30] BE (2020/5253) 2020-04-17

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[13] A1
[51] **Int.Cl. G03G 15/08 (2006.01) G03G 21/16 (2006.01)**
[25] EN
[54] **TONER CONTAINER AND IMAGE FORMING SYSTEM**
[54] **RECIPIENT DE TONER ET SYSTEME DE FORMATION D'IMAGE**
[72] OZAKI, GOSHI, JP
[72] MUNETSUGU, HIROYUKI, JP
[72] SASAKI, TERUHIKO, JP
[72] KAWAI, TACHIO, JP
[72] HIRAYAMA, AKINOBU, JP
[72] FUJINO, TOSHIKI, JP
[71] CANON KABUSHIKI KAISHA, JP
[85] 2022-08-31
[86] 2021-12-06 (PCT/JP2021/045722)
[87] (WO2022/124422)
[30] JP (2020-202977) 2020-12-07

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[13] A1
[51] **Int.Cl. A01C 7/06 (2006.01)**
[25] EN
[54] **SPREADING MACHINE**
[54] **MACHINE D'EPANDAGE**
[72] WIEN, THOMAS, DE
[72] LUBBEN, JAN-EIKE, DE
[72] ARNOLD, ROLAND, DE
[71] AMAZONEN-WERKE H. DREYER SE & CO. KG, DE
[85] 2022-08-31
[86] 2021-03-31 (PCT/EP2021/058520)
[87] (WO2021/198379)
[30] DE (10 2020 109 343.8) 2020-04-03

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[13] A1
[51] **Int.Cl. A43B 5/00 (2022.01) G01N 3/10 (2006.01) G01N 3/56 (2006.01) G01N 19/02 (2006.01)**
[25] EN
[54] **AUTOMATED TURF TESTING APPARATUS AND SYSTEM FOR USING SAME**
[54] **APPAREIL AUTOMATISE D'ESSAI DE PELOUSE ET SYSTEME POUR SON UTILISATION**
[72] CRANDALL, JEFF, US
[72] KENT, RICHARD, US
[72] YODER, JARED, US
[72] CISNEROS, THOMAS, US
[72] ALDAHIR, PHILLIPE, US
[72] LIPARI, JEFF, US
[72] SPRATLEY, EDWARD MEADE, US
[71] BIOCORE LLC, US
[85] 2022-08-31
[86] 2021-03-04 (PCT/US2021/020917)
[87] (WO2021/178698)
[30] US (62/985,126) 2020-03-04

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[13] A1
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 31/41 (2006.01) A61K 31/4152 (2006.01) A61K 31/427 (2006.01) A61K 31/47 (2006.01) A61K 31/497 (2006.01) A61K 31/513 (2006.01) A61K 31/573 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **ANTI-VIRAL COMPOUNDS AND METHODS FOR ADMINISTRATION THEREOF**
[54] **COMPOSES ANTIVIRAUX ET LEURS PROCEDES D'ADMINISTRATION**
[72] GREGG, JOHN M.H., US
[71] GREGG, JOHN M.H., US
[85] 2022-09-01
[86] 2021-03-23 (PCT/US2021/070300)
[87] (WO2021/195661)
[30] US (62/993,121) 2020-03-23

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[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 35/17 (2015.01) A61K 47/50 (2017.01) A61K 47/68 (2017.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER WITH IMMUNE CELLS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER A L'AIDE DE CELLULES IMMUNITAIRES**
[72] SHAHAR, MICHAL, IL
[72] NATHAN, ASHER, IL
[72] SAGI, YAEL, IL
[71] NEOTX THERAPEUTICS LTD., IL
[85] 2022-09-01
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[87] (WO2022/074464)
[30] US (62/985,553) 2020-03-05

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[25] EN
[54] **NEW USE AND METHOD OF TREATMENT**
[54] **NOUVELLE UTILISATION ET PROCEDE DE TRAITEMENT**
[72] VIDAEUS, MARTIN, SE
[72] AGELAND, HANS, SE
[72] BJORKLUND, ULF, SE
[72] GARHOFER, GERHARD, SE
[71] REDWOOD PHARMA AB, SE
[85] 2022-09-01
[86] 2021-03-12 (PCT/EP2021/056314)
[87] (WO2021/180913)
[30] EP (20162821.1) 2020-03-12

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/145 (2006.01)**
[25] EN
[54] **ENGINEERED INFLUENZA NEURAMINIDASE ANTIGENS**
[54] **ANTIGENES DE LA NEURAMINIDASE DE LA GRIPPE MODIFIES**
[72] KING, NEIL P., US
[72] ELLIS, DANIEL, US
[72] KANEKIYO, MASARU, US
[72] LEDERHOFER, JULIA, US
[72] GRAHAM, BARNEY S., US
[71] UNIVERSITY OF WASHINGTON, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020804)
[87] (WO2021/178621)
[30] US (62/986,295) 2020-03-06

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[51] **Int.Cl. A61F 2/00 (2006.01) A61F 2/02 (2006.01) A61F 2/04 (2013.01) A61F 2/24 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **PROSTHETIC MITRAL VALVE WITH IMPROVED ATRIAL AND/OR ANNULAR APPOSITION AND PARAVALVULAR LEAKAGE MITIGATION**
[54] **VALVE MITRALE PROTHETIQUE A APPOSITION AURICULAIRE ET/OU ANNULAIRE AMELIOREE ET ATTENUATION DE FUITE PARAVALVULAIRE**
[72] KUMAR, SARAVANA B., US
[72] KRUSE, STEVEN D., US
[72] STONE, JEFFREY R., US
[71] 4C MEDICAL TECHNOLOGIES, INC., US
[85] 2022-09-01
[86] 2021-02-02 (PCT/US2021/016127)
[87] (WO2021/178085)
[30] US (62/985,411) 2020-03-05
[30] US (17/163,910) 2021-02-01

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[25] EN
[54] **AUTOMATED FLUORESCENCE IMAGING AND SINGLE CELL SEGMENTATION**
[54] **IMAGERIE DE FLUORESCENCE AUTOMATISEE ET SEGMENTATION DE CELLULE UNIQUE**
[72] HENNING, CHRISTIAN, DE
[71] CANOPY BIOSCIENCES, LLC, US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021197)
[87] (WO2021/178883)
[30] US (62/985,539) 2020-03-05

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[51] **Int.Cl. G01M 3/04 (2006.01) G01M 3/28 (2006.01)**
[25] EN
[54] **WATERTIGHTNESS TESTING DEVICE AND WATERTIGHTNESS TESTING METHOD**
[54] **DISPOSITIF DE TEST D'ETANCHEITE A L'EAU ET PROCEDE DE TEST D'ETANCHEITE A L'EAU**
[72] KOMARU, YUITO, JP
[72] SHIMOMURA, MASATAKA, JP
[72] HIGASA, DAICHI, JP
[72] IKEDA, KOHEI, JP
[71] KUBOTA CORPORATION, JP
[85] 2022-09-01
[86] 2021-03-15 (PCT/JP2021/010301)
[87] (WO2021/187403)
[30] JP (2020-044863) 2020-03-16

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **QUANTIFYING BIOTIC DAMAGE ON PLANTS, BY SEPARATING PLANT-IMAGES AND SUBSEQUENTLY OPERATING A CONVOLUTIONAL NEURAL NETWORK**
[54] **QUANTIFICATION DE DOMMAGES BIOTIQUES SUR DES PLANTES, PAR SEPARATION D'IMAGES DE PLANTES ET EXPLOITATION ULTERIEURE D'UN RESEAU NEURONAL CONVOLUTIF**
[72] BERECIARTUA-PEREZ, ARANZAZU, ES
[72] PICON RUIZ, ARTZAI, ES
[72] SPANGLER, CORINNA MARIA, DE
[72] KLUKAS, CHRISTIAN, DE
[72] EGGERS, TILL, DE
[72] NAVARRA-MESTRE, RAMON, DE
[72] ECHAZARRA HUGUET, JONE, ES
[71] BASF SE, DE
[85] 2022-09-01
[86] 2021-03-05 (PCT/EP2021/055645)
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[30] EP (20161529.1) 2020-03-06

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR IMPROVING RECAPTURE OF PROSTHETIC HEART VALVE DEVICE WITH STENT FRAME HAVING VALVE SUPPORT WITH INWARDLY STENT CELLS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'AMELIORATION DE RECAPTURE DE DISPOSITIF DE VALVE CARDIAQUE PROTHETIQUE A CADRE DE STENT DOTE D'UN SUPPORT DE VALVE A CELLULES DE STENT VERS L'INTERIEU**
[72] KHOUENGBOUA, SOUNTHARA, US
[72] KUMAR, SARAVANA, US
[72] BERNDT, JONATHAN, US
[71] CIPO, CA
[71] 4C MEDICAL TECHNOLOGIES, INC., US
[85] 2022-09-01
[86] 2020-12-07 (PCT/US2020/063591)
[87] (WO2021/178015)
[30] US (62/986,151) 2020-03-06
[30] US (62/987,413) 2020-03-10
[30] US (62/988,421) 2020-03-12
[30] US (62/989,209) 2020-03-13
[30] US (17/111,736) 2020-12-04

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[51] **Int.Cl. C04B 16/08 (2006.01) C04B 28/06 (2006.01) C04B 28/14 (2006.01) C08J 9/40 (2006.01) E04B 1/94 (2006.01)**
[25] EN
[54] **FIREPROOF HEAT INSULATING BOARD AND FIREPROOF HEAT INSULATING STRUCTURE**
[54]
[72] TABARA, KAZUTO, JP
[72] NAGASAKI, HIRONORI, JP
[72] MIZUTA, KOHEI, JP
[72] MITSUMOTO, MASANORI, JP
[72] SHIMOJO, YOSHINORI, JP
[72] KIKKAWA, HIRONOBU, JP
[71] JSP CORPORATION, JP
[71] DENKA COMPANY LIMITED, JP
[85] 2022-09-01
[86] 2021-03-03 (PCT/JP2021/008276)
[87] (WO2021/177378)
[30] JP (2020-037244) 2020-03-04

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[13] A1
[51] **Int.Cl. A47C 7/42 (2006.01) A47C 7/38 (2006.01) A47C 20/02 (2006.01)**
[25] EN
[54] **A SUPPORT UNIT FOR USE ON AN ARTICLE OF FURNITURE**
[54] **UNITE DE SUPPORT DESTINEE A ETRE UTILISEE SUR UN MEUBLE**
[72] KING, DAVID, AU
[72] PANAGOPOULOS, ANASTASIE, AU
[72] HARDWICK, DAVID, AU
[71] KING FURNITURE AUSTRALIA PTY LTD, AU
[85] 2022-09-01
[86] 2021-03-02 (PCT/AU2021/050177)
[87] (WO2021/174296)
[30] AU (2020900650) 2020-03-04

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[13] A1
[51] **Int.Cl. A61F 5/441 (2006.01) A61F 5/445 (2006.01)**
[25] EN
[54] **OSTOMY POUCH INCLUDING MULTI-STAGE FILTER PROTECTION**
[54] **POCHE DE STOMIE COMPRENANT UNE PROTECTION DE FILTRE A ETAGES MULTIPLES**
[72] CZAPLEWSKI, GREGORY J., US
[72] KUMAR, KANAV, US
[71] HOLLISTER INCORPORATED, US
[85] 2022-09-01
[86] 2021-03-18 (PCT/IB2021/000228)
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[30] US (62/992,648) 2020-03-20

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[51] **Int.Cl. A23L 33/10 (2016.01) A61K 8/49 (2006.01) A61K 31/4164 (2006.01) A61P 17/18 (2006.01) A61P 39/06 (2006.01) A61Q 1/02 (2006.01) A61Q 1/12 (2006.01) A61Q 5/02 (2006.01) A61Q 5/06 (2006.01) A61Q 5/12 (2006.01) A61Q 11/00 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **L-ERGOTHIONEINE-CONTAINING COMPOSITION**
[54]
[72] NAKATANI, TAKESHI, JP
[72] NAKASHIMA, NANAMI, JP
[71] NAGASE & CO., LTD., JP
[85] 2022-09-01
[86] 2021-03-04 (PCT/JP2021/008388)
[87] (WO2021/177397)
[30] JP (2020-036577) 2020-03-04

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[51] **Int.Cl. A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 277/42 (2006.01) C07D 277/46 (2006.01) C07D 277/54 (2006.01) C07D 417/04 (2006.01) C07D 417/06 (2006.01) C07D 417/10 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **EIF4E INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS D'EIF4E ET LEURS UTILISATIONS**
[72] VANDEUSEN, CHRISTOPHER L., US
[72] WALTS, ALAN E., US
[72] OR, YAT SUN, US
[71] PIC THERAPEUTICS, INC., US
[85] 2022-09-01
[86] 2021-03-03 (PCT/US2021/020597)
[87] (WO2021/178488)
[30] US (62/984,543) 2020-03-03

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[13] A1
[51] **Int.Cl. C08F 220/14 (2006.01) C08F 220/18 (2006.01) C08F 265/06 (2006.01)**
[25] EN
[54] **IMPROVED RESIN SYSTEM FOR INTUMESCENT COATINGS**
[54] **SYSTEME DE RESINE AMELIORE POUR REVETEMENTS INTUMESCENTS**
[72] KELLER, BRUNO, DE
[72] BALK, SVEN, DE
[71] ROHM GMBH, DE
[85] 2022-09-01
[86] 2021-02-26 (PCT/EP2021/054789)
[87] (WO2021/180488)
[30] EP (20162308.9) 2020-03-11

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[13] A1
[51] **Int.Cl. C10L 1/04 (2006.01)**
[25] EN
[54] **METHOD OF PROVIDING A BIO-OIL TO A HYDRODEOXYGENATION REACTOR**
[54] **PROCEDE DE FOURNITURE D'UNE BIO-HUILE A UN REACTEUR D'HYDRODESOXYGENATION**
[72] ABHARI, RAMIN, US
[72] TOMLINSON, H. LYNN, US
[72] JANNASCH, NATHAN, US
[72] BESHARA, DOUGLAS, US
[72] HANEY III, JESSE, US
[72] TIDWELL, CODY, US
[71] REG SYNTHETIC FUELS, LLC, US
[85] 2022-09-01
[86] 2021-03-02 (PCT/US2021/070214)
[87] (WO2021/178997)
[30] US (62/984,260) 2020-03-02

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[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/4375 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **COMPOUNDS TARGETING RNA-BINDING PROTEINS OR RNA-MODIFYING PROTEINS**
[54] **COMPOSES CIBLANT DES PROTEINES DE LIAISON A L'ARN OU DES PROTEINES MODIFIANT L'ARN**
[72] ERICSSON, ANNA M., US
[72] GHOSH, SHOMIR, US
[72] HARVEY, DARREN MARTIN, US
[71] TWENTYEIGHT-SEVEN, INC., US
[85] 2022-09-01
[86] 2021-03-02 (PCT/US2021/020494)
[87] (WO2021/178420)
[30] US (62/984,677) 2020-03-03

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/16 (2006.01) C07K 14/00 (2006.01) C07K 19/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **POLYPEPTIDE AFFINITY LIGANDS AND METHODS OF USING**
[54] **LIGANDS D'AFFINITE POLYPEPTIDIQUE ET LEURS METHODES D'UTILISATION**
[72] ZHANG, QUANXUAN, US
[72] SUMOSKI, JOSHUA, US
[72] OH, JUNGMIN, US
[72] LI, HONG, US
[72] FURA, JONATHAN, US
[72] DEORKAR, NANDU, US
[71] AVANTOR PERFORMANCE MATERIALS, LLC, US
[85] 2022-09-01
[86] 2021-02-05 (PCT/US2021/016890)
[87] (WO2021/158969)
[30] US (62/971,509) 2020-02-07
[30] US (63/064,213) 2020-08-11

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/50 (2018.01) A61B 5/02 (2006.01) A61B 5/026 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **DISTRIBUTED MEDICAL INTERVENTION TESTING ON A DIGITALLY SIMULATED PATIENT**
[54] **TEST D'INTERVENTION MEDICALE DISTRIBUEE SUR UN PATIENT SIMULE NUMERIQUEMENT**
[72] CONTARINO, CHRISTIAN, IT
[72] RIVIS, CARLO, IT
[71] COMPUTATIONAL LIFE INC., US
[85] 2022-09-01
[86] 2021-02-25 (PCT/US2021/019612)
[87] (WO2021/178203)
[30] US (62/983,932) 2020-03-02

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[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/44 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **AN AEROSOL GENERATING SYSTEM AND DEVICE INCLUDING A LIQUID CAPSULE AND A HOLDER WITH A HEATER**
[54] **SYSTEME ET DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UNE CAPSULE DE LIQUIDE ET UN SUPPORT DOTE D'UN DISPOSITIF DE CHAUFFAGE**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-01
[86] 2021-05-26 (PCT/IB2021/054594)
[87] (WO2021/240397)
[30] EP (20177259.7) 2020-05-28

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01)**
[25] EN
[54] **CORONAVIRUS DISEASE (COVID-19) VACCINE**
[54] **VACCIN CONTRE LA MALADIE A CORONAVIRUS (COVID-19)**
[72] SCHNELL, MATTHIAS J., US
[72] WIRBLICH, CHRISTOPH, DE
[72] KURUP, DRISHYA, US
[71] THOMAS JEFFERSON UNIVERSITY, US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021200)
[87] (WO2021/178886)
[30] US (62/986,396) 2020-03-06
[30] US (63/017,241) 2020-04-29

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[13] A1
[51] **Int.Cl. A61K 31/704 (2006.01) A61P 1/02 (2006.01)**
[25] EN
[54] **MEDICAL USE OF ANEMOSIDE B4 IN THE TREATMENT OF ORAL ULCERS**
[54]
[72] LIU, QI, CN
[71] LIU, QI, CN
[85] 2022-09-01
[86] 2020-03-03 (PCT/CN2020/077522)
[87] (WO2021/174406)

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/44 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE ELEMENT**
[54] **ELEMENT DE DISPOSITIF DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-01
[86] 2021-05-26 (PCT/IB2021/054575)
[87] (WO2021/240384)
[30] EP (20177121.9) 2020-05-28
[30] EP (20177127.6) 2020-05-28

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[13] A1
[51] **Int.Cl. C02F 1/52 (2006.01) C05G 5/12 (2020.01) B01D 19/00 (2006.01) B01D 21/01 (2006.01) C01B 25/45 (2006.01) C02F 1/58 (2006.01) C05B 19/00 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR SIZED NUTRIENT RECOVERY FROM WASTEWATER BY ELUTRIATION**
[54] **PROCEDE ET APPAREIL DE RECUPERATION DE NUTRIMENTS DIMENSIONNES DES EAUX USEES PAR ELUTRIATION**
[72] LOBANOV, SERGEY, CA
[71] LOBANOV, SERGEY, CA
[85] 2022-09-01
[86] 2021-03-26 (PCT/CA2021/050395)
[87] (WO2021/189148)
[30] US (16/832,507) 2020-03-27

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[13] A1
[51] **Int.Cl. B66D 1/28 (2006.01) B66D 1/60 (2006.01)**
[25] EN
[54] **HOIST FOR VEHICLE WITH INTERCHANGEABLE BODY**
[54] **ELEVATEUR POUR VEHICULE A CARROSSERIE INTERCHANGEABLE**
[72] SCHUMACHER, ANDREW J., US
[72] BURNS, JEFFREY M., US
[71] DEIST INDUSTRIES, INC., US
[85] 2022-09-01
[86] 2021-03-01 (PCT/US2021/020281)
[87] (WO2021/178308)
[30] US (16/808,610) 2020-03-04

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[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **INSTRUMENT DELIVERY DEVICES, SYSTEMS, AND METHODS TO EXTEND THROUGH A THROMBUS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DISTRIBUTION D'INSTRUMENT POUR S'ETENDRE A TRAVERS UN THROMBUS**
[72] MA, YIPING, US
[72] CICILIANO, JORDAN, US
[72] BURKHOLZ, JONATHAN KARL, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-09-01
[86] 2021-02-26 (PCT/US2021/020059)
[87] (WO2021/183307)
[30] US (62/987,231) 2020-03-09
[30] US (17/183,098) 2021-02-23

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[13] A1
[51] **Int.Cl. F28D 7/10 (2006.01) F28D 7/00 (2006.01) F28D 7/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURING AND OPERATING A COAXIAL TUBE HEAT EXCHANGER**
[54] **SYSTEME ET PROCEDE DE FABRICATION ET DE FONCTIONNEMENT D'UN ECHANGEUR DE CHALEUR A TUBE COAXIAL**
[72] WILSON, MICHAEL, US
[71] DAIKIN APPLIED AMERICAS, INC., US
[85] 2022-09-01
[86] 2021-03-02 (PCT/US2021/020536)
[87] (WO2021/178447)
[30] US (62/984,525) 2020-03-03

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[13] A1
[51] **Int.Cl. F02D 11/04 (2006.01) G05G 1/04 (2006.01) G05G 5/06 (2006.01) A01D 34/68 (2006.01) F02D 11/02 (2006.01)**
[25] EN
[54] **A THROTTLE CONTROL MECHANISM FOR A SURFACING MACHINE**
[54] **MECANISME DE COMMANDE DES GAZ POUR UNE MACHINE DE SURFACAGE**
[72] FOGELBERG, ANDREAS, SE
[71] HUSQVARNA AB, SE
[85] 2022-09-01
[86] 2021-02-11 (PCT/SE2021/050108)
[87] (WO2021/177872)
[30] SE (2050249-8) 2020-03-05

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[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-GLYCAN ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-GLYCANE ET LEURS UTILISATIONS**
[72] PRESTA, LEONARD, US
[72] LIANG, TONY, US
[72] CHENG, JENNIFER, US
[71] PTM THERAPEUTICS, INC., US
[85] 2022-09-01
[86] 2021-03-16 (PCT/US2021/022627)
[87] (WO2021/188591)
[30] US (62/990,927) 2020-03-17
[30] US (63/037,374) 2020-06-10
[30] US (63/074,956) 2020-09-04

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[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01) G06Q 20/08 (2012.01) G06Q 20/14 (2012.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **MULTI-INSTANCE, MULTI-USER ORDERING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE COMMANDE MULTI-UTILISATEUR MULTI-INSTANCE**
[72] ELLIS, ANTHONY, AU
[72] KASBARIAN, JOHN, AU
[72] CURRAN, STEVEN, AU
[72] BEALE, HOWARD, AU
[71] WHO'S SHOUT PTY LTD, AU
[85] 2022-09-01
[86] 2021-03-02 (PCT/AU2021/050178)
[87] (WO2021/174297)
[30] AU (2020900640) 2020-03-03

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[13] A1
[51] **Int.Cl. C07C 59/185 (2006.01) C07D 307/12 (2006.01) C12P 19/02 (2006.01)**
[25] EN
[54] **HIGH SOLIDS ALKALINE OXIDATION AND BIOMETHANE CONVERSION OF RESIDUAL LIGNIN**
[54] **OXYDATION ALCALINE A HAUTE TENEUR EN SOLIDES ET CONVERSION BIORNETHANE DE LIGNINE RESIDUELLE**
[72] CASAD, ROBERT C., DK
[71] CASAD, ROBERT C., DK
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[86] 2021-03-03 (PCT/US2021/020567)
[87] (WO2021/178468)
[30] US (62/984,302) 2020-03-03

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[13] A1
[51] **Int.Cl. H04N 21/24 (2011.01) H04N 21/442 (2011.01)**
[25] EN
[54] **MEDIA PROGRAM VIEWERSHIP MEASUREMENT USING BLOCKCHAINS**
[54] **MESURE D'AUDIENCE DE PROGRAMME MULTIMEDIA A L'AIDE DE CHAINES DE BLOCS**
[72] BHUYAN, SUDEEPTA, IN
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-09-01
[86] 2021-03-02 (PCT/US2021/020535)
[87] (WO2021/178446)
[30] US (62/984,645) 2020-03-03

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS FOR TREATING OBSTRUCTIVE SLEEP APNEA**
[54] **SYSTEME POUR TRAITER L'APNEE OBSTRUCTIVE DU SOMMEIL**
[72] GREENBERG, ROBERT J., US
[72] SURI, HARSHIT R., US
[72] CALDERON, JOSEPH L., US
[72] DEARDEN, BRIAN R., US
[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2022-09-01
[86] 2021-03-23 (PCT/US2021/023761)
[87] (WO2021/195135)
[30] US (62/993,580) 2020-03-23

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[13] A1
[51] **Int.Cl. G10D 3/18 (2020.01) G10D 1/02 (2006.01) G10D 3/04 (2020.01)**
[25] EN
[54] **VIOLIN SHOULDER REST WITH MOVABLE PAD**
[54] **EPAULIERE DE VIOLON A COUSSINET MOBILE**
[72] FARHA, JULIANA, CA
[72] JAMES, ALED, GB
[71] THE KUN SHOULDER REST INC., CA
[85] 2022-09-01
[86] 2021-03-02 (PCT/CA2021/050268)
[87] (WO2021/174350)
[30] US (62/986,371) 2020-03-06

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[13] A1
[51] **Int.Cl. G02C 5/00 (2006.01) A61F 9/02 (2006.01) G02C 5/12 (2006.01)**
[25] EN
[54] **COMFORT FIT SLIP-RESISTANT EYEWEAR SYSTEM**
[54] **SYSTEME DE LUNETTES ANTIDERAPANT A AJUSTEMENT CONFORTABLE**
[72] LOO, KENT CHILL, US
[72] VELASQUEZ, JOSEPH PEPE ELIJIO, US
[72] ALLEN, DANIEL W., US
[72] BARRETT, JOSEPH M., US
[71] LOOLOOPS, LLC, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020896)
[87] (WO2021/178680)
[30] US (62/985,210) 2020-03-04

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**
[72] TUNCER, SERVET, DE
[72] DANILENKO, EVGENII, DE
[72] TSKHAY, LEONID, PL
[72] BORNE, PATRICE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-01
[86] 2021-04-09 (PCT/EP2021/059290)
[87] (WO2021/204996)
[30] EP (20168909.8) 2020-04-09

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[13] A1
[51] **Int.Cl. G08B 21/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR AGGREGATED GAS DETECTION**
[54] **APPAREIL ET PROCEDES DE DETECTION DES GAZ AGREGES**
[72] MILLER, JUSTIN, CA
[72] SEIFY, LOHRASP, CA
[72] BRISCOE, MICHAEL, CA
[71] BLACKLINE SAFETY CORP., CA
[85] 2022-09-01
[86] 2021-07-06 (PCT/CA2021/050920)
[87] (WO2022/006663)
[30] US (63/048,988) 2020-07-07

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/50 (2006.01) G01N 33/558 (2006.01) G01N 33/564 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING A LEVEL OF A CELL FRAGMENT-BOUND COMPLEMENT ACTIVATION PRODUCT**
[54] **PROCEDES DE DETERMINATION D'UN NIVEAU D'UN PRODUIT D'ACTIVATION DU COMPLEMENT LIE A UN FRAGMENT DE CELLULE**
[72] AHEARN, JOSEPH M., US
[72] LIU, CHAU-CHING, US
[71] ALLEGHENY SINGER RESEARCH INSTITUTE, US
[85] 2022-09-01
[86] 2021-09-28 (PCT/US2021/052437)
[87] (WO2022/067259)
[30] US (63/084,432) 2020-09-28
[30] US (63/248,962) 2021-09-27

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[13] A1
[51] **Int.Cl. C07D 213/79 (2006.01) C07D 213/81 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 5-CHLORO-3-ALKYLSULFANYL-PYRIDINE-2-CARBOXYLIC ACID AMIDES AND CARBOXYLATES**
[54] **PROCEDE DE PREPARATION DE CARBOXYLATES ET D'AMIDES D'ACIDE 5-CHLORO-3-ALKYLSULFANYL-PYRIDINE-2-CARBOXYLIQUE**
[72] SMITS, HELMARS, CH
[72] MONACO, MATTIA RICCARDO, CH
[72] DUMEUNIER, RAPHAEL, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-09-01
[86] 2021-03-03 (PCT/EP2021/055400)
[87] (WO2021/175959)
[30] EP (20160977.3) 2020-03-04

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[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR PREDICTING GAS SENSOR SENSITIVITY CHANGES**
[54] **APPAREIL ET PROCEDES DE PREDICTION DE VARIATIONS DE SENSIBILITE DE CAPTEUR DE GAZ**
[72] BRISCOE, MICHAEL, CA
[72] SEIFY, LOHRASP, CA
[72] MILLER, JUSTIN, CA
[71] BLACKLINE SAFETY CORP., CA
[85] 2022-09-01
[86] 2021-08-17 (PCT/CA2021/051132)
[87] (WO2022/036441)
[30] US (63/067,093) 2020-08-18

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[13] A1
[51] **Int.Cl. G06F 3/023 (2006.01)**
[25] EN
[54] **ELECTRONIC INPUT SYSTEM**
[54] **SYSTEME DE SAISIE ELECTRONIQUE**
[72] DOWNEY, JOHN WALTER, US
[71] DOWNEY, JOHN WALTER, US
[85] 2022-09-01
[86] 2021-02-28 (PCT/US2021/020156)
[87] (WO2021/178255)
[30] US (16/805,892) 2020-03-02

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[13] A1
[51] **Int.Cl. A61K 38/02 (2006.01) A61K 39/395 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **PROTEASE-PROCESSED MOLECULES**
[54] **MOLECULES TRAITEES PAR UNE PROTEASE**
[72] LANGER, THOMAS, DE
[72] RAO, ERCOLE, DE
[72] WEIL, SANDRA, DE
[71] SANOFI, FR
[85] 2022-09-01
[86] 2021-03-05 (PCT/EP2021/055673)
[87] (WO2021/176090)
[30] EP (20305233.7) 2020-03-05

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[13] A1
[51] **Int.Cl. G06F 16/25 (2019.01) G06F 8/34 (2018.01)**
[25] EN
[54] **GENERATION OF OPTIMIZED LOGIC FROM A SCHEMA**
[54] **GENERATION DE LOGIQUE OPTIMISEE A PARTIR D'UN SCHEMA**
[72] EGENOLF, JONAH, US
[72] ISMAN, MARSHALL A., US
[72] SCHECHTER, IAN, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020871)
[87] (WO2021/178665)
[30] US (62/986,374) 2020-03-06
[30] US (17/025,751) 2020-09-18

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[13] A1
[51] **Int.Cl. A61K 31/513 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION OF AN LSD-1 INHIBITOR AND NIVOLUMAB FOR USE IN TREATING SCLC OR SQNSCLC**
[54] **COMBINAISON D'UN INHIBITEUR DE LSD-1 ET DE NIVOLUMAB POUR UNE UTILISATION DANS LE TRAITEMENT DU SCLC OU DU SQNSCLC**
[72] FILVAROFF, ELLEN, US
[72] ARONCHIK, IDA, US
[72] CHOW, TRACY, US
[72] OLSON, ERIC, US
[72] FOX, BRIAN, US
[72] WANG, MARIA, US
[71] CELGENE QUANTICEL RESEARCH, INC., US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021101)
[87] (WO2021/178807)
[30] US (62/986,541) 2020-03-06

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[13] A1
[51] **Int.Cl. A47K 7/00 (2006.01) D21H 11/00 (2006.01) D21H 13/02 (2006.01) D21H 17/21 (2006.01) D21H 17/25 (2006.01) D21H 17/28 (2006.01) D21H 27/00 (2006.01)**
[25] EN
[54] **PLASTIC FREE WET WIPES WITH HIGH BULK & WET STRENGTH**
[54] **LINGETTES HUMIDES EXEMPTES DE PLASTIQUE A GRANDE VOLUMINOSITE ET RESISTANTES A L'HUMIDITE**
[72] KNOWLSON, RICHARD PAUL, US
[72] KOELE, MATTHEW LEE, US
[72] ROBERTS, MATTHEW RUSSELL, US
[72] LOPEZ, FERNANDO ROMO, US
[71] ROCKLINE INDUSTRIES INC., US
[85] 2022-09-01
[86] 2021-03-25 (PCT/US2021/024198)
[87] (WO2021/195408)
[30] US (62/994,586) 2020-03-25
[30] US (17/212,675) 2021-03-25

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 35/19 (2015.01) A61K 8/891 (2006.01) A61K 35/14 (2015.01) A61P 17/02 (2006.01)**
[25] EN
[54] **BLOOD PREPARATION USEFUL FOR WOUND HEALING AND TISSUE REGENERATION**
[54] **PREPARATION DE SANG UTILE POUR LA CICATRISATION DE PLAIES ET LA REGENERATION TISSULAIRE**
[72] ERRATICO, SILVIA, IT
[72] ORLANDI, MASSIMO, IT
[71] NOVYSTEM S.P.A., IT
[85] 2022-09-01
[86] 2021-03-05 (PCT/EP2021/055552)
[87] (WO2021/176035)
[30] EP (20161201.7) 2020-03-05

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[13] A1
[51] **Int.Cl. B22C 1/22 (2006.01) B29C 64/165 (2017.01)**
[25] EN
[54] **METHOD FOR THE LAYER-BY-LAYER PRODUCTION OF A CURED THREE-DIMENSIONAL SHAPED BODY, SHAPED BODY OBTAINABLE BY THE METHOD, AND USE THEREOF**
[54] **PROCEDE POUR LA PRODUCTION COUCHE PAR COUCHE D'UN CORPS FACONNE TRIDIMENSIONNEL DURCI, CORPS FACONNE POUVANT ETRE OBTENU PAR LE PROCEDE ET UTILISATION DE CELUI-CI**
[72] BARTELS, DENNIS, DE
[72] POLSAKIEWICZ, DOMINIK, DE
[71] ASK CHEMICALS GMBH, DE
[85] 2022-09-01
[86] 2021-06-14 (PCT/EP2021/065939)
[87] (WO2021/254953)
[30] DE (10 2020 003 562.0) 2020-06-15

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[13] A1
[51] **Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/6816 (2018.01)**
[25] EN
[54] **NUCLEIC ACID FLUORESCENCE DETECTION**
[54] **DETECTION PAR FLUORESCENCE D'ACIDE NUCLEIQUE**
[72] VAN LEEUWEN, HANS CHRISTIAAN, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2022-09-01
[86] 2021-03-05 (PCT/NL2021/050154)
[87] (WO2021/177833)
[30] EP (20161291.8) 2020-03-05

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[13] A1
[51] **Int.Cl. C08B 37/00 (2006.01)**
[25] EN
[54] **PROCESS FOR DIRECT SULFATION OF POLYSACCHARIDES IN AN ECOLOGICALLY ACCEPTABLE SOLVENT**
[54] **PROCEDE DE SULFATATION DIRECTE DE POLYSACCHARIDES DANS UN SOLVANT ECOLOGIQUEMENT ACCEPTABLE**
[72] BAZZA, PAOLA, IT
[72] BIANCHI, DAVIDE, IT
[72] TAGLIANI, AURO ROBERTO, IT
[71] LESAFFRE ET COMPAGNIE, FR
[85] 2022-09-01
[86] 2021-03-02 (PCT/IB2021/051714)
[87] (WO2021/176341)
[30] IT (102020000004564) 2020-03-04

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[13] A1
[51] **Int.Cl. H04L 47/10 (2022.01) H04L 47/2425 (2022.01) H04L 45/76 (2022.01)**
[25] EN
[54] **SYSTEM AND RELATED METHODS PROVIDING CHANNEL SWITCHING BETWEEN APPLIANCES**
[54] **SYSTEME ET PROCEDES ASSOCIES FOURNISSANT UNE COMMUTATION DE CANAL ENTRE DES APPAREILS**
[72] MOMCHILOV, GEORGY, US
[72] VAN ROTTERDAM, JEROEN, US
[71] CITRIX SYSTEMS, INC., US
[85] 2022-09-01
[86] 2021-04-12 (PCT/US2021/026774)
[87] (WO2021/242420)
[30] US (16/885,430) 2020-05-28

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[13] A1
[51] **Int.Cl. A61K 31/015 (2006.01) A61K 31/724 (2006.01) A61K 38/47 (2006.01) A61P 11/10 (2006.01) A61P 11/12 (2006.01)**
[25] EN
[54] **ORAL TERPENE CYCLODEXTRIN INCLUSION COMPLEX VEHICLES**
[54] **VEHICULES DE COMPLEXES D'INCLUSION DE CYCLODEXTRINE TERPENE ORAUX**
[72] CZAP, AL, US
[71] CZAP RESEARCH AND DEVELOPMENT, LLC, US
[85] 2022-09-01
[86] 2021-03-23 (PCT/IB2021/052411)
[87] (WO2021/191803)
[30] US (62/993,346) 2020-03-23

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **MODIFIED SHORT INTERFERING NUCLEIC ACID (SINA) MOLECULES AND USES THEREOF**
[54] **MOLECULES D'ACIDE NUCLEIQUE INTERFERENT COURT MODIFIEES (SINA) ET LEURS UTILISATIONS**
[72] BEIGELMAN, LEONID, US
[72] RAJWANSHI, VIVEK KUMAR, US
[72] HOSSBACH, MARKUS, DE
[72] PANDEY, RAJENDRA K., US
[72] HONG, JIN, US
[72] ELTEPU, LAXMAN, US
[72] MONTERO, SAUL MARTINEZ, US
[72] DE COSTA, N. TILANI S., US
[71] ALIGOS THERAPEUTICS, INC., US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021199)
[87] (WO2021/178885)
[30] US (62/986,150) 2020-03-06
[30] US (63/109,196) 2020-11-03

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[13] A1
[51] **Int.Cl. A61K 31/426 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THE RAD51 INHIBITOR COMPOUND 67A (2301085-06-1) AT A SPECIFIC DOSAGE FOR TREATING CANCER**
[54] **COMPOSE 67A INHIBITEUR DE RAD51 (2301085-06-1) A UNE DOSE SPECIFIQUE POUR LE TRAITEMENT DU CANCER**
[72] O?SHEA, THOMAS, US
[72] RENSCHLER, MARKUS, US
[72] BOWSER, TODD, US
[72] LAPIERRE, JEAN-MARC, US
[72] MILLS, KEVIN, US
[71] CYTEIR THERAPEUTICS, INC., US
[85] 2022-09-01
[86] 2021-03-03 (PCT/US2021/020661)
[87] (WO2021/178531)
[30] US (62/984,765) 2020-03-03
[30] US (63/148,683) 2021-02-12

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[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/30 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **CONSUMABLE ARTICLE FOR AN AEROSOL GENERATING DEVICE**
[54] **ARTICLE CONSOMMABLE POUR UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-01
[86] 2021-05-26 (PCT/IB2021/054579)
[87] (WO2021/240386)
[30] EP (20177014.6) 2020-05-28

[21] **3,170,470**
[13] A1
[51] **Int.Cl. B60K 11/08 (2006.01)**
[25] EN
[54] **LINKAGE FOR IMPROVED DIAGNOSTICS FOR KINEMATIC ASSEMBLY**
[54] **MECANISME DE LIAISON POUR DIAGNOSTIC AMELIORE D'ENSEMBLE CINEMATIQUE**
[72] MANHIRE, JEFFREY B., US
[72] LINDBERG, BRAENDON R., US
[72] VANDERSLUIS, DANIEL, US
[71] MAGNA EXTERIORS INC, CA
[85] 2022-09-01
[86] 2021-03-03 (PCT/US2021/020611)
[87] (WO2021/178498)
[30] US (62/984,686) 2020-03-03

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[13] A1
[51] **Int.Cl. A24F 40/44 (2020.01) A24F 40/46 (2020.01) A24F 40/485 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING SYSTEM**
[54] **SYSTEME DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-01
[86] 2021-05-26 (PCT/IB2021/054588)
[87] (WO2021/240393)
[30] EP (20177098.9) 2020-05-28

[21] **3,170,473**
[13] A1
[51] **Int.Cl. F02D 19/00 (2006.01) F02D 19/02 (2006.01) F02D 19/06 (2006.01) F02D 41/00 (2006.01)**
[25] EN
[54] **NATURAL GAS ENGINES WITH FUEL QUALITY DETERMINATION**
[54] **MOTEURS A GAZ NATUREL AVEC DETERMINATION DE QUALITE DE COMBUSTIBLE**
[72] BARTON, TIMOTHY J., US
[72] GUGLIELMO, KENNON, US
[72] SANDERS, JUSTIN H., US
[72] HAMBIDGE, MICHAEL, US
[72] WESTERDALE, TIMOTHY, US
[72] COLE, JAMES, US
[72] STOVELL, CHAD, US
[71] GUGLIELMO, KENNON, US
[71] SANDERS, JUSTIN H., US
[71] HAMBIDGE, MICHAEL, US
[71] WESTERDALE, TIMOTHY, US
[71] COLE, JAMES, US
[71] STOVELL, CHAD, US
[85] 2022-09-01
[86] 2021-03-02 (PCT/US2021/020557)
[87] (WO2021/178461)
[30] US (62/983,840) 2020-03-02

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[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01) G01N 27/403 (2006.01) G01N 27/416 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/553 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **REAGENTLESS ELECTROCHEMICAL BIOSENSOR**
[54] **BIOCAPTEUR ELECTROCHIMIQUE SANS REACTIF**
[72] SARGENT, EDWARD H., CA
[72] GOMIS, SURATH, CA
[72] CHEN, JENISE B., CA
[72] AHMED, SHARIF, CA
[72] YOUSEFI, HANIE, CA
[72] KELLEY, SHANA, CA
[72] DAS, JAGOTAMOY, CA
[72] CHANG, DINGRAN, CA
[72] MAHMUD, ALAM, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2022-09-01
[86] 2021-03-02 (PCT/CA2021/050270)
[87] (WO2021/174352)
[30] US (62/984,080) 2020-03-02
[30] US (63/035,338) 2020-06-05

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[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/112 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **LIVE SALMONELLA TYPHI VECTORS ENGINEERED TO EXPRESS PROTEIN ANTIGENS AND METHODS OF USE THEREOF**
[54] **VECTEURS DE SALMONELLA TYPHI VIVANTS MODIFIES POUR EXPRIMER DES ANTIGENES DE PROTEINES ET LEURS PROCEDES D'UTILISATION**
[72] CHEN, WANGXUE, CA
[72] PHAM, THANH, US
[72] GALEN, JAMES E., US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021206)
[87] (WO2021/178891)
[30] US (62/985,709) 2020-03-05

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[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/112 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 1/21 (2006.01) C12N 15/03 (2006.01)**
[25] EN
[54] **LIVE SALMONELLA TYPHI VECTORS ENGINEERED TO EXPRESS CANCER PROTEIN ANTIGENS AND METHODS OF USE THEREOF**
[54] **VECTEURS VIVANTS DE SALMONELLA TYPHI MODIFIES POUR EXPRIMER DES ANTIGENES DE PROTEINES CANCEREUSES ET LEURS PROCEDES D'UTILISATION**
[72] GALEN, JAMES E., US
[72] PHAM, THANH, US
[72] CHACON, MARCO, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[71] IRAZU, BIO LLC, US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021202)
[87] (WO2021/178888)
[30] US (62/985,699) 2020-03-05

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[13] A1
[51] **Int.Cl. B29C 49/12 (2006.01) B29C 31/10 (2006.01) B29C 35/08 (2006.01) B29C 49/28 (2006.01) B29C 49/30 (2006.01) B29C 49/42 (2006.01) B29C 49/48 (2006.01) B29C 49/58 (2006.01) B29C 49/64 (2006.01) B29C 49/68 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING PLASTIC CONTAINERS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE RECIPIENTS EN PLASTIQUE**
[72] CATELLI, ROBERTO, IT
[72] SGORLON, MARCO, IT
[72] ROSADA, MANUEL, IT
[72] TONTI, STEFANO, IT
[71] SIAPI S.R.L., IT
[85] 2022-09-01
[86] 2021-03-10 (PCT/IB2021/051989)
[87] (WO2021/181299)
[30] IT (102020000005350) 2020-03-12

[21] **3,170,481**
[13] A1
[25] FR
[54] **METHOD FOR ASSISTING IN THE DETECTION OF ELEMENTS, AND ASSOCIATED DEVICE AND PLATFORM**
[54] **PROCEDE D'AIDE A LA DETECTION D'ELEMENTS, DISPOSITIF ET PLATEFORME ASSOCIES**
[72] DELACOURT, DOMINIQUE, FR
[72] COCLE, OLIVIER, FR
[72] VERDY, OLIVIER, FR
[72] BON, DOMINIQUE, FR
[72] PERRUCHOT, LUDOVIC, FR
[72] LE MEUR, ALAIN, FR
[72] LE GUSQUET, FREDERIC, FR
[71] THALES, FR
[85] 2022-09-01
[86] 2021-03-03 (PCT/EP2021/055355)
[87] (WO2021/175930)
[30] FR (FR2002127) 2020-03-03

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[51] **Int.Cl. A01N 25/10 (2006.01) C08K 3/015 (2018.01) A01N 25/34 (2006.01) A01N 59/16 (2006.01) C08K 3/10 (2018.01) D01F 1/10 (2006.01) D01F 6/90 (2006.01)**
[25] EN
[54] **ANTIVIRAL/ANTIMICROBIAL POLYMER COMPOSITIONS, FIBERS, AND PRODUCTS**
[54] **COMPOSITIONS POLYMERES ANTIVIRALES/ANTIMICROBIENNES, FIBRES ET PRODUITS**
[72] GOPAL, VIKRAM, US
[72] YUNG, WAI-SHING, US
[72] ORTEGA, ALBERT, US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020887)
[87] (WO2021/178673)
[30] US (62/985,091) 2020-03-04
[30] US (63/000,717) 2020-03-27
[30] US (63/105,051) 2020-10-23

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/11 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING USER INTENTION FROM LIMB OR BODY MOTION OR TRAJECTORY TO CONTROL NEUROMUSCULAR STIMUATION OR PROSTHETIC DEVICE OPERATION**
[54] **SYSTEME ET PROCEDE POUR DETERMINER UNE INTENTION D'UTILISATEUR A PARTIR D'UN MOUVEMENT OU D'UNE TRAJECTOIRE D'UN MEMBRE OU DU CORPS POUR COMMANDER UNE STIMULATION NEUROMUSCULAIRE OU UNE OPERATION DE DISPOSITIF PROTHETIQU**
[72] BOUTON, CHAD EDWARD, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
[85] 2022-09-01
[86] 2021-03-05 (PCT/US2021/021232)
[87] (WO2021/178914)
[30] US (62/985,951) 2020-03-06

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/00 (2006.01) A61B 5/113 (2006.01)**
[25] EN
[54] **ACOUSTIC SENSING FOR RESPIRATION DETECTION**
[54] **DETECTION ACOUSTIQUE POUR DETECTION DE LA RESPIRATION**
[72] SHELTON, BRIAN M., US
[72] ELYAHOODAYAN, SAHAR, US
[72] SURI, HARSHIT R., US
[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2022-09-01
[86] 2021-04-12 (PCT/US2021/026916)
[87] (WO2021/207740)
[30] US (63/008,118) 2020-04-10

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[13] A1
[51] **Int.Cl. A01N 25/10 (2006.01) C08K 3/015 (2018.01) A01N 25/34 (2006.01) A01N 59/16 (2006.01) A01N 59/20 (2006.01) A01P 1/00 (2006.01) C08K 3/10 (2018.01)**
[25] EN
[54] **ANTIVIRAL ARTICLES**
[54] **ARTICLES ANTIVIRAUX**
[72] GOPAL, VIKRAM, US
[72] YUNG, WAI-SHING, US
[72] ORTEGA, ALBERT, US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020897)
[87] (WO2021/178681)
[30] US (62/985,091) 2020-03-04
[30] US (63/000,717) 2020-03-27
[30] US (63/105,051) 2020-10-23

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[13] A1
[51] **Int.Cl. C12P 19/34 (2006.01) A61K 45/06 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **EXOSOMAL NUCLEIC ACID VACCINE MODULARLY CONFIGURED TO HARNESS MULTIPLE ANTIGEN PRESENTATION MECHANISMS**
[54] **VACCIN A BASE D'ACIDE NUCLEIQUE EXOSOMAL CONCU DE FACON MODULAIRE POUR EXPLOITER DE MULTIPLES MECANISMES DE PRESENTATION D'ANTIGENES**
[72] GOULD, STEPHEN JOHN, US
[72] MARBAN, LINDA, US
[72] WARSI, TARIQ HUSSAIN, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] CAPRICOR, INC., US
[85] 2022-09-01
[86] 2021-03-12 (PCT/US2021/022222)
[87] (WO2021/183961)
[30] US (62/989,525) 2020-03-13
[30] US (62/990,946) 2020-03-17
[30] US (63/000,211) 2020-03-26
[30] US (63/061,766) 2020-08-05
[30] US (63/108,847) 2020-11-02
[30] US (63/110,325) 2020-11-05
[30] US (63/155,268) 2021-03-01

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[13] A1
[51] **Int.Cl. A01N 25/10 (2006.01) A01N 25/34 (2006.01) A01N 57/00 (2006.01) A01N 59/16 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL/ANTIVIRAL PLASTICS AND MOLDED PRODUCTS**
[54] **MATIERES PLASTIQUES ANTIMICROBIENNES/ANTIVIRALES ET PRODUITS MOULES**
[72] GOPAL, VIKRAM, US
[72] YUNG, WAI-SHING, US
[72] ORTEGA, ALBERT, US
[72] SPARKS, BRADLEY J., US
[72] SURIANO, JOSEPH, US
[72] MAPLES, AUSTIN, US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2022-09-01
[86] 2021-03-04 (PCT/US2021/020893)
[87] (WO2021/178677)
[30] US (62/985,091) 2020-03-04
[30] US (63/000,717) 2020-03-27
[30] US (63/105,051) 2020-10-23

[21] **3,170,502**
[13] A1
[51] **Int.Cl. A61N 7/00 (2006.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR DETECTING A FAULT IN ACOUSTIC COUPLING BETWEEN AN ULTRASONIC DEVICE AND A TISSUE TO BE TREATED**
[54] **PROCEDE ET SYSTEME POUR LA DETECTION D'UN DEFAUT DE COUPLAGE ACOUSTIQUE ENTRE UN DISPOSITIF ULTRASONORE ET UN TISSU A TRAITER**
[72] BOUCHOUX, GUILLAUME, FR
[72] CHOLVY, MATTHIEU, FR
[72] MARTIN, CYRIL, FR
[71] CARTHERA, FR
[85] 2022-09-01
[86] 2021-03-02 (PCT/EP2021/055140)
[87] (WO2021/175828)
[30] FR (FR2002062) 2020-03-02

[21] **3,170,503**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 47/66 (2017.01) A61K 45/06 (2006.01)**
[25] EN
[54] **STAT DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION DE STAT ET LEURS UTILISATIONS**
[72] JI, NAN, US
[72] YANG, BIN, US
[72] ZHENG, XIAOZHANG, US
[72] ZHU, XIAO, US
[71] KYMERA THERAPEUTICS, INC., US
[85] 2022-09-01
[86] 2021-03-17 (PCT/US2021/022794)
[87] (WO2021/188696)
[30] US (62/990,555) 2020-03-17
[30] US (63/088,945) 2020-10-07
[30] US (63/123,335) 2020-12-09
[30] US (63/159,102) 2021-03-10

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[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/72 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **DELIVERY OF COSMETIC AGENTS, COMPOSITIONS AND USE THEREOF**
[54] **DISTRIBUTIONS D'AGENTS COSMETIQUES, ET COMPOSITIONS ET UTILISATION DE CEUX-CI**
[72] SHAH, SNEHAL, US
[72] BRATESCU, DANIELA, US
[72] COHEN, ISAAC DAVID, US
[72] ZHOU, ZHIHAN, US
[72] SMAIL, MARY ANN, US
[72] SOJKA, MILAN FRANZ, US
[72] COLAS, JOE H., US
[72] LANDA, PETER A., US
[71] ELC MANAGEMENT LLC, US
[85] 2022-09-02
[86] 2021-03-01 (PCT/US2021/020176)
[87] (WO2021/178260)
[30] US (62/984,168) 2020-03-02

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[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/73 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **METHODS FOR REPAIRING SKIN USING NANOFIBERS**
[54] **PROCEDES DE REPARATION DE LA PEAU UTILISANT DES NANOFIBRES**
[72] BRATESCU, DANIELA, US
[72] COHEN, ISAAC DAVID, US
[72] ZHOU, ZHIHAN, US
[72] LANDA, PETER A., US
[72] SOJKA, MILAN FRANZ, US
[71] ELC MANAGEMENT LLC, US
[85] 2022-09-02
[86] 2021-03-01 (PCT/US2021/020177)
[87] (WO2021/178261)
[30] US (62/984,179) 2020-03-02

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[13] A1
[51] **Int.Cl. B01J 20/30 (2006.01) C07F 7/02 (2006.01)**
[25] EN
[54] **SILOXANE TREATMENT VESSEL REGENERATION**
[54] **REGENERATION DE CUVE DE TRAITEMENT AU SILOXANE**
[72] WILLIAMS, SHAZAM S., CA
[72] HU, LINJIE, CA
[72] PRISCIAK, GLEN THOMAS, CA
[71] GRANITEFUEL ENGINEERING INC., CA
[85] 2022-09-02
[86] 2021-03-02 (PCT/CA2021/050267)
[87] (WO2021/174349)
[30] US (62/984,009) 2020-03-02

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[13] A1
[51] **Int.Cl. A23L 19/10 (2016.01) A23L 19/20 (2016.01) A23L 33/135 (2016.01) A23C 9/123 (2006.01) A23C 9/133 (2006.01)**
[25] EN
[54] **PROCESSES FOR SWEET POTATO FERMENTATION AND DAIRY ALTERNATIVE PRODUCTS OBTAINED**
[54] **PROCEDES DE FERMENTATION DE PATATES DOUCES ET PRODUITS DE REMPLACEMENT DU LAIT OBTENUS**
[72] LATTIMORE, SHAWNA, US
[71] LATTIMORE, SHAWNA, US
[85] 2022-09-02
[86] 2021-03-15 (PCT/US2021/022302)
[87] (WO2021/188407)
[30] US (62/992,256) 2020-03-20
[30] US (63/108,951) 2020-11-03

[21] **3,170,529**
[13] A1
[51] **Int.Cl. C04B 26/04 (2006.01) C04B 26/06 (2006.01) C04B 26/28 (2006.01)**
[25] EN
[54] **LOW SHRINKAGE, FAST DRYING SPACKLING OR JOINT COMPOUND**
[54] **PLATRE DE REBOUCHAGE OU MASTIC DE JOINTOIEMENT A FAIBLE RETRAIT ET SECHAGE RAPIDE**
[72] KINCAID, TYLER, US
[72] BURY, RAFAEL, US
[71] KNAUF GIPS KG, DE
[85] 2022-09-02
[86] 2021-02-25 (PCT/US2021/019672)
[87] (WO2021/178215)
[30] US (62/986,353) 2020-03-06
[30] US (17/157,049) 2021-01-25

[21] **3,170,530**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) C07C 11/06 (2006.01)**
[25] EN
[54] **PROCESSES FOR UPGRADING ALKANES AND ALKYL AROMATIC HYDROCARBONS**
[54] **PROCEDES DE VALORISATION D'ALCANES ET D'HYDROCARBURES AROMATIQUES ALKYLIQUES**
[72] BAO, XIAOYING, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2022-09-02
[86] 2021-02-02 (PCT/US2021/016190)
[87] (WO2021/178088)
[30] US (62/986,229) 2020-03-06
[30] EP (20179508.5) 2020-06-11

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[13] A1
[51] **Int.Cl. H05H 1/34 (2006.01) H05H 1/38 (2006.01) H05H 1/42 (2006.01)**
[25] EN
[54] **MODIFIED CATHODE DEVICE AND HOLDER ASSEMBLY FOR PLASMA ARC SPRAY GUN**
[54] **DISPOSITIF MODIFIE DE CATHODE ET ENSEMBLE DE SUPPORT POUR PISTOLET DE PULVERISATION A ARC PLASMA**
[72] SOMERVILLE, DAVID A., US
[71] PRAXAIR S. T. TECHNOLOGY, INC., US
[85] 2022-09-02
[86] 2021-03-04 (PCT/US2021/020845)
[87] (WO2021/178648)
[30] US (62/985,983) 2020-03-06

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **ACTIVE IMPLANTABLE STIMULATING DEVICE FOR USE WITH AN MRI-DEVICE**
[54] **DISPOSITIF DE STIMULATION IMPLANTABLE ACTIF DESTINE A ETRE UTILISE AVEC UN DISPOSITIF IRM**
[72] DOGUET, PASCAL, BE
[72] NIEUWENHUYS, AURORE, BE
[72] BOTQUIN, YOHAN, BE
[72] GARNIER, JEROME, BE
[71] SYNERGIA MEDICAL, BE
[85] 2022-09-02
[86] 2020-05-04 (PCT/EP2020/062331)
[87] (WO2021/223839)

[21] **3,170,536**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] GILLIS, ERIC P, US
[72] IWUAGWU, CHRISTIANA, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2022-09-02
[86] 2021-03-03 (PCT/IB2021/051764)
[87] (WO2021/176366)
[30] US (62/985,937) 2020-03-06
[30] US (63/040,051) 2020-06-17

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[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01) C08K 3/013 (2018.01) C08J 3/20 (2006.01) C08L 23/08 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **AUTOMOTIVE MOLDED-IN-COLOR THERMOPLASTIC POLYOLEFIN WITH CLEAR COATING FOR PAINT REPLACEMENT AND HIGH GLOSS APPLICATIONS**
[54] **POLYOLEFINE THERMOPLASTIQUE MOULEE EN COULEUR POUR AUTOMOBILE AVEC REVETEMENT TRANSPARENT POUR DES APPLICATIONS DE REMPLACEMENT DE PEINTURE ET DE BRILLANT ELEVE**
[72] GLENISTER, PETER J., US
[72] BOLL, QUENTIN R., US
[72] BANTA, PERRY J., US
[72] YANG, CHANGLAI, US
[71] LYONDELLBASELL ADVANCED POLYMERS INC., US
[85] 2022-09-02
[86] 2021-03-05 (PCT/US2021/021169)
[87] (WO2021/178862)
[30] US (62/986,450) 2020-03-06

[21] **3,170,542**
[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01)**
[25] EN
[54] **ASSET MANAGEMENT STRATEGY USING DISPLAY OF CONTEXTUAL CUES TO ASSIST IN ZONE DEFINITION**
[54] **STRATEGIE DE GESTION D'ACTIFS UTILISANT L'AFFICHAGE DE REPERES CONTEXTUELS POUR AIDER A LA DEFINITION DE ZONES**
[72] HANAUER, NICHOLAS ADAM, US
[72] NOON, TIMOTHY EDWARD, US
[72] BRICKNER, CHAD TIMOTHY, US
[72] DECLERK, ALLEN J., US
[71] CATERPILLAR INC., US
[85] 2022-09-02
[86] 2021-03-03 (PCT/US2021/020604)
[87] (WO2021/178494)
[30] US (62/986,272) 2020-03-06
[30] US (17/184,176) 2021-02-24

[21] **3,170,544**
[13] A1
[51] **Int.Cl. C09D 129/14 (2006.01) C09D 7/20 (2018.01) C09D 7/80 (2018.01) A61L 2/23 (2006.01)**
[25] EN
[54] **CLEAR COATING ANTIMICROBIAL COMPOSITIONS, METHODS OF PREPARATION, AND USES THEREOF FOR CONFERRING ANTIMICROBIAL ACTIVITY TO A SURFACE**
[54] **COMPOSITIONS ANTIMICROBIENNES DE REVETEMENT TRANSPARENT, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS POUR CONFERER UNE ACTIVITE ANTIMICROBIENNE A UNE SURFACE**
[72] MANI, RAMESH KUMAR, CA
[72] KISHAN GORITYALA, BALA, CA
[71] POLYAMYNA NANOTECH INC., CA
[85] 2022-09-02
[86] 2021-11-29 (PCT/IB2021/061079)
[87] (3170544)
[30] US (63/119,855) 2020-12-01

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[13] A1
[51] **Int.Cl. A61F 2/86 (2013.01) A61F 2/89 (2013.01) A61F 2/06 (2013.01) A61F 2/82 (2013.01) A61F 2/90 (2013.01)**
[25] EN
[54] **CEREBRAL DURAL VENOUS SINUS STENT**
[54] **ENDOPROTHESE VEINEUSE POUR SINUS VEINEUX DURAUX**
[72] AMANS, MATTHEW, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-09-02
[86] 2021-03-02 (PCT/US2021/020458)
[87] (WO2021/178401)
[30] US (62/984,549) 2020-03-03

[21] **3,170,549**
[13] A1
[51] **Int.Cl. B32B 7/023 (2019.01) B32B 27/16 (2006.01)**
[25] EN
[54] **A KIND OF LIGHT-TRANSLUCENT ARTIFICIAL LEATHERETTE AND A PREPARATION METHOD THEREFOR, A KIND OF COMPOSITE LEATHERETTE AND AN AUTOMOTIVE INTERIOR**
[54]
[72] CHENG, HAO, CN
[72] GUO, QIANG, CN
[72] SONG, WEIFENG, CN
[72] LIU, JIANHONG, SG
[71] CANADIAN GENERAL-TOWER (CHANGSHU) CO., LTD., CN
[85] 2022-09-02
[86] 2021-03-23 (PCT/CN2020/082141)
[87] (3170549)

[21] **3,170,551**
[13] A1
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 9/19 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **LIVE-PATHOGEN-MIMETIC NANOPARTICLES BASED ON PATHOGEN CELL WALL SKELETON, AND PRODUCTION METHOD THEREOF**
[54] **NANOPARTICULES MIMETIQUES D'AGENT PATHOGENE VIVANT BASEES SUR UN SQUELETTE DE PAROI CELLULAIRE D'AGENT PATHOGENE, ET LEUR PROCEDE DE PRODUCTION**
[72] LIM, YONG TAIK, KR
[72] LEE, SANG NAM, KR
[71] PROGENEER INC., KR
[85] 2022-09-02
[86] 2021-02-26 (PCT/KR2021/002508)
[87] (WO2021/177679)
[30] KR (10-2020-0025780) 2020-03-02
[30] KR (10-2021-0026013) 2021-02-25

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[13] A1
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 31/635 (2006.01) C08B 37/08 (2006.01) C08L 5/08 (2006.01)**
[25] EN
[54] **USES OF HYALURONAN CONJUGATE**
[54] **UTILISATIONS D'UN CONJUGUE D'HYALURONANE**
[72] LIN, HUA-YANG, TW
[71] AIHOL CORPORATION, US
[85] 2022-09-02
[86] 2021-06-08 (PCT/US2021/036438)
[87] (WO2021/252513)
[30] US (63/036,231) 2020-06-08
[30] US (63/130,442) 2020-12-24

[21] **3,170,554**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **CONTROLLED CONTENT DELIVERY AT A MOBILE STATION IN A BROADBAND COMMUNICATION SYSTEM**
[54] **DISTRIBUTION REGULEE DE CONTENU AU NIVEAU D'UNE STATION MOBILE DANS UN SYSTEME DE COMMUNICATION A LARGE BANDE**
[72] STANWOOD, KENNETH, US
[72] GELL, DAVID, US
[71] SOLANA TECHNOLOGIES INC., US
[85] 2022-09-02
[86] 2021-04-30 (PCT/US2021/030160)
[87] (WO2021/225887)
[30] US (63/021,032) 2020-05-06

[21] **3,170,555**
[13] A1
[51] **Int.Cl. F16F 9/34 (2006.01) F16F 9/512 (2006.01)**
[25] EN
[54] **ADVANCED HYDRAULIC DAMPER SPOOL VALVE**
[54] **DISTRIBUTEUR A TIROIR D'AMORTISSEUR HYDRAULIQUE DE POINTE**
[72] TOMLIN, ANDREW, GB
[71] MULTIMATIC INC., CA
[85] 2022-09-02
[86] 2021-03-03 (PCT/US2021/020646)
[87] (WO2021/178519)
[30] US (62/985,101) 2020-03-04

[21] **3,170,556**
[13] A1
[51] **Int.Cl. D06N 3/06 (2006.01) B32B 7/05 (2019.01)**
[25] EN
[54] **A KIND OF LIGHT-TRANSPARENT ARTIFICIAL LEATHER AND A PREPARATION METHOD THEREFOR, AND AN AUTOMOTIVE INTERIOR**
[54]
[72] GUO, QIANG, CN
[72] SONG, WEIFENG, CN
[72] CHENG, HAO, CN
[72] LIU, JIANHONG, SG
[71] CANADIAN GENERAL-TOWER (CHANGSHU) CO., LTD., CN
[85] 2022-09-02
[86] 2021-03-19 (PCT/CN2020/082144)
[87] (3170556)

[21] **3,170,560**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A23L 33/13 (2016.01) A23L 33/17 (2016.01) A61K 47/68 (2017.01) A61K 31/713 (2006.01) A61K 48/00 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR LOWERING BLOOD CHOLESTEROL, PREVENTING OR TREATING CARDIOVASCULAR DISEASES AND REDUCING INFLAMMATION**
[54] **COMPOSITION PHARMACEUTIQUE POUR ABAISSER LE CHOLESTEROL SANGUIN, PREVENIR OU TRAITER DES MALADIES CARDIOVASCULAIRES ET REDUIRE L'INFLAMMATION**
[72] KIM, HYO-SOO, KR
[72] JANG, HYUN-DUK, KR
[71] SEOUL NATIONAL UNIVERSITY HOSPITAL, KR
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[87] (WO2021/177518)
[30] KR (10-2020-0026073) 2020-03-02

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[51] **Int.Cl. G05D 1/00 (2006.01) G05D 1/02 (2020.01) G07C 5/00 (2006.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE METHODS AND SYSTEMS FOR REMOTE MONITORING AND CONTROL OF AUTONOMOUS VEHICLES**
[54] **PROCEDES ET SYSTEMES D'INTELLIGENCE ARTIFICIELLE POUR LA SURVEILLANCE ET LA COMMANDE A DISTANCE DE VEHICULES AUTONOMES**
[72] GROSS, CLIFFORD, US
[72] BRAUN, HARALD, US
[71] GUIDENT, LTD., US
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[87] (WO2021/177964)

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[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **SALTS AND POLYMORPHIC FORMS OF 6-CHLORO-7-(4-(4-CHLOROBENZYL)PIPERAZIN-1-YL)-2-(1,3-DIMETHYL-1H-PYRAZOL-4-YL)-3H-IMIDAZO[4,5-B]PYRIDINE**
[54] **SELS ET FORMES POLYMORPHES DE 6-CHLORO-7-(4-(4-CHLOROBENZYL)PIPERAZIN-1-YL)-2-(1,3-DIMETHYL-1H-PYRAZOL-4-YL)-3H-IMIDAZO[4,5-B]PYRIDINE**
[72] LOUGHREY, JONATHAN, GB
[72] KELK, NATALIE, GB
[72] KREINER, MICHAELA, GB
[72] HALBERT, GAVIN, GB
[71] ELLIPSES PHARMA LTD, GB
[71] INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL (THE), GB
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[30] GB (2003100.1) 2020-03-04

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[51] **Int.Cl. A61K 39/12 (2006.01) A61M 1/36 (2006.01) A61P 31/14 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF VACCINES COMPRISING INACTIVATED SARS-COV-2 VIRAL PARTICLES**
[54] **PRODUCTION DE VACCINS COMPRENANT DES PARTICULES VIRALES DE SRAS-COV-2 INACTIVEES**
[72] GOODRICH, RAYMOND P., US
[72] BOWEN, RICHARD, US
[71] THE COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2022-09-02
[86] 2021-03-05 (PCT/US2021/021190)
[87] (WO2021/178877)
[30] US (62/986,160) 2020-03-06
[30] US (63/039,786) 2020-06-16
[30] US (63/055,041) 2020-07-22
[30] US (63/079,251) 2020-09-16
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[51] **Int.Cl. E04B 1/00 (2006.01) E04G 21/18 (2006.01)**
[25] EN
[54] **METHOD OF INSTALLING A BALCONY, AND DEVICE FOR THE SAME**
[54] **PROCEDE D'INSTALLATION D'UN BALCON ET DISPOSITIF ASSOCIE**
[72] PARSONS, ANDREW, GB
[72] HILL, TIM, GB
[71] SAPPHIRE BALCONIES LIMITED, GB
[85] 2022-09-02
[86] 2020-03-03 (PCT/EP2020/055584)
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[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING PLANTS IN PLANT GROWING AREAS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE PLANTES DANS DES ZONES DE CULTURE DE PLANTES**
[72] SCHEINER, DAVID, IL
[72] TAL, EILAT, IL
[72] BENRON, HAI, IL
[71] VIEWNETIC LTD., IL
[85] 2022-09-02
[86] 2020-03-11 (PCT/IL2020/050287)
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[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24F 40/57 (2020.01) A61M 11/04 (2006.01) G01K 7/38 (2006.01)**
[25] EN
[54] **APPARATUS FOR AN AEROSOL GENERATING DEVICE**
[54] **APPAREIL POUR DISPOSITIF DE GENERATION D'AEROSOL**
[72] MOLONEY, PATRICK, GB
[72] KORUS, ANTON, GB
[72] HAN YANG CHAN, JUSTIN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-09-02
[86] 2021-03-04 (PCT/GB2021/050542)
[87] (WO2021/176224)
[30] GB (2003131.6) 2020-03-04

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[13] A1
[51] **Int.Cl. B32B 7/023 (2019.01) C09D 7/61 (2018.01) B32B 9/00 (2006.01) B60J 1/00 (2006.01) B60R 13/02 (2006.01) B60R 13/04 (2006.01) C09D 201/00 (2006.01) C09D 201/10 (2006.01) C09J 11/04 (2006.01) C09J 201/00 (2006.01)**
[25] EN
[54] **LAMINATE, HARD-COAT COATING FILM, AND COATING MATERIAL COMPOSITION**
[54] **STRATIFIE, FILM DE REVETEMENT A REVETEMENT DUR ET COMPOSITION DE MATERIAU DE REVETEMENT**
[72] SHIRAISHI, KENTARO, JP
[72] ISEDA, KAZUYA, JP
[72] TAKANOHASHI, HIROAKI, JP
[72] SASAKI, KEIGO, JP
[72] HATTORI, KYOHEI, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP
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[51] **Int.Cl. B01L 3/02 (2006.01) G01N 1/00 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **PIPETTE DEVICE AND ANALYSIS DEVICE**
[54] **DISPOSITIF DE PIPETTE ET DISPOSITIF D'ANALYSE**
[72] TAMAI, HIROFUMI, JP
[72] OKU, HIROSHI, JP
[72] OKABE, YUKI, JP
[71] MUSCLE CORPORATION, JP
[85] 2022-09-02
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[30] JP (2020-079836) 2020-04-28

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[51] **Int.Cl. C07K 16/10 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODIES AGAINST THE HEMAGGLUTININ (HA) AND NEURAMINIDASE (NA) OF INFLUENZA H3N2 VIRUSES**
[54] **ANTICORPS MONOCLONAUX CONTRE L'HEMAGGLUTININE (HA) ET LA NEURAMINIDASE (NA) DES VIRUS DE LA GRIPPE H3N2**
[72] KOBIE, JAMES J., US
[72] MARTINEZ-SOBRIDO, LUIS, US
[72] PIEPENBRINK, MICHAEL, US
[72] NOGALES, AITOR, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2022-09-02
[86] 2021-03-25 (PCT/US2021/024141)
[87] (WO2021/202235)
[30] US (63/003,471) 2020-04-01

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[13] A1
[51] **Int.Cl. G02B 6/12 (2006.01) B82Y 20/00 (2011.01) G02F 1/035 (2006.01)**
[25] EN
[54] **FABRICATION METHOD FOR PHOTONIC DEVICES**
[54] **PROCEDE DE FABRICATION DE DISPOSITIFS PHOTONIQUES**
[72] KUMAR, NIKHIL, US
[71] PSIQUANTUM, CORP., US
[85] 2022-09-02
[86] 2021-03-01 (PCT/US2021/020341)
[87] (WO2021/178332)
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[13] A1
[51] **Int.Cl. G05B 1/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS TRAVEL SYSTEM**
[54] **SYSTEME DE DEPLACEMENT AUTONOME**
[72] KANAI, MASAKI, JP
[72] HAMADA, TOMOYUKI, JP
[72] BANDO, MIKIO, JP
[72] MORIZANE, HIROTO, JP
[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
[85] 2022-09-02
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[13] A1
[51] **Int.Cl. B64F 1/34 (2006.01)**
[25] EN
[54] **SYSTEM FOR GROUND POWER SUPPLY**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE DE PARC**
[72] KLAUENBERG, ARMIN, DE
[71] PILLER GROUP GMBH, DE
[85] 2022-09-02
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[51] **Int.Cl. A61K 39/215 (2006.01)**
[25] EN
[54] **VACCINES AGAINST SARS-COV-2 AND OTHER CORONAVIRUSES**
[54] **VACCINS CONTRE LE SRAS-COV-2 ET D'AUTRES CORONAVIRUS**
[72] JOYCE, MICHAEL GORDON, US
[72] MODJARRAD, KAYVON, US
[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[71] THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE ARMY, US
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[86] 2021-03-08 (PCT/US2021/021405)
[87] (WO2021/178971)
[30] US (62/986,522) 2020-03-06
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[13] A1
[51] **Int.Cl. H01L 21/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DEBONDING TEMPORARILY BONDED WAFERS IN WAFER-LEVEL PACKAGING APPLICATIONS**
[54] **PROCEDE ET APPAREIL DESTINES A DESSOUDER DES PLAQUETTES SOUDEES TEMPORAIREMENT DANS DES APPLICATIONS D'ENCAPSULATION AU NIVEAU DES PLAQUETTES**
[72] ATTAR, VAHID AKHAVAN, US
[72] TURKANI, VIKRAM S., US
[71] NCC NANO, LLC, US
[85] 2022-09-02
[86] 2021-12-10 (PCT/US2021/062883)
[87] (WO2022/132591)
[30] US (17/122,796) 2020-12-15

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[51] **Int.Cl. H01P 1/02 (2006.01) H01P 1/06 (2006.01) H01P 1/10 (2006.01) H01P 1/11 (2006.01) H01P 3/12 (2006.01)**
[25] EN
[54] **WAVEGUIDE SWITCH**
[54] **COMMUTATEUR DE GUIDES D'ONDES**
[72] LAFERGOLA, JOHN, US
[72] JENKINS, PAUL, US
[71] LAFERGOLA, JOHN, US
[71] JENKINS, PAUL, US
[85] 2022-09-02
[86] 2021-05-21 (PCT/US2021/070595)
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[51] **Int.Cl. A61B 17/064 (2006.01) A61B 17/00 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **SOFT SUTURE STAPLE SYSTEM WITH TETHERED ANCHORING MECHANISM**
[54] **SYSTEME D'AGRAFES DE SUTURE SOUPLE AVEC MECANISME D'ANCRAGE ATTACHE**
[72] DOMECUS, BRIAN J., US
[72] BARON, SCOTT J., US
[72] CHUANG, MICHAEL, US
[71] STAPLETECH MEDICAL LLC, US
[85] 2022-09-02
[86] 2021-03-04 (PCT/US2021/020938)
[87] (WO2021/178712)
[30] US (62/985,654) 2020-03-05
[30] US (63/090,085) 2020-10-09
[30] US (63/154,489) 2021-02-26

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[13] A1
[51] **Int.Cl. G08B 13/19 (2006.01)**
[25] EN
[54] **MONITORING HUMAN LOCATION, TRAJECTORY AND BEHAVIOR USING THERMAL DATA**
[54] **SURVEILLANCE DE L'EMPLACEMENT, DE LA TRAJECTOIRE ET DU COMPORTEMENT HUMAINS A L'AIDE DE DONNEES THERMIQUES**
[72] DENG, HONGHAO, US
[72] ZHANG, ZIRAN, US
[72] ZHANG, YAN, US
[72] ZENG, JIANI, US
[71] BUTLR TECHNOLOGIES INC., US
[85] 2022-09-02
[86] 2021-02-19 (PCT/US2021/018661)
[87] (WO2021/178145)
[30] US (62/986,442) 2020-03-06
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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/44 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING SYSTEM**
[54] **SYSTEME DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-02
[86] 2021-05-26 (PCT/IB2021/054586)
[87] (WO2021/240391)
[30] EP (20177090.6) 2020-05-28

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[51] **Int.Cl. A61K 35/16 (2015.01) A61K 39/395 (2006.01) A61L 27/20 (2006.01) A61L 27/50 (2006.01) A61P 31/12 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **VIRAL INFECTIONS-TREATMENT WITH CONVALESCENT PLASMA/SERUM**
[54] **TRAITEMENT D'INFECTIONS VIRALES PAR PLASMA/SERUM CONVALESCENT**
[72] TURZI, ANTOINE, CH
[72] PIGNI, ANDREAS, CH
[72] GOMRI, FARID, CH
[72] TRABELSI, HOSNI, FR
[71] REGEN LAB SA, CH
[85] 2022-09-02
[86] 2021-03-30 (PCT/EP2021/058383)
[87] (WO2021/198312)
[30] GB (2004649.6) 2020-03-30

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[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **A REUSABLE ELECTRONIC CIGARETTE CAPSULE HAVING A CLOSABLE LIQUID OUTLET PORT**
[54] **CAPSULE DE CIGARETTE ELECTRONIQUE REUTILISABLE DOTEE D'UN ORIFICE DE SORTIE DE LIQUIDE POUVANT ETRE FERME**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-02
[86] 2021-05-26 (PCT/IB2021/054598)
[87] (WO2021/240401)
[30] EP (20177263.9) 2020-05-28

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **ELONGATED HEATING ELEMENTS FOR AN AEROSOL GENERATION DEVICE**
[54] **ELEMENTS CHAUFFANTS ALLONGES POUR DISPOSITIF DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-02
[86] 2021-05-26 (PCT/IB2021/054592)
[87] (WO2021/240395)
[30] EP (20177251.4) 2020-05-28

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[13] A1
[51] **Int.Cl. A61M 11/04 (2006.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/44 (2020.01) A24F 40/485 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION DEVICE WITH A VALVE POSITION DETECTOR AND A DRYING CYCLE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UN DETECTEUR DE POSITION DE VALVE ET UN CYCLE DE SECHAGE**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-02
[86] 2021-05-26 (PCT/IB2021/054589)
[87] (WO2021/240394)
[30] EP (20177240.7) 2020-05-28

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **NEW SEX PHEROMONE COMPONENTS FOR THE FALL ARMYWORM, SPODOPTERA FRUGIPERDA**
[54] **NOUVEAUX CONSTITUANTS DE PHEROMONE SEXUELLE DESTINES AU LEGIONNAIRE D'AUTOMNE, SPODOPTERA FRUGIPERDA**
[72] SCHAL, COBY, US
[72] HATANO, EDUARDO, CH
[72] AHMED, MOHAMED SAVEER, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2022-09-02
[86] 2021-03-08 (PCT/US2021/021324)
[87] (WO2021/178948)
[30] US (62/986,419) 2020-03-06

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[13] A1
[51] **Int.Cl. E01F 13/02 (2006.01) E04H 17/18 (2006.01)**
[25] EN
[54] **A HEAVY-DUTY BARRIER**
[54] **BARRIERE A FORTES CHARGES**
[72] VIBERG, OLOV, SE
[71] WORXSAFE AB, SE
[85] 2022-09-02
[86] 2020-03-19 (PCT/EP2020/057668)
[87] (WO2021/185450)

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/44 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**
[72] ZOMINY, CLAUDE, FR
[71] JT INTERNATIONAL SA, CH
[85] 2022-09-02
[86] 2021-05-26 (PCT/IB2021/054597)
[87] (WO2021/240400)
[30] EP (20177267.0) 2020-05-28

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[13] A1
[51] **Int.Cl. H02J 50/10 (2016.01) H02J 50/12 (2016.01) H02J 50/70 (2016.01)**
[25] EN
[54] **WIRELESS POWER TRANSFER TRANSMITTER, SYSTEM AND METHOD OF WIRELESSLY TRANSFERRING POWER**
[54] **EMETTEUR DE TRANSFERT SANS FIL DE PUISSANCE, SYSTEME ET PROCEDE DE TRANSFERT SANS FIL DE PUISSANCE**
[72] COVE, SAMUEL ROBERT, CA
[72] ALDHAHER, SAMER, CA
[72] ALMUDALLAL, AHMAD, CA
[71] SOLACE POWER INC., CA
[85] 2022-09-02
[86] 2021-03-05 (PCT/CA2021/050298)
[87] (WO2021/174367)
[30] US (62/986,000) 2020-03-06
[30] US (63/055,732) 2020-07-23

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[13] A1
[51] **Int.Cl. C02F 11/13 (2019.01)**
[25] EN
[54] **SLUDGE FLUIDIZED BED DRYING MACHINE**
[54] **MACHINE DE SECHAGE DE BOUES A LIT FLUIDISE**
[72] ZHANG, DONGLING, CN
[72] HU, WEIJIE, CN
[72] LU, JUNYING, CN
[72] ZHANG, CHANGCHENG, CN
[71] SHANGHAI MUNICIPAL ENGINEERING DESIGN INSTITUTE (GROUP) CO., LTD., CN
[85] 2022-09-02
[86] 2021-10-28 (PCT/CN2021/127069)
[87] (WO2022/089538)
[30] CN (202011195513.4) 2020-10-30

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[51] **Int.Cl. E04F 13/08 (2006.01) E04F 13/18 (2006.01) E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL AND METHOD FOR PRODUCING A PANEL**
[54] **PANNEAU ET PROCEDE DE FABRICATION D'UN PANNEAU**
[72] BAERT, THOMAS LUC MARTINE, BE
[72] VAN POYER, TOM, CN
[72] BOON, SVEN, CN
[71] CHAMPION LINK INTERNATIONAL CORPORATION, AI
[85] 2022-09-02
[86] 2021-03-11 (PCT/EP2021/056250)
[87] (WO2021/180882)
[30] NL (2025119) 2020-03-13
[30] NL (2026795) 2020-10-30

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[13] A1
[51] **Int.Cl. C01G 43/00 (2006.01) G21C 19/48 (2006.01) G21C 21/00 (2006.01)**
[25] EN
[54] **STOICHIOMETRIC RECOVERY OF UF4 FROM UF6 DISSOLVED IN IONIC LIQUIDS**
[54] **RECUPERATION STOECHIOMETRIQUE D'UF4 A PARTIR D'UF6 DISSOUS DANS DES LIQUIDES IONIQUES**
[72] HATCHETT, DAVID W., US
[72] HIGGINS, CASSARA J., US
[71] THE BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF NEVADA-LAS VEGAS, US
[85] 2022-09-02
[86] 2021-03-05 (PCT/US2021/021015)
[87] (WO2021/178751)
[30] US (62/986,059) 2020-03-06

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[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR PROCESSING DATA HAVING VARIED TEMPORAL CHARACTERISTICS TO GENERATE PREDICTIONS RELATED TO MANAGEMENT ARRANGEMENTS USING RANDOM FOREST CLASSIFIERS**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE DONNEES AYANT DES CARACTERISTIQUES TEMPORELLES VARIEES POUR PRODUIRE DES PREDICTIONS ASSOCIEES A DES AGENCEMENTS DE GESTION EN UTILISANT DES CLASSIFICATEURS PAR FORET ALEATOIR**
[72] LUSE, HAYDEN THOMAS, US
[72] DICIURCIO, DAVID ANDREW, US
[72] JANSEN, RONALD, US
[71] UBS BUSINESS SOLUTIONS AG, CH
[85] 2022-09-02
[86] 2021-03-04 (PCT/IB2021/051787)
[87] (WO2021/176380)
[30] US (16/810,724) 2020-03-05

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[13] A1
[51] **Int.Cl. F03B 7/00 (2006.01) F03B 11/00 (2006.01)**
[25] EN
[54] **INLET FOR A HYDRODYNAMIC SCREW**
[54] **ENTREE POUR UNE VIS HYDRODYNAMIQUE**
[72] FJALLING, ARNE, SE
[71] TRANSMORO AB, SE
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[30] SE (2150015-2) 2021-01-12

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[25] EN
[54] **HIGH TEMPERATURE HYDRIDE MODERATOR ENABLING COMPACT AND HIGHER POWER DENSITY CORES IN NUCLEAR MICRO-REACTORS**
[54] **MODERATEUR D'HYDRURE A HAUTE TEMPERATURE PERMETTANT D'OBTENIR DES COEURS COMPACTS A DENSITE DE PUISSANCE SUPERIEURE DANS DES MICRO-REACTEURS NUCLEAIRES**
[72] DASARI, VENKATESWARA RAO, US
[72] LEVINSKY, ALEX, US
[72] ARAFAT, YASIR, US
[72] VAN WYK, JURIE J., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-09-02
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[87] (WO2021/178182)
[30] US (62/984,591) 2020-03-03

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[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **SET OF SURFACE COVERING PLANKS AND METHOD OF CONNECTING THEREOF**
[54] **ENSEMBLE DE PLANCHES DE REVETEMENT DE SURFACE ET SON PROCEDE DE RACCORDEMENT**
[72] BLADH, JONAS, LU
[71] TARKETT GDL S.A., LU
[85] 2022-09-02
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[87] (WO2021/176078)
[30] LU (LU101663) 2020-03-06

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[51] **Int.Cl. D21H 19/52 (2006.01) B65D 3/06 (2006.01) D21H 19/58 (2006.01) D21H 19/60 (2006.01) D21H 19/82 (2006.01) D21H 19/84 (2006.01)**
[25] EN
[54] **COFFEE STAIN-RESISTANT CELLULOSIC STRUCTURES AND ASSOCIATED CONTAINERS AND METHODS**
[54] **STRUCTURES CELLULOSIQUES RESISTANTES AUX TACHES DE CAFE ET RECIPIENTS ET PROCEDES ASSOCIES**
[72] PANG, JIEBIN, US
[72] PARKER, STEVEN, US
[72] MELTON, NATASHA G., US
[71] WESTROCK MWV, LLC, US
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[25] EN
[54] **TREATMENT OF INFLAMMATORY DISEASES WITH PEPTIDES AND PHARMACEUTICAL COMPOSITIONS**
[54] **TRAITEMENT DE MALADIES INFLAMMATOIRES AVEC DES PEPTIDES ET COMPOSITIONS PHARMACEUTIQUES**
[72] YU, WONSANG, KR
[72] PARK, LARRY CHONG, KR
[71] YUYU PHARMA, INC., KR
[85] 2022-09-02
[86] 2021-03-05 (PCT/IB2021/000423)
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[54] **SYSTEMS AND METHODS FOR ORIENTING PACKAGES**
[54] **SYSTEMES ET PROCEDES D'ORIENTATION D'EMBALLAGES**
[72] PARROT, ERIC L., FR
[71] CIPO, CA
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2022-09-02
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[54] **HYPERSPECTRAL IMAGING SYSTEM FOR GEOLOGICAL SAMPLE ANALYSIS**
[54] **SYSTEME D'IMAGERIE HYPERSPECTRALE POUR L'ANALYSE DE CAROTTE GEOLOGIQUE**
[72] SANDEN, GRANT I., CA
[72] SEGAL, YANNAI Z.R., CA
[71] ENERSOFT INC., CA
[85] 2022-09-02
[86] 2021-03-05 (PCT/IB2021/051873)
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[30] US (62/986,278) 2020-03-06

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[51] **Int.Cl. E01F 13/02 (2006.01) E04H 17/18 (2006.01)**
[25] EN
[54] **A HEAVY-DUTY BARRIER**
[54] **BARRIERE A FORTES CHARGES**
[72] VIBERG, OLOV, SE
[71] WORXSAFE AB, SE
[85] 2022-09-02
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[25] EN
[54] **ANTI-CORONAVIRUS EFFECT AND APPLICATION OF PI4K INHIBITOR**
[54] **EFFET ANTI-CORONAVIRUS ET APPLICATION D'INHIBITEUR DE PI4K**
[72] YAO, HANGPING, CN
[72] HUANG, FUDE, CN
[72] LI, LANJUAN, CN
[72] WANG, WENAN, CN
[72] CAO, LUXIANG, CN
[72] JIAO, CHANGPING, CN
[72] WU, NANPING, CN
[72] LU, XIANGYUN, CN
[71] NUO-BETA PHARMACEUTICAL TECHNOLOGY (SHANGHAI) CO. LTD, CN
[71] THE FIRST AFFILIATED HOSPITAL, ZHEJIANG UNIVERSITY SCHOOL OF MEDICINE, CN
[85] 2022-09-02
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[30] CN (202010177429.3) 2020-03-13

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[51] **Int.Cl. E21B 10/43 (2006.01) G06N 20/00 (2019.01) E21B 7/06 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO GENERATE WELLBORE LAYOUTS**
[54] **SYSTEME ET PROCEDE DE GENERATION DE DISPOSITIONS DE TROU DE FORAGE**
[72] LANGENBORG, ERIK, US
[72] ALONSO, LIVAN B., US
[72] NIKHANJ, MANUJ, CA
[72] HOWARD, DAVID, CA
[72] PARIS, ALEXANDRE, US
[72] ROLF VON DEN BAUMEN, ABBIE, CA
[71] RS ENERGY GROUP TOPCO, INC., CA
[85] 2022-09-02
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[51] **Int.Cl. A61K 38/28 (2006.01) A61P 3/10 (2006.01) C07K 14/62 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING RAPID-ACTING INSULIN ANALOGUES**
[54] **COMPOSITIONS CONTENANT DES ANALOGUES D'INSULINE A ACTION RAPIDE**
[72] WEISS, MICHAEL A., US
[72] MULAJ, MENTOR, US
[72] BROADWATER, LAURIE A., US
[72] HATTIER, THOMAS, US
[72] BERENSON, RICHARD, US
[71] THERMALIN INC., US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2022-09-02
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[87] (WO2021/178417)
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[51] **Int.Cl. A01N 25/02 (2006.01) A01N 31/02 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND SYSTEMS FOR DISINFECTION**
[54] **COMPOSITIONS ET SYSTEMES DE DESINFECTION**
[72] PANCHERI, EUGENE J., US
[72] MARKESBERY, W. RUSSELL, US
[72] LAJINESS, DANIEL H., US
[71] MARKESBERY BLUE PEARL LLC, US
[85] 2022-09-02
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[51] **Int.Cl. C07D 413/14 (2006.01)**
[25] EN
[54] **CRYSTAL OF TRICYCLIC COMPOUND ACTING ON CRBN PROTEIN AND PREPARATION METHOD THEREFOR**
[54] **CRISTAL DE COMPOSE TRICYCLIQUE AGISSANT SUR LA PROTEINE CRBN ET SON PROCEDE DE PREPARATION**
[72] LEI, MAOYI, CN
[72] XU, YU, CN
[72] LUO, YUNFU, CN
[72] SHAN, ZHENLIANG, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2022-09-02
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[30] CN (202010153435.5) 2020-03-06

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[51] **Int.Cl. A61K 31/554 (2006.01) A61K 31/706 (2006.01) A61K 45/06 (2006.01) A61P 31/14 (2006.01)**
[25] FR
[54] **COMPOSITION COMPRISING DILTIAZEM FOR TREATING A VIRAL INFECTION CAUSED BY SARS-COV-2 VIRUSES**
[54] **COMPOSITION COMPRENANT DU DILTIAZEM POUR TRAITER L'INFECTION VIRALE PAR LES VIRUS SARS-COV-2**
[72] ROSA-CALATRAVA, MANUEL, FR
[72] TERRIER, OLIVIER, FR
[72] PIZZORNO, MARIO ANDRES, FR
[72] TRAVERSIER, AURELIEN, FR
[72] PADEY, BLANDINE, FR
[72] JULIEN, THOMAS, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ECOLE NORMALE SUPERIEURE DE LYON, FR
[71] SIGNIA THERAPEUTICS, FR
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[51] **Int.Cl. G06F 16/17 (2019.01)**
[25] EN
[54] **IMPROVED LOCALIZATION PROCEDURES AND PRIORITIZATION FOR APPLICATIONS**
[54] **PROCEDURES DE LOCALISATION ET HIERARCHISATION PAR PRIORITE AMELIOREES POUR DES APPLICATIONS**
[72] SWVIGARADOSS, JEBAKUMAR MATHURAM SANTHOSM, IN
[72] GOEL, ANKIT, IN
[72] BAKKA, SRIKAR, IN
[72] CHAUHAN, ANKIT, IN
[71] SERVICENOW, INC., US
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[86] 2021-03-04 (PCT/US2021/020905)
[87] (WO2021/178688)
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[51] **Int.Cl. A23L 33/10 (2016.01)**
[25] EN
[54] **COMPOSITION OF (D)-.BETA.-HYDROXYBUTYRIC ACID, (D)-.BETA.-HYDROXYVALERICACID, AND (D)-1,3 BUTANEDIOL AS A NUTRITIONAL SUPPLEMENT AND THERAPEUTICAGENT**
[54] **COMPOSITION D'ACIDE (D)-?-HYDROXYBUTYRIQUE, D'ACIDE (D)-?-HYDROXYVALERIQUE ET DE (D)-1,3 BUTANEDIOL EN TANT QUE SUPPLEMENT NUTRITIONNEL ET AGENT THERAPEUTIQUE**
[72] PRICE, DEVON, US
[72] BAYNE, PETER, US
[71] VITANAV, INC., US
[71] PRICE, DEVON, US
[71] BAYNE, PETER, US
[85] 2022-09-02
[86] 2021-03-03 (PCT/US2021/020681)
[87] (WO2021/178547)
[30] US (62/985,388) 2020-03-05
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[13] A1
[51] **Int.Cl. H02G 7/05 (2006.01) H02G 7/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LIFTING A BUNDLE OF SUB-CONDUCTORS**
[54] **PROCEDE ET APPAREIL DE LEVAGE D'UN FAISCEAU DE SOUS-CONDUCTEURS**
[72] O'CONNELL, DANIEL NEIL, CA
[72] JODOIN, RAYMOND HENRY, CA
[72] HARVEY, BENJAMIN JAMES, CA
[72] GREEN, JOHN CHRISTOPHER, CA
[72] GIANG, STANLEY, CA
[71] QUANTA ASSOCIATES, L.P., US
[85] 2022-09-02
[86] 2021-03-12 (PCT/US2021/022141)
[87] (WO2021/183906)
[30] CA (3093662) 2020-03-12
[30] CA (3093146) 2020-09-15
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[51] **Int.Cl. A61H 39/04 (2006.01)**
[25] EN
[54] **HEALTH CARE DEVICE, HEALTH CARE BODY, HEALTH CARE METHOD AND HEALTH CARE SYSTEM**
[54] **DISPOSITIF DE SOINS DE SANTE, CORPS DE SOINS DE SANTE, METHODE DE SOINS DE SANTE ET SYSTEME DE SOINS DE SANTE**
[72] TSAI, CHING-FU, CN
[71] TAO MINING CO., LTD., TW
[85] 2022-09-02
[86] 2020-04-30 (PCT/CN2020/088533)
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[25] EN
[54] **AUDIO-BASED SECURITY FOR AUTOMATED TELLER MACHINES**
[54] **SECURITE SUR BASE AUDIO POUR GUICHETS AUTOMATIQUES DE BANQUE**
[72] SIMPSON, DANIELLE, US
[72] SANGI, SALEEM AHMED, US
[72] KONOPA, MATTHEW B., US
[72] OH, BRIAN J., US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-09-02
[86] 2021-02-24 (PCT/US2021/019384)
[87] (WO2021/178174)
[30] US (16/810,612) 2020-03-05

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[51] **Int.Cl. F24T 10/20 (2018.01)**
[25] EN
[54] **FLOW CONTROL IN GEOTHERMAL WELLS**
[54] **COMMANDE D'ECOULEMENT DANS DES PUITS GEOTHERMIQUES**
[72] O'MALLEY, EDWARD, US
[72] STOLBOUSHKIN, EUGENE, US
[72] KENDALL, ALEXANDER, US
[71] BAKER HUGHES OILFIELD OPERATIONS, LLC, US
[85] 2022-09-02
[86] 2021-03-03 (PCT/US2021/020655)
[87] (WO2021/178526)
[30] US (16/808,762) 2020-03-04

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[51] **Int.Cl. A61K 38/21 (2006.01) A61P 31/14 (2006.01) C07K 14/44 (2006.01) C07K 14/56 (2006.01)**
[25] EN
[54] **HYBRID INTERFERONS FOR TREATING VIRAL INFECTIONS**
[54] **INTERFERONS HYBRIDES POUR LE TRAITEMENT D'INFECTIONS VIRALES**
[72] STIMSON, WILLIAM, GB
[71] ILC THERAPEUTICS LIMITED, GB
[85] 2022-09-02
[86] 2021-03-16 (PCT/GB2021/050649)
[87] (WO2021/186162)
[30] GB (2003812.1) 2020-03-16
[30] US (63/030,074) 2020-05-26
[30] GB (2012967.2) 2020-08-19
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[30] GB (2102261.1) 2021-02-17

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[51] **Int.Cl. A61K 38/17 (2006.01) C07K 14/705 (2006.01) C07K 16/10 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ON DEMAND EXPRESSION OF EXOGENOUS FACTORS IN LYMPHOCYTES TO TREAT HIV**
[54] **EXPRESSION A LA DEMANDE DE FACTEURS EXOGENES DANS DES LYMPHOCYTES POUR TRAITER LE VIH**
[72] LI, HAISHAN, US
[72] LAHUSEN, TYLER, US
[72] PAUZA, C. DAVID, US
[71] AMERICAN GENE TECHNOLOGIES INTERNATIONAL INC., US
[85] 2022-09-02
[86] 2021-03-03 (PCT/US2021/020721)
[87] (WO2021/178571)
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[13] A1
[51] **Int.Cl. H02G 1/02 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR LIFTING AND MANIPULATING CONDUCTORS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE LEVAGE ET DE MANIPULATION DE CONDUCTEURS**
[72] O'CONNELL, DANIEL NEIL, CA
[72] JODOIN, RAYMOND HENRY, CA
[72] HARVEY, BENJAMIN JAMES, CA
[72] GREEN, JOHN CHRISTOPHER, CA
[72] GIANG, STANLEY, CA
[71] QUANTA ASSOCIATES, L.P., US
[85] 2022-09-02
[86] 2021-03-12 (PCT/US2021/022203)
[87] (WO2021/183948)
[30] CA (3,093,662) 2020-03-12
[30] CA (3,093,146) 2020-09-15
[30] US (62/989,190) 2020-03-13

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[13] A1
[51] **Int.Cl. H04L 45/00 (2022.01) H04W 40/02 (2009.01) H04W 80/06 (2009.01) H04L 45/48 (2022.01) H04L 45/50 (2022.01) H04L 45/76 (2022.01) H04L 47/2425 (2022.01)**
[25] EN
[54] **HIGH-RESOLUTION CONTRACT-BASED WIRELESS NETWORK VIRTUALIZATION**
[54] **VIRTUALISATION DE RESEAU SANS FIL BASEE SUR UN CONTRAT A HAUTE RESOLUTION**
[72] BROWN, JR. ALLEN L., US
[72] SANTOS, PATRICK J.D., US
[71] DEIXIS, PBC, US
[85] 2022-09-02
[86] 2021-03-05 (PCT/US2021/021236)
[87] (3170632)

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[13] A1
[51] **Int.Cl. C07K 5/02 (2006.01) C07C 211/35 (2006.01) C07C 211/63 (2006.01) C07C 271/22 (2006.01) C07D 207/08 (2006.01) C07K 5/062 (2006.01)**
[25] EN
[54] **EFFICIENT PREPARATION OF DOLASTATIN AND AURISTATIN ANALOGS THROUGH A COMMON INTERMEDIATE**
[54] **PREPARATION EFFICACE D'ANALOGUES DE DOLASTATINES ET D'AURISTATINES PAR LE BIAIS D'UN INTERMEDIAIRE COMMUN**
[72] GOEDDEL, DAVID, US
[72] WALKER, JAMES, US
[72] GROSO, EMILIA, US
[72] BEMOWSKI, ROSS, US
[72] BERG, LOGAN, US
[71] SIGMA-ALDRICH CO., LLC, US
[85] 2022-09-02
[86] 2021-03-09 (PCT/US2021/021547)
[87] (WO2021/183542)
[30] US (62/987,150) 2020-03-09

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[13] A1
[51] **Int.Cl. B60C 25/05 (2006.01)**
[25] EN
[54] **FORCE FEEDBACK SYSTEM FOR A BEAD FITTING DEVICE**
[54] **SYSTEME DE RETROACTION DE FORCE POUR UN DISPOSITIF D'AJUSTEMENT DE TALON**
[72] SMILEY, KEITH MARTIN, US
[72] CAMPBELL, TODD ALLEN, US
[72] EHLKE, DANIEL JONATHAN, US
[72] SHAH, HARSH SURESH, US
[71] INTERNATIONAL WHEEL & TIRE COMPANY, US
[85] 2022-09-02
[86] 2021-02-23 (PCT/US2021/019247)
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[30] US (16/808,016) 2020-03-03

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[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01) A61K 31/197 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANNABIS USE DISORDER AND MITIGATING CANNABINOID WITHDRAWAL**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UN TROUBLE DE L'USAGE DU CANNABIS ET ATTENUER LES SYMPTOMES DU SEVRAGE DES CANNABINOIDES**
[72] CONSTANTINE, GINGER D., US
[71] PLEOPHARMA, L.L.C., US
[85] 2022-09-02
[86] 2021-03-04 (PCT/US2021/020921)
[87] (WO2021/178700)
[30] US (62/985,097) 2020-03-04

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[13] A1
[51] **Int.Cl. B60W 30/095 (2012.01) B60W 40/04 (2006.01) G05D 1/00 (2006.01) G05D 1/02 (2020.01) G06F 11/07 (2006.01) G06F 11/30 (2006.01) G06F 11/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTONOMOUS VEHICLE SYSTEMS SIMULATION**
[54] **SYSTEME ET PROCEDE DE SIMULATION DE SYSTEMES DE VEHICULE AUTONOME**
[72] URTASUN, RAQUEL, US
[72] WONG, KELVIN KA WING, US
[72] ZHANG, QIANG, US
[72] YANG, BIN, US
[72] LIANG, MING, US
[72] LIAO, RENJIE, US
[71] UATC, LLC, US
[85] 2022-09-02
[86] 2021-02-26 (PCT/US2021/019849)
[87] (WO2021/178234)
[30] US (62/985,844) 2020-03-05
[30] US (63/111,913) 2020-11-10
[30] US (17/150,982) 2021-01-15

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[13] A1
[51] **Int.Cl. B65D 25/52 (2006.01) B65D 41/16 (2006.01)**
[25] EN
[54] **DISPENSER FOR FRANGIBLE FOOD PRODUCT**
[54] **DISTRIBUTEUR POUR PRODUIT ALIMENTAIRE FRIABLE**
[72] CENTNER, SEBASTIEN, CA
[72] WOODSIDE, TERRY, CA
[71] HERVE EDIBLES LIMITED, CA
[85] 2022-09-02
[86] 2021-03-03 (PCT/CA2021/050279)
[87] (WO2021/174359)
[30] US (62/986,166) 2020-03-06

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[13] A1
[51] **Int.Cl. C08J 5/04 (2006.01) C08L 23/06 (2006.01) H02G 7/05 (2006.01) H04B 1/03 (2006.01) H04B 1/08 (2006.01) H04B 1/38 (2015.01)**
[25] EN
[54] **COMPOSITE MATERIAL STRAND MOUNTS AND ASSEMBLIES**
[54] **SUPPORTS ET ENSEMBLES DE BRINS EN MATERIAU COMPOSITE**
[72] SEVERIN, MATTHEW, US
[72] CAMPBELL, ROBERT, US
[72] HEATH, DALE, US
[72] CROSS, BRIAN, US
[72] ADAMS, JACOB (DECEASED), US
[71] COMMSCOPE TECHNOLOGIES LLC, US
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[87] (WO2021/183417)
[30] US (62/989,192) 2020-03-13

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[51] **Int.Cl. A61K 31/426 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**
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[54] **METHODS OF SLOWING BRAIN VOLUME LOSS**
[54] **PROCEDES DE RALENTISSEMENT DE LA PERTE DE VOLUME CEREBRAL**
[72] BURCKLEN, MICHEL, CH
[72] HENNESSY, BRIAN, CH
[72] KRACKER, HILKE, CH
[72] LINSCHEID, PHILIPPE, CH
[72] SIDORENKO, TATIANA, CH
[71] ACTELION PHARMACEUTICALS LTD, CH
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[86] 2021-03-05 (PCT/EP2021/055622)
[87] (WO2021/176070)
[30] US (62/986171) 2020-03-06

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 40/194 (2020.01)**
[25] EN
[54] **RULE-BASED SYSTEMS AND METHODS FOR CUSTOMIZING COMPLEX BUSINESS SOLUTIONS**
[54] **SYSTEMES ET PROCEDES A BASE DE REGLES POUR PERSONNALISER DES SOLUTIONS COMMERCIALES COMPLEXES**
[72] MCSTRAVICK, STEVE, CA
[72] RIVERO, EDUARDO, CA
[72] ANISENIA, ANDREI, CA
[72] DEJENE, FEKADEAB, CA
[72] RACHNIOWSKI, ZBIGNIEW PAUL, CA
[71] KINAXIS INC., CA
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[86] 2022-01-06 (PCT/CA2021/051725)
[87] (3170691)
[30] US (63/121,368) 2020-12-04
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[51] **Int.Cl. C05C 3/00 (2006.01) C05F 11/02 (2006.01)**
[25] EN
[54] **ORGANIC WATER-SOLUBLE FERTILISER WITH HUMIC PROPERTIES**
[54] **ENGRAIS HYDROSOLUBLE ORGANIQUE A CARACTERE DE SUBSTANCE HUMIQUE**
[72] NINNEMANN, HORST, DE
[71] NOVIHUM TECHNOLOGIES GMBH, DE
[85] 2022-09-06
[86] 2021-03-09 (PCT/EP2021/055866)
[87] (WO2021/180688)
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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/00 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS IMPROVING POXVIRUS STABILITY**
[54] **COMPOSITIONS AMELIORANT LA STABILITE DU POXVIRUS**
[72] KJAER, KATRINE, DK
[72] KALLA, MARKUS, DE
[71] BAVARIAN NORCIG A/S, DK
[85] 2022-09-06
[86] 2021-03-12 (PCT/EP2021/056370)
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[30] EP (20162856.7) 2020-03-12

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[13] A1
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[25] EN
[54] **FLUID PULSE GENERATION IN SUBTERRANEAN WELLS**
[54] **PRODUCTION D'IMPULSIONS DE FLUIDE DANS DES PUITS SOUTERRAINS**
[72] SCHULTZ, ROGER L., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2022-09-06
[86] 2021-03-29 (PCT/US2021/024736)
[87] (WO2021/202426)
[30] US (63/001,601) 2020-03-30

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[51] **Int.Cl. G06F 21/00 (2013.01) H04L 12/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURING CLOUD BASED SERVICES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE SECURISER DES SERVICES EN NUAGE**
[72] BROWN, NEIL, AU
[72] JEFFERSON, VERNON, AU
[71] KIVERA CORPORATION, CA
[85] 2022-09-06
[86] 2021-03-03 (PCT/CA2021/050277)
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[25] EN
[54] **HEPATIC STEM-LIKE CELLS FOR THE TREATMENT AND/OR THE PREVENTION OF FULMINANT LIVER DISORDERS**
[54] **CELLULES DE TYPE SOUCHE HEPATIQUE POUR LE TRAITEMENT ET/OU LA PREVENTION DE TROUBLES HEPATIQUES FULMINANTS**
[72] NGUYEN, TUAN HUY, FR
[72] FOURRIER, ANGELIQUE, FR
[72] RISPAL, RAPHAEL, FR
[72] DELBOS, FREDERIC, FR
[71] GOLIVER THERAPEUTICS, FR
[71] NANTES UNIVERSITE, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2022-09-06
[86] 2021-03-15 (PCT/EP2021/056574)
[87] (WO2021/180984)
[30] EP (20305267.5) 2020-03-13

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[51] **Int.Cl. A61M 60/157 (2021.01) A61M 60/161 (2021.01) A61M 60/174 (2021.01)**
[25] EN
[54] **BLOOD PRESSURE REGULATION SYSTEM FOR THE TREATMENT OF NEUROLOGIC INJURIES**
[54] **SYSTEME DE REGULATION DE LA PRESSION ARTERIELLE POUR LE TRAITEMENT DE LESIONS NEUROLOGIQUES**
[72] JOHNSON, MICHAEL AUSTIN, US
[72] DE HAVENON, ADAM, US
[72] HOAREAU, GUILLAUME, US
[72] NEFF, LUCAS, US
[72] WILLIAMS, TIMOTHY, US
[72] MCWADE, MELANIE, US
[72] POISNER, DAVID, US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[71] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
[71] CERTUS CRITICAL CARE, INC., US
[85] 2022-09-06
[86] 2021-03-06 (PCT/US2021/021264)
[87] (WO2021/178937)
[30] US (62/986,161) 2020-03-06
[30] US (17/194,053) 2021-03-05

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[51] **Int.Cl. G06Q 50/28 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INTELLIGENT LOAD OPTIMIZATION FOR VEHICLES**
[54] **PROCEDE ET SYSTEME D'OPTIMISATION DE CHARGE INTELLIGENTE POUR VEHICULES**
[72] TADEU DE PAULA, JAIME, US
[72] FRAGOSO E SILVA FERRO, NICHOLAS, US
[71] BRASKEM S.A., BR
[85] 2022-09-06
[86] 2021-03-06 (PCT/BR2021/050097)
[87] (WO2021/174328)
[30] US (62/986,318) 2020-03-06

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[13] A1
[51] **Int.Cl. A61K 31/445 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FABRY DISEASE IN PATIENTS HAVING A MUTATION IN THE GLA GENE**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE FABRY CHEZ LES PATIENTS PORTEURS D'UNE MUTATION DU GENE GLA**
[72] BENJAMIN, ELFRIDA, US
[72] WU, XIAOYANG, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/020984)
[87] (WO2021/178737)
[30] US (62/986,297) 2020-03-06

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[13] A1
[51] **Int.Cl. H01R 13/658 (2011.01) B32B 7/025 (2019.01)**
[25] EN
[54] **SHIELDING MATERIAL FOR ELECTROMAGNETIC PULSE PROTECTION**
[54] **MATERIAU DE BLINDAGE POUR PROTECTION CONTRE LES IMPULSIONS ELECTROMAGNETIQUES**
[72] SADLER, LAWRENCE R, US
[71] SADLER, LAWRENCE R, US
[85] 2022-09-06
[86] 2021-03-04 (PCT/US2021/020957)
[87] (WO2021/178726)
[30] US (62/985,138) 2020-03-04

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[13] A1
[51] **Int.Cl. B65D 71/00 (2006.01) B65D 71/46 (2006.01)**
[25] EN
[54] **ARTICLE CARRIER, BLANK AND METHOD OF CONSTRUCTION**
[54] **SUPPORT D'ARTICLE, EBAUCHE ET PROCEDE DE CONSTRUCTION**
[72] BALL, NATHANIEL B., US
[72] CHESNET, LAUREN N., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021099)
[87] (WO2021/178806)
[30] US (62/986,163) 2020-03-06

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[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **HYBRID HUMAN-COMPUTER LEARNING SYSTEM**
[54] **SYSTEME D'APPRENTISSAGE HYBRIDE HOMME-MACHINE**
[72] GARDNER, RICHARD, US
[71] ANTHROP LLC, US
[85] 2022-09-06
[86] 2021-03-08 (PCT/US2021/021389)
[87] (WO2021/178967)
[30] US (62/986,525) 2020-03-06
[30] US (16/836,749) 2020-03-31

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[51] **Int.Cl. H04W 24/04 (2009.01)**
[25] EN
[54] **DATA PACKET TRANSMISSION METHOD AND APPARATUS, COMMUNICATION NODE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE PAQUET DE DONNEES, N?UD DE COMMUNICATION ET SUPPORT DE STOCKAGE**
[72] WANG, LIPING, CN
[72] HUANG, YING, CN
[71] ZTE CORPORATION, CN
[85] 2022-09-06
[86] 2020-11-09 (PCT/CN2020/127506)
[87] (WO2021/179649)
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[51] **Int.Cl. C07K 16/30 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **ANTI-TN-MUC1 CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ANTI-TN-MUC1**
[72] BHINDER, TEJINDER, GB
[72] CHRIST, NICOLE, GB
[72] LEWIS, ALAN, GB
[72] LEKOMTSEV, SERGEY, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY LIMITED, GB
[85] 2022-09-06
[86] 2021-03-24 (PCT/IB2021/052447)
[87] (WO2021/191819)
[30] GB (2004371.7) 2020-03-26

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[25] EN
[54] **A MODULAR UNMANNED AERIAL VEHICLE SYSTEM FOR ADAPTABLE PARCEL DELIVERY**
[54] **SYSTEME DE VEHICULE AERIEN SANS PILOTE MODULAIRE POUR LA LIVRAISON ADAPTABLE DE COLIS**
[72] GIL, JULIO, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2022-09-06
[86] 2021-03-31 (PCT/US2021/025180)
[87] (WO2021/202739)
[30] US (63/004,283) 2020-04-02
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[51] **Int.Cl. A61B 50/30 (2016.01) A61F 2/00 (2006.01) A61L 29/04 (2006.01) A61M 25/00 (2006.01) B65B 5/04 (2006.01)**
[25] EN
[54] **PACKAGING FOR HYDRATED ARTICLES AND RELATED METHODS**
[54] **EMBALLAGE D'ARTICLES HYDRATES ET PROCEDES CORRESPONDANTS**
[72] DOHERTY, MARK THOMAS, US
[72] DONAHUE, DANIEL T., US
[72] HANLEY, BRIAN M., US
[72] MANNARINO, MATTHEW M., US
[72] MCGRATH, MICHAEL J., US
[71] ACCESS VASCULAR, INC., US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021064)
[87] (WO2021/178785)
[30] US (62/986,571) 2020-03-06

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING LUNG CANCER BY ADMINISTERING A PD-1 INHIBITOR**
[54] **METHODES DE TRAITEMENT DU CANCER DU POUMON PAR ADMINISTRATION D'UN INHIBITEUR DE PD-1**
[72] RIETSCHEL, PETRA, US
[72] LOWY, ISRAEL, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-09-06
[86] 2022-02-22 (PCT/US2022/017247)
[87] (WO2022/182632)
[30] US (63/152,608) 2021-02-23
[30] US (63/182,454) 2021-04-30
[30] US (63/238,309) 2021-08-30
[30] US (63/276,006) 2021-11-05
[30] US (63/174,480) 2021-04-13

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[51] **Int.Cl. E01C 11/22 (2006.01)**
[25] EN
[54] **PAVING DEVICE**
[54] **DISPOSITIF DE PAVAGE**
[72] SENT, EDUARD CHRISTIAAN, AU
[71] HYDROFORCE WORLDWIDE PTY LTD, AU
[85] 2022-09-06
[86] 2020-06-23 (PCT/AU2020/000055)
[87] (WO2021/174283)
[30] AU (2020900693) 2020-03-06

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[51] **Int.Cl. F16L 21/00 (2006.01) F16L 21/08 (2006.01) F16L 55/00 (2006.01) G01B 7/04 (2006.01) G01B 7/16 (2006.01) G01L 9/10 (2006.01)**
[25] EN
[54] **INSTALLATION APPARATUS FOR PIPE FITTINGS AND METHOD OF VERIFYING PROPER INSTALLATION**
[54] **APPAREIL D'INSTALLATION DE RACCORDS DE TUYAU ET PROCEDE DE VERIFICATION D'INSTALLATION CORRECTE**
[72] SINDELAR, MARK JOHN, US
[72] LENNON, WILLIAM H., US
[71] LENLOK HOLDINGS, LLC, US
[85] 2022-09-06
[86] 2021-04-02 (PCT/US2021/025555)
[87] (WO2021/202983)
[30] US (63/004,576) 2020-04-03

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[51] **Int.Cl. H01Q 1/22 (2006.01) H01Q 7/00 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **VARIABLE-Q ANTENNA COIL CIRCUIT FOR RFID APPLICATIONS**
[54] **CIRCUIT DE BOBINE D'ANTENNE A FACTEUR DE QUALITE VARIABLE POUR APPLICATIONS RFID**
[72] LU, GUI-YANG, US
[72] TROESCH, PETER, US
[71] AVID IDENTIFICATION SYSTEMS, INC., US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021129)
[87] (WO2021/178827)
[30] US (16/811,374) 2020-03-06
[30] US (17/073,005) 2020-10-16

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[51] **Int.Cl. B62D 5/00 (2006.01) B63H 21/21 (2006.01) B63H 25/02 (2006.01)**
[25] EN
[54] **ENHANCED STEERING CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE DIRECTION AMELIORE**
[72] GAGNE, FRANCIS, CA
[72] BEDARD, SIMON, CA
[71] KA GROUP AG, CH
[85] 2022-09-06
[86] 2020-03-09 (PCT/IB2020/052037)
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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/00 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **NUCLEIC ACID BASED COMBINATION VACCINES**
[54] **VACCINS COMBINES A BASE D'ACIDE NUCLEIQUE**
[72] OOSTVOGELS, CORNELIA, DE
[72] PETSCH, BENJAMIN, DE
[72] RAUCH, SUSANNE, DE
[72] SCHWENDT, KIM ELLEN, DE
[71] CUREVAC AG, DE
[85] 2022-09-06
[86] 2021-05-27 (PCT/EP2021/064216)
[87] (WO2021/239880)
[30] EP (PCT/EP2020/065094) 2020-05-29
[30] EP (PCT/EP2021/052458) 2021-02-03

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **NUCLEIC ACID ENCODED ANTIBODY MIXTURES**
[54] **MELANGES D'ANTICORPS CODES PAR DES ACIDES NUCLEIQUES**
[72] BAUMHOF, PATRICK, DE
[72] GROSSE, HANS WOLFGANG, DE
[71] CUREVAC AG, DE
[85] 2022-09-06
[86] 2021-07-30 (PCT/EP2021/071479)
[87] (WO2022/023559)
[30] EP (PCT/EP2020/071678) 2020-07-31

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61P 5/16 (2006.01) A61P 25/30 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **ANATABINE POWDER COMPOSITIONS**
[54] **COMPOSITIONS DE POUDRE D'ANATABINE**
[72] SPADARO, FABIANA, CH
[72] ZUBER, GERARD, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-09-06
[86] 2021-05-28 (PCT/IB2021/054692)
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[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **MULTIVALENT NUCLEIC ACID BASED CORONAVIRUS VACCINES**
[54] **VACCINS CONTRE LE CORONAVIRUS A BASE D'ACIDES NUCLEIQUES MULTIVALENTS**
[72] RAUCH, SUSANNE, DE
[72] ROTH, NICOLE, DE
[72] PETSCH, BENJAMIN, DE
[72] GROSSE, WOLFGANG, DE
[71] CUREVAC AG, DE
[85] 2022-09-06
[86] 2021-08-30 (PCT/EP2021/073885)
[87] (WO2022/043551)
[30] EP (PCT/EP2020/074251) 2020-08-31
[30] EP (PCT/EP2020/000145) 2020-08-31
[30] EP (PCT/EP2021/052555) 2021-02-03

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[51] **Int.Cl. B26D 1/06 (2006.01) B26D 5/14 (2006.01) B26D 5/22 (2006.01) B26F 1/22 (2006.01) B29D 29/06 (2006.01)**
[25] EN
[54] **CUTTING APPARATUS AND METHOD FOR CUTTING BELTS**
[54] **OUTIL DE COUPE ET PROCEDE DE COUPE DE COURROIES**
[72] VAN'T SCHIP, JOANNES STEFANUS, US
[71] FLEXIBLE STEEL LACING COMPANY, US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021076)
[87] (WO2021/178794)
[30] US (62/986,565) 2020-03-06

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[51] **Int.Cl. C12P 19/34 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **METHOD OF REDUCING THE IMMUNOSTIMULATORY PROPERTIES OF IN VITRO TRANSCRIBED RNA**
[54] **PROCEDE DE REDUCTION DES PROPRIETES IMMUNOSTIMULATRICES D'ARN TRANSCRIT IN VITRO**
[72] THRAN, MORITZ, DE
[72] THESS, ANDREAS, DE
[72] EBER, FABIAN, DE
[72] BHANDARI, DIPANKAR, DE
[71] CUREVAC AG, DE
[85] 2022-09-06
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[30] EP (PCT/EP2021/051873) 2021-01-27

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[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **ROBOT OBSTACLE COLLISION PREDICTION AND AVOIDANCE**
[54] **PREDICTION ET EVITEMENT D'UNE COLLISION AVEC DES OBSTACLES PAR UN ROBOT**
[72] MOORE, THOMAS, GB
[71] LOCUS ROBOTICS CORP., US
[85] 2022-09-06
[86] 2021-03-04 (PCT/US2021/020790)
[87] (WO2021/178614)
[30] US (16/809,810) 2020-03-05

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[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **SERUM ALBUMIN BINDING NANOBODY COMPOSITIONS AND METHODS FOR USING THE SAME**
[54] **COMPOSITIONS DE NANOCORPS LIANT L'ALBUMINE SERIQUE ET LEURS PROCEDES D'UTILISATION**
[72] SHI, YI, US
[72] SHEN, ZHUOLUN, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021094)
[87] (WO2021/178804)
[30] US (62/986,180) 2020-03-06

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[13] A1
[51] **Int.Cl. C08K 5/00 (2006.01) C08K 5/56 (2006.01) C09K 11/02 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITION FOR PREPARATION OF LITHIUM-LOADED PLASTIC SCINTILLATORS**
[54] **COMPOSES ET COMPOSITION POUR LA PREPARATION DE SCINTILLATEURS PLASTIQUES CHARGES DE LITHIUM**
[72] ZAITSEVA, NATALIA P., US
[72] CARMAN, M LESLIE, US
[72] GLENN, ANDREW M., US
[72] MABE, ANDREW NEIL (DECEASED), XX
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2022-09-06
[86] 2021-04-08 (PCT/US2021/026418)
[87] (WO2021/207519)
[30] US (63/007,235) 2020-04-08
[30] US (17/225,429) 2021-04-08

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[51] **Int.Cl. A61K 38/06 (2006.01) A61K 38/08 (2019.01) C07K 7/06 (2006.01)**
[25] EN
[54] **TREATMENTS FOR IMPROVING OR LESSENING IMPAIRMENT OF MITOCHONDRIAL FUNCTION**
[54] **TRAITEMENTS POUR AMELIORER OU DIMINUER LA DEGRADATION DE LA FONCTION MITOCHONDRIALE**
[72] KARAGEOZIAN, HAMPAR L., US
[72] PARK, JOHN Y., US
[72] KARAGEOZIAN, VICKEN H., US
[71] ALLEGRO PHARMACEUTICALS, LLC, US
[85] 2022-09-06
[86] 2021-03-05 (PCT/US2021/021171)
[87] (WO2021/178864)
[30] US (62/986,361) 2020-03-06

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[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **AN AGRICULTURAL IMPLEMENT, A COMPUTER PROGRAM, A COMPUTER-READABLE MEDIUM AND A METHOD FOR DETECTING ABNORMAL PRODUCT FLOW IN SUCH AN AGRICULTURAL IMPLEMENT**
[54] **EQUIPEMENT AGRICOLE, PROGRAMME INFORMATIQUE, SUPPORT LISIBLE PAR ORDINATEUR ET PROCEDE DE DETECTION D'UN ECOULEMENT DE PRODUIT ANORMAL DANS UN TEL EQUIPEMENT AGRICOLE**
[72] KARLSSON, ASTRID, SE
[71] VADERSTAD HOLDING AB, SE
[85] 2022-09-06
[86] 2021-03-05 (PCT/SE2021/050200)
[87] (WO2021/183027)
[30] SE (2030069-5) 2020-03-10

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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/22 (2019.01) G06F 16/23 (2019.01) G06F 16/27 (2019.01) G06Q 20/06 (2012.01)**
[25] EN
[54] **CRYPTOGRAPHIC DATA ENTRY BLOCKCHAIN DATA STRUCTURE**
[54] **STRUCTURE DE DONNEES DE CHAINE DE BLOCS D'ENTREE DE DONNEES CRYPTOGRAPHIQUES**
[72] TEEL, STEVEN, US
[72] FELKER, MICHAEL, US
[71] RUBIDEX, LLC, US
[85] 2022-09-06
[86] 2021-03-04 (PCT/US2021/020947)
[87] (WO2021/178719)
[30] US (62/985,129) 2020-03-04

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[51] **Int.Cl. C07D 231/14 (2006.01) A01N 43/56 (2006.01) C07D 231/16 (2006.01)**
[25] EN
[54] **PYRAZOLE CARBOXYLATE COMPOUND AND USE THEREOF**
[54] **COMPOSE CARBOXYLATE DE PYRAZOLE ET SON UTILISATION**
[72] YING, JUNWU, CN
[72] YANG, HUIBIN, CN
[72] MA, HONGJUAN, CN
[72] QIN, BO, CN
[72] CUI, DONGLIANG, CN
[72] WANG, MINGXIN, CN
[72] WANG, GANG, CN
[72] SUN, BING, CN
[72] ZHANG, FAN, CN
[72] CHEN, LIN, CN
[72] LIANG, SHUANG, CN
[72] LI, BIN, CN
[71] SHENYANG SINOCHEM AGROCHEMICALS R&D CO., LTD., CN
[71] JIANGSU YANGNONG CHEMICAL CO., LTD., CN
[85] 2022-09-06
[86] 2021-03-12 (PCT/CN2021/080370)
[87] (WO2021/180193)
[30] CN (202010174413.7) 2020-03-13

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[13] A1
[51] **Int.Cl. C08B 37/04 (2006.01)**
[25] EN
[54] **AMPHIPHILIC ALGINATE-OLEIC ACID MACROMOLECULES AND PROCESS FOR PREPARATION THEROF**
[54] **MACROMOLECULES AMPHIPHILES D'ALGINATE-ACIDE OLEIQUE ET LEUR PROCEDE DE PREPARATION**
[72] SUN, CHUNG CHIN, CA
[72] LIU, DEAN MO, CA
[71] NUECOLOGY BIOMEDICAL INC., CA
[85] 2022-09-06
[86] 2021-03-05 (PCT/CA2021/050293)
[87] (WO2021/174365)
[30] CA (PCT/CA2020/050297) 2020-03-05

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR TEMPERATURE ASYMMETRY MEASUREMENT OF BODY PARTS**
[54] **SYSTEME, PROCEDE ET APPAREIL DE MESURE D'ASYMETRIE DE TEMPERATURE DE PARTIES DE CORPS**
[72] STEIKUNIENE, URTE, LT
[72] MARINE, GINTARE, LT
[72] ZAJANCKAUSKAS, RYTIS, LT
[72] GUZAITIS, JONAS, LT
[71] UAB DIABETIS, LT
[85] 2022-09-06
[86] 2020-03-06 (PCT/IB2020/051950)
[87] (WO2021/176255)

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[13] A1
[51] **Int.Cl. C12H 1/22 (2006.01)**
[25] EN
[54] **ENHANCED CHEMICAL AND PHYSICAL AGING OF SPIRITS**
[54] **VIEILLISSEMENT CHIMIQUE ET PHYSIQUE AMELIORE DE SPIRITUEUX**
[72] RYAN, MICHAEL P., US
[71] RYAN, MICHAEL P., US
[85] 2022-09-06
[86] 2021-03-06 (PCT/US2021/021269)
[87] (WO2021/178940)
[30] US (62/986,036) 2020-03-06

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[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR OPTIMIZING A MANUFACTURING PROCESS**
[54] **SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE D'OPTIMISATION DE PROCESSUS DE FABRICATION**
[72] JIAO, YU, US
[72] FIGUEROA, HUMBERTO, MX
[72] FINLEY, JAMES J., US
[71] VITRO FLAT GLASS LLC, US
[85] 2022-09-06
[86] 2021-03-15 (PCT/US2021/022341)
[87] (WO2021/188426)
[30] US (62/990,260) 2020-03-16
[30] US (17/175,785) 2021-02-15

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[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS FOR INHIBITING TYK2 ACTIVITIES**
[54] **COMPOSES HETEROCYCLIQUES POUR INHIBER DES ACTIVITES DE TYK2**
[72] CHEN, XIANGYANG, CN
[72] PANG, YUCHENG, CN
[71] BEIJING INNOCARE PHARMA TECH CO., LTD., CN
[85] 2022-09-06
[86] 2021-03-09 (PCT/CN2021/079752)
[87] (WO2021/180072)
[30] US (62/988,317) 2020-03-11

[21] **3,170,774**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **A SHOCK ABSORBING DEVICE TO PROTECT CRYOPRESERVED BIOLOGICAL MATERIAL**
[54] **DISPOSITIF ABSORBANT LES CHOCS POUR PROTEGER UN MATERIEL BIOLOGIQUE CRYOCONSERVE**
[72] MCCORMICK, BRUCE, US
[71] BIOLIFE SOLUTIONS, INC., US
[85] 2022-09-06
[86] 2021-04-07 (PCT/US2021/026213)
[87] (WO2021/207379)
[30] US (16/843,493) 2020-04-08

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[13] A1
[51] **Int.Cl. A47J 27/12 (2006.01) A47J 27/122 (2006.01)**
[25] EN
[54] **COOKWARE ASSEMBLY**
[54] **ENSEMBLE DE BATTERIE DE CUISINE**
[72] TEHRANI, AMIR, US
[72] ROSNER, ZACHARY, US
[71] LAGOM KITCHEN COMPANY, US
[85] 2022-09-06
[86] 2020-07-17 (PCT/US2020/042498)
[87] (WO2021/011859)
[30] US (16/513,966) 2019-07-17

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[13] A1
[51] **Int.Cl. A24B 15/16 (2020.01) A24F 40/20 (2020.01) A24B 15/28 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING ASSEMBLY**
[54] **ENSEMBLE DE GENERATION D'AEROSOL**
[72] TESFATSION, BINIAM, GB
[72] YILMAZ, UGURHAN, GB
[72] BETSON, TATIANA, GB
[72] CROSS, JENNIFER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-09-06
[86] 2021-03-12 (PCT/GB2021/050634)
[87] (WO2021/181119)
[30] GB (2003675.2) 2020-03-13

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[13] A1
[51] **Int.Cl. G16H 30/40 (2018.01) G06V 10/82 (2022.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MAMMALIAN TRANSFER LEARNING**
[54] **SYSTEME ET PROCEDES POUR UN APPRENTISSAGE PAR TRANSFERT DE MAMMIFERES**
[72] CURTIN, SEAN THOMAS, US
[72] STEWART, CURTIS MITCHEL, US
[72] GILBRIDE, RYAN MATTHEW, US
[72] KIRKPATRICK, DOUGLAS, US
[72] OHST, DEVAN, US
[72] IOVINO, CHRISTOPHER, US
[71] AI:ON INNOVATIONS, INC., US
[85] 2022-09-06
[86] 2021-03-10 (PCT/US2021/021770)
[87] (WO2021/183684)
[30] US (62/987,441) 2020-03-10

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[13] A1
[51] **Int.Cl. A24F 40/60 (2020.01) G06F 3/0346 (2013.01) A24F 40/50 (2020.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE PRODUCTION D'AEROSOL ELECTRONIQUE**
[72] TURAKULOV, LAZIZ, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-09-06
[86] 2021-02-25 (PCT/GB2021/050479)
[87] (WO2021/186146)
[30] GB (2003961.6) 2020-03-19

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[13] A1
[51] **Int.Cl. A41C 3/12 (2006.01) A41C 3/14 (2006.01)**
[25] EN
[54] **UNDER-SUPPORT AND MOLDED BRA CUP**
[54] **SOUS-SUPPORT ET BONNET DE SOUTIEN-GORGE MOULE**
[72] CROMPTON, ELIZABETH A., US
[71] SCULPTED U, INC., US
[85] 2022-09-06
[86] 2021-03-08 (PCT/US2021/021345)
[87] (WO2021/183430)
[30] US (62/987,094) 2020-03-09

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR INTRODUCTION OF A TRANSACTION MECHANISM TO AN E-COMMERCE WEBSITE WITHOUT NECESSITATION OF MULTIPARTY SYSTEMS INTEGRATION**
[54] **SYSTEME ET PROCEDE D'INTRODUCTION D'UN MECANISME DE TRANSACTION DANS UN SITE WEB DE COMMERCE ELECTRONIQUE SANS NECESSITER L'INTEGRATION DE SYSTEMES MULTIPARTITES**
[72] HOGG, JASON JUDE, US
[71] RENT-A-CENTER WEST, INC., US
[85] 2022-09-06
[86] 2021-03-09 (PCT/US2021/021555)
[87] (WO2021/183549)
[30] US (62/987,081) 2020-03-09
[30] US (63/081,107) 2020-09-21

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[13] A1
[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/34 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVED EXECUTION OF A MULTIPARTY TRANSACTION INVOLVING ELECTRONIC FUNDS DISBURSEMENT**
[54] **SYSTEME ET PROCEDE D'EXECUTION AMELIOREE D'UNE TRANSACTION MULTIPARTITE IMPLIQUANT UN DEBOURSEMENT DE FONDS ELECTRONIQUE**
[72] HOGG, JASON JUDE, US
[71] RENT-A-CENTER WEST, INC., US
[85] 2022-09-06
[86] 2021-03-09 (PCT/US2021/021553)
[87] (WO2021/183547)
[30] US (62/987,081) 2020-03-09
[30] US (63/081,107) 2020-09-21

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[13] A1
[51] **Int.Cl. B29C 49/24 (2006.01) B29C 49/06 (2006.01) B29C 49/16 (2006.01) B29C 49/64 (2006.01) B32B 1/02 (2006.01)**
[25] EN
[54] **PULP BOTTLE WITH MOLDED INTERIOR LINING AND METHODS OF MAKING SAME**
[54] **BOUTEILLE EN PATE A PAPIER AYANT UNE DOUBLURE INTERIEURE MOULEE ET SES PROCEDES DE FABRICATION**
[72] KHAN, FUAD, GB
[72] BERK, ADAM, US
[72] GREEN, LEE, US
[71] LGAB LLC, US
[85] 2022-09-06
[86] 2021-03-12 (PCT/US2021/022094)
[87] (WO2021/183877)
[30] US (62/989,116) 2020-03-13

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[13] A1
[51] **Int.Cl. G06Q 40/04 (2012.01) G06F 16/242 (2019.01) G06F 16/245 (2019.01) G06F 16/248 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ORDERED OPERATION SETS ACCORDING TO TIME-SERIES DATA PROJECTIONS**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'ENSEMBLES D'OPERATIONS ORDONNES EN FONCTION DE PROJECTIONS DE DONNEES EN SERIE CHRONOLOGIQUE**
[72] NAPPER, HARRISON W., US
[71] TD AMERITRADE IP COMPANY, INC., US
[85] 2022-09-07
[86] 2020-09-13 (PCT/IB2020/058498)
[87] (WO2021/181150)
[30] US (16/814,948) 2020-03-10

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[13] A1
[51] **Int.Cl. G06F 8/38 (2018.01) G06F 8/41 (2018.01) G06F 16/22 (2019.01) G06N 20/00 (2019.01) G06F 9/30 (2018.01) G06F 9/455 (2018.01) G06F 9/48 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC SERVER CONTROL BASED ON ESTIMATED SCRIPT COMPLEXITY**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DYNAMIQUE DE SERVEURS BASEE SUR UNE COMPLEXITE ESTIMEE DE SCRIPTS**
[72] WALLACE, AARON DAVID, US
[72] NAIR, ABHILASH KRISHNANKUTTY, US
[71] TD AMERITRADE IP COMPANY, INC., US
[85] 2022-09-07
[86] 2020-09-14 (PCT/IB2020/058499)
[87] (WO2021/181151)
[30] US (16/816,196) 2020-03-11

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[13] A1
[51] **Int.Cl. A61K 36/605 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING FIBRE AND MULBERRY**
[54] **COMPOSITION COMPRENANT DE LA FIBRE ET DE LA MURE BLANCHE**
[72] DONG, ZHIZHONG, CN
[72] SHI, YUJIE, CN
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-09-07
[86] 2021-04-23 (PCT/EP2021/060663)
[87] (WO2021/214292)
[30] CN (PCT/CN2020/086705) 2020-04-24

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[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE FOR PROVIDING OPTIMUM GROWING CONDITIONS**
[54] **DISPOSITIF D'ECLAIRAGE POUR FOURNIR DES CONDITIONS DE CULTURE OPTIMALES**
[72] VAN VLIET, WILHELMUS PETRUS, NL
[72] SMITS, JOHANNES JACOBUS, NL
[71] NGES HOLDING B.V., NL
[85] 2022-09-07
[86] 2021-03-09 (PCT/NL2021/000002)
[87] (WO2021/182947)
[30] NL (1043597) 2020-03-10

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[13] A1
[51] **Int.Cl. A61B 6/00 (2006.01) B67D 99/00 (2010.01)**
[25] EN
[54] **RADIOPHARMACEUTICAL DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE PRODUIT RADIOPHARMACEUTIQUE**
[72] NANDI, INDRANIL, US
[71] JUBILANT PHARMA HOLDINGS INC., US
[85] 2022-09-07
[86] 2021-03-25 (PCT/US2021/024206)
[87] (WO2021/195414)
[30] US (63/001,048) 2020-03-27

[21] **3,170,847**
[13] A1
[51] **Int.Cl. A61M 16/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE AIRWAY STABILIZATION SYSTEM FOR PATIENT FACIAL GEOMETRIES OF VARIOUS SIZES AND FOR PEDIATRIC AND NEONATAL APPLICATIONS**
[54] **SYSTEME REGLABLE DE STABILISATION DES VOIES RESPIRATOIRES POUR DES GEOMETRIES FACIALES DE PATIENTS DE DIFFERENTES TAILLES ET POUR DES APPLICATIONS PEDIATRIQUES ET NEONATALES**
[72] KANOWITZ, ARTHUR, US
[72] SKUJINS, JANIS PAULIS, US
[72] BOLDENOW, PATRICK, US
[72] RYDBERG, NICHOLAS, US
[72] BRUNING, MARK, US
[72] MCINTYRE, KATHERINE, US
[72] TRINH, NAM, US
[71] SECURISYN MEDICAL, LLC, US
[85] 2022-09-07
[86] 2021-03-09 (PCT/US2021/021592)
[87] (WO2021/183579)
[30] US (62/987,068) 2020-03-09

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[13] A1
[51] **Int.Cl. A61B 17/17 (2006.01) A61C 1/08 (2006.01) A61C 8/00 (2006.01)**
[25] EN
[54] **CAPPED, GUIDED DENTAL IMPLANT SHIELD**
[54] **PROTECTION D'IMPLANT DENTAIRE GUIDEE ET COIFFEE**
[72] BASER, ULKU, TR
[72] OKUTAN, SERHAN, TR
[71] ISTANBUL UNIVERSITESI REKTORLUGU, TR
[85] 2022-09-07
[86] 2020-07-21 (PCT/TR2020/050637)
[87] (WO2021/201794)
[30] TR (2020/05031) 2020-03-31

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[13] A1
[51] **Int.Cl. B04B 9/12 (2006.01) B04B 1/08 (2006.01) B04B 11/02 (2006.01) F16C 27/04 (2006.01) F16C 27/08 (2006.01) F16C 39/02 (2006.01)**
[25] EN
[54] **A BEARING MEMBER FOR SUPPORTING A ROTATABLE AXLE**
[54] **ELEMENT DE PALIER POUR SUPPORTER UN ESSIEU ROTATIF**
[72] ELIASSON, THOMAS, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2022-09-07
[86] 2021-03-11 (PCT/EP2021/056242)
[87] (WO2021/180875)
[30] EP (20162575.3) 2020-03-12

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[13] A1
[51] **Int.Cl. E21B 33/14 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **DOWNHOLE APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES DE FOND DE TROU**
[72] HORN, TRISTAM PAUL, GB
[72] BRUCE, STEPHEN EDMUND, GB
[72] SHAND, DAVID MICHAEL, GB
[72] REYNOLDS, TYLER RHES, US
[71] DELTATEK OIL TOOLS LIMITED, GB
[85] 2022-09-07
[86] 2021-03-09 (PCT/GB2021/050587)
[87] (WO2021/181087)
[30] GB (2003477.3) 2020-03-10
[30] GB (2019183.9) 2020-12-04

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[13] A1
[51] **Int.Cl. A23C 20/02 (2021.01) A23J 3/16 (2006.01)**
[25] EN
[54] **PLANT-BASED CHEESE-LIKE FOOD AND MANUFACTURING METHOD THEREOF**
[54] **ALIMENT DE TYPE FROMAGE A BASE DE PLANTE ET SON PROCEDE DE FABRICATION**
[72] YANAGISAWA, MASANOBU, JP
[71] FUJI OIL HOLDINGS INC., JP
[85] 2022-09-07
[86] 2021-03-26 (PCT/JP2021/012767)
[87] (WO2021/193892)
[30] JP (2020-055406) 2020-03-26

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[13] A1
[51] **Int.Cl. A61K 31/70 (2006.01) A61K 31/7024 (2006.01)**
[25] EN
[54] **METHOD OF TREATING VIRAL INFECTIONS WITH HEXOSE TYPE MONOSACCHARIDES AND ANALOGS THEREOF**
[54] **PROCEDE DE TRAITEMENT D'INFECTIONS VIRALES AVEC DES MONOSACCHARIDES DE TYPE HEXOSES ET LEURS ANALOGUES**
[72] PRIEBE, WALDEMAR, US
[72] FOKT, IZABELA, US
[72] ZIELINSKI, RAFAL, US
[72] SKORA, STANISLAW, US
[72] PICKER, DONALD, US
[72] KLEMP, WALTER, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] MOLECULIN BIOTECH, INC., US
[85] 2022-09-07
[86] 2021-03-16 (PCT/US2021/022622)
[87] (WO2021/188586)
[30] US (62/990,337) 2020-03-16

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[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 1/00 (2006.01) G01N 33/48 (2006.01) G01N 35/00 (2006.01) G01N 35/08 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS AND KITS FOR IN-PEN ASSAYS**
[54] **PROCEDES, SYSTEMES ET KITS POUR ESSAIS DANS UN DISPOSITIF STYLO**
[72] ELMS, PHILLIP J. M., US
[72] SORKIN, MICHELLE, US
[72] LOUTHERBACK, KEVIN D., US
[72] LOWE, JR. RANDALL D., US
[71] BERKELEY LIGHTS INC., US
[85] 2022-09-07
[86] 2021-03-08 (PCT/US2021/021417)
[87] (WO2021/183458)
[30] US (62/986,786) 2020-03-09

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[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01) A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/44 (2006.01) A61F 2/48 (2006.01)**
[25] EN
[54] **SACROILIAC JOINT FUSION SYSTEMS AND METHODS**
[54] **PROCEDES ET SYSTEMES DE FUSION DE L'ARTICULATION SACRO-ILIAQUE**
[72] HUNT, JESSEE, US
[72] MATUSZ, DAVE, US
[71] 4WEB, INC., US
[85] 2022-09-07
[86] 2021-03-23 (PCT/US2021/023782)
[87] (WO2021/195151)
[30] US (62/993,600) 2020-03-23
[30] US (17/085,407) 2020-10-30

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[13] A1
[51] **Int.Cl. G06K 17/00 (2006.01) G07C 13/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD OF SECURING A VOTING TRANSACTION**
[54] **PROCEDE DE SECURISATION D'UNE TRANSACTION DE VOTE**
[72] DARTANYON, ANTWAUN WILLIAMS, US
[71] DUCKPOND TECHNOLOGIES, INC., US
[85] 2022-09-07
[86] 2021-03-10 (PCT/US2021/021761)
[87] (WO2021/183677)
[30] US (62/987,396) 2020-03-10

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[13] A1
[51] **Int.Cl. A61F 5/00 (2006.01)**
[25] EN
[54] **A DEVICE FOR TREATMENT OF OBESITY OR DIABETES OF A PATIENT AND A METHOD FOR SELECTING SUCH A DEVICE**
[54] **DISPOSITIF DE TRAITEMENT DE L'OBESITE OU DU DIABETE D'UN PATIENT ET PROCEDE DE SELECTION D'UN TEL DISPOSITIF**
[72] MANOS, THIERRY, FR
[72] BASTID, CHRISTOPHE, FR
[72] POULETTY, PHILIPPE, FR
[72] GARD, MARCO, IT
[72] SEJOR, ERIC, FR
[72] BIADILLAH, YOUSSEF, FR
[71] BARIATEK MEDICAL, FR
[85] 2022-09-07
[86] 2021-03-09 (PCT/EP2021/055850)
[87] (WO2021/180682)
[30] EP (20315034.7) 2020-03-09

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[13] A1
[51] **Int.Cl. C12M 1/12 (2006.01) C12N 5/073 (2010.01) C12N 5/079 (2010.01) C12N 5/00 (2006.01)**
[25] EN
[54] **UP-SCALED PRODUCTION OF MICROGLIA-LIKE/-PRECURSOR CELLS AND MACROPHAGE CELLS USING MESH MACROCARRIERS**
[54] **PRODUCTION A ECHELLE ELEVEE DE CELLULES PRECURSEURS/PRECURSEURS DE TYPE MICROGLIE ET DE CELLULES MACROPHAGES A L'AIDE DE MACROPORTEURS MAILLES**
[72] MATHEWS-AJENDRA, MONA ANN, DE
[72] HAUPT, SIMONE, DE
[72] BRUSTLE, OLIVER, DE
[71] LIFE & BRAIN GMBH, DE
[71] RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN, DE
[85] 2022-09-07
[86] 2021-03-10 (PCT/EP2021/056037)
[87] (WO2021/180781)
[30] EP (20162230.5) 2020-03-10

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[13] A1
[51] **Int.Cl. G09F 3/00 (2006.01)**
[25] EN
[54] **CABLE MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE CABLES**
[72] MARLEY, KEVIN A., US
[72] KELLY, BRIAN L., US
[72] GRACZYK, FRANK J., US
[72] HOST, DANIEL E., US
[72] KEMP, SHAWN T., US
[72] STROEDE, ANDREW J., US
[71] PANDUIT CORP., US
[85] 2022-09-07
[86] 2021-03-05 (PCT/US2021/021000)
[87] (WO2021/183375)
[30] US (62/986,890) 2020-03-09
[30] US (63/056,092) 2020-07-24
[30] US (17/191,984) 2021-03-04

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 40/50 (2020.01) A24F 40/51 (2020.01) A24F 40/57 (2020.01) A24F 40/65 (2020.01) A24F 40/85 (2020.01) A24F 40/95 (2020.01)**
[25] EN
[54] **SYSTEM-IN-PACKAGE AND AEROSOL GENERATING APPARATUS COMPRISING THE SAME**
[54] **SYSTEME EN BOITIER ET APPAREIL DE GENERATION D'AEROSOL LE COMPRENANT**
[72] LEE, SEUNG WON, KR
[72] KIM, YONG HWAN, KR
[72] YOON, SUNG WOOK, KR
[72] JANG, SEOK SU, KR
[72] HAN, DAE NAM, KR
[71] KT&G CORPORATION, KR
[85] 2022-09-07
[86] 2021-08-11 (PCT/KR2021/010658)
[87] (WO2022/055140)
[30] KR (10-2020-0117049) 2020-09-11

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[13] A1
[51] **Int.Cl. C08L 89/06 (2006.01) B33Y 70/00 (2020.01) B29C 64/124 (2017.01) C07K 14/78 (2006.01) C08J 3/24 (2006.01) C08L 5/08 (2006.01)**
[25] EN
[54] **A BIO-INK FOR 3D PRINTING, RELATED CONJUGATE AND PREPARATION PROCESS OF AN INTERMEDIATE CONSISTING OF A PHOTOREACTIVE LINKER**
[54] **BIO-ENCRE POUR IMPRESSION 3D, CONJUGUE ASSOCIE ET PROCEDE DE PREPARATION D'UN INTERMEDIAIRE CONSTITUE D'UN LIANT PHOTOREACTIF**
[72] GALESSO, DEVIS, IT
[72] BENINATTO, RICCARDO, IT
[72] PAVAN, MAURO, IT
[72] DI LUCIA, ALBA, IT
[71] FIDIA FARMACEUTICI S.P.A., IT
[85] 2022-09-07
[86] 2021-03-16 (PCT/IB2021/052160)
[87] (WO2021/186335)
[30] IT (102020000005692) 2020-03-17

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[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/102 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/285 (2006.01) C12N 1/21 (2006.01) C12N 9/10 (2006.01) C12N 15/09 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **VACCINES COMPRISING GLYCOENGINEERED BACTERIA**
[54] **VACCINS COMPRENANT DES BACTERIES GENETIQUEMENT MODIFIEES**
[72] NEUPERT, CHRISTINE, CH
[71] MALCISBO AG, CH
[85] 2022-09-07
[86] 2021-03-03 (PCT/EP2021/055298)
[87] (WO2021/180532)
[30] EP (20162625.6) 2020-03-12

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[13] A1
[51] **Int.Cl. C12N 15/70 (2006.01) C12N 1/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01)**
[25] EN
[54] **BACTERIAL HOST STRAINS**
[54] **SOUCHES HOTES BACTERIENNES**
[72] WILLIAMS, JAMES A., US
[71] NATURE TECHNOLOGY CORPORATION, US
[85] 2022-09-07
[86] 2021-03-11 (PCT/US2021/022002)
[87] (WO2021/183827)
[30] US (62/988,223) 2020-03-11

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[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **BCL-2 FAMILY PROTEINS MODULATING COMPOUNDS FOR CANCER TREATMENT**
[54] **PROTEINES DE LA FAMILLE BCL-2 MODULANT DES COMPOSES POUR LE TRAITEMENT DU CANCER**
[72] VOISIN-CHIRET, ANNE-SOPHIE, FR
[72] KIEFFER, CHARLINE, FR
[72] GUEDENEY, NICOLAS, FR
[72] DENIS, CAMILLE, FR
[72] DE PASCALE, MARTINA, FR
[72] POULAIN, LAURENT, FR
[72] WEISWALD, LOUIS BASTIEN, FR
[72] PAYSANT, HIPPOLYTE, FR
[71] CENTRE REGIONAL DE LUTTE CONTRE LE CANCER FRANCOIS BACLESSE, FR
[71] UNIVERSITE DE CAEN NORMANDIE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[85] 2022-09-07
[86] 2021-03-12 (PCT/EP2021/056415)
[87] (WO2021/180966)
[30] EP (20305263.4) 2020-03-13

[21] **3,170,895**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) A61G 5/10 (2006.01)**
[25] EN
[54] **MOUNTING BRACKET WITH LINEAR ADJUSTMENT**
[54] **SUPPORT DE MONTAGE A REGLAGE LINEAIRE**
[72] SHACKLES, EDWARD G., CA
[71] SEATING EXCELLENCE AND ADAPTIVE THERAPEUTIC SYSTEMS INC. D.B.A S.E.A.T.S, CA
[85] 2022-09-07
[86] 2021-03-08 (PCT/CA2021/050306)
[87] (WO2021/179070)
[30] US (16/813,674) 2020-03-09

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[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01) A63G 7/00 (2006.01) A63G 31/02 (2006.01)**
[25] EN
[54] **MOVABLE PLATFORM FOR A PATH**
[54] **PLATEFORME MOBILE POUR UN TRAJET**
[72] FLUTY, DAREN E., US
[72] SORRENTINO, CHRISTINE MARIE, US
[72] KELSO, JEFF, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2022-09-07
[86] 2021-03-22 (PCT/US2021/023489)
[87] (WO2021/194972)
[30] US (63/000,297) 2020-03-26
[30] US (17/157,403) 2021-01-25

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[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01)**
[25] EN
[54] **SUPPORT SYSTEM FOR AUTOMATED BUILDING MANAGEMENT ASSISTANCE**
[54] **SYSTEME DE SUPPORT POUR UNE AIDE A LA GESTION DE BATIMENT AUTOMATISEE**
[72] HAFERNIK, ROBERT, US
[72] BRYANT, REBEKKA, US
[72] VAUGHN, TYRELL CRAIG, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2022-09-07
[86] 2021-01-18 (PCT/US2021/013795)
[87] (WO2021/183213)
[30] US (16/813,339) 2020-03-09

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06T 19/00 (2011.01)**
[25] EN
[54] **TECHNIQUES FOR PRELOADING AND DISPLAYING HIGH QUALITY IMAGE DATA**
[54] **TECHNIQUES DE PRECHARGEMENT ET D'AFFICHAGE DE DONNEES D'IMAGE DE HAUTE QUALITE**
[72] SMITH, JOHN DAVID, US
[72] KRAUTHAMER, AKIVA MEIR, US
[72] HARE, JUSTIN ALLEN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2022-09-07
[86] 2021-03-24 (PCT/US2021/023990)
[87] (WO2021/202210)
[30] US (63/002,056) 2020-03-30
[30] US (17/200,255) 2021-03-12

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[13] A1
[51] **Int.Cl. G02F 1/1503 (2019.01) G02F 1/1506 (2019.01) G02F 1/1514 (2019.01) G02F 1/1516 (2019.01)**
[25] EN
[54] **ELECTROCHROMIC DEVICE AND METHOD FOR PRODUCING THE SAME**
[54] **DISPOSITIF ELECTROCHROME ET SON PROCEDE DE PRODUCTION**
[72] KUNG, YEN-CHENG, CH
[72] CIOBANU, MARIUS, CH
[72] LIU, YUHANG, CH
[71] FREESHAPE SA, CH
[85] 2022-09-07
[86] 2021-03-18 (PCT/EP2021/057023)
[87] (WO2021/185999)
[30] EP (20164333.5) 2020-03-19

[21] **3,170,902**
[13] A1
[25] EN
[54] **METHODS OF TREATING CANCER IN IMMUNOSUPPRESSED OR IMMUNOCOMPROMISED PATIENTS BY ADMINISTERING A PD-1 INHIBITOR**
[54] **PROCEDES DE TRAITEMENT DU CANCER CHEZ DES PATIENTS IMMUNOSUPPRIMES OU IMMUNOCOMPROMIS PAR L'ADMINISTRATION D'UN INHIBITEUR PD-1**
[72] DESAI, JIGAR, US
[72] FURY, MATTHEW G., US
[72] SELUZHYTSKY, ALEXANDER, US
[72] MEHTA, NIKITA PIYUSH, US
[71] REGENERON PHARMACEUTICALS, INC., US
[71] SANOFI BIOTECHNOLOGY, FR
[85] 2022-09-07
[86] 2022-03-22 (PCT/US2022/071248)
[87] (3170902)
[30] US (63/164,662) 2021-03-23
[30] US (63/183,690) 2021-05-04
[30] EP (21315128.5) 2021-07-16
[30] US (63/267,548) 2022-02-04
[30] US (63/267,797) 2022-02-10

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[13] A1
[51] **Int.Cl. G16H 20/60 (2018.01) A01K 61/80 (2017.01) G06N 20/00 (2019.01) A01K 5/00 (2006.01)**
[25] EN
[54] **NUTRITIONAL INFORMATION EXCHANGE SYSTEM**
[54] **SYSTEME D'ECHANGE D'INFORMATIONS NUTRITIONNELLES**
[72] PHELPS, JOHN, US
[72] PITTS, DAN, US
[72] RAWLINGS, DARRYL, US
[71] BAYSTRIDE, INC., US
[85] 2022-09-07
[86] 2021-03-11 (PCT/US2021/021976)
[87] (WO2021/183809)
[30] US (62/988,864) 2020-03-12

[21] **3,170,905**
[13] A1
[51] **Int.Cl. A01G 7/00 (2006.01) A01M 1/20 (2006.01)**
[25] EN
[54] **PLANT TREATMENT ASSEMBLY AND ASSOCIATED METHOD**
[54] **ENSEMBLE DE TRAITEMENT DE PLANTES ET PROCEDE ASSOCIE**
[72] MYHRENE, OLE, NO
[72] BAREL, MARTEN, NL
[71] MOLEDA AS, NO
[85] 2022-09-07
[86] 2021-03-15 (PCT/EP2021/056535)
[87] (WO2021/185763)
[30] NO (20200314) 2020-03-16

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **PRESSURE MODULATED MOTOR TORQUE FOR INFUSION PUMP**
[54] **COUPLE MOTEUR MODULE PAR PRESSION POUR UNE POMPE A PERFUSION**
[72] MADDEN, HENRY, US
[72] COONS, PAUL HARRISON, US
[72] FURRY, MARISA, US
[72] KRAUTBAUER, KEVIN, US
[71] SMITHS MEDICAL ASD, INC., US
[85] 2022-09-07
[86] 2021-03-10 (PCT/US2021/021696)
[87] (WO2021/183638)
[30] US (62/987,435) 2020-03-10

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[13] A1
[51] **Int.Cl. C07K 14/52 (2006.01)**
[25] EN
[54] **IL-10 MUTEINS**
[54] **MUTEINES D'IL-10**
[72] GORBY, CLAIRE, GB
[72] GONZALEZ, IGNACIO MORAGA, GB
[72] MITRA, SUMAN, FR
[71] UNIVERSITY OF DUNDEE, GB
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE LILLE, FR
[71] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE LILLE, FR
[85] 2022-09-07
[86] 2021-03-10 (PCT/GB2021/050592)
[87] (WO2021/181091)
[30] GB (2003428.6) 2020-03-10

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[13] A1
[51] **Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01) A23N 12/12 (2006.01)**
[25] EN
[54] **PROCESS OF CALIBRATION OF A ROASTING APPARATUS**
[54] **PROCEDE D'ETALONNAGE D'UN APPAREIL DE TORREFACTION**
[72] DUBIEF, FLAVIEN FLORENT, CH
[72] BIGLER, NICOLAS, CH
[72] PINDJUROV, RISTE, CH
[72] MARTIN, VINCENT, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-09-07
[86] 2021-04-27 (PCT/EP2021/061009)
[87] (WO2021/219654)
[30] EP (20171665.1) 2020-04-27

[21] **3,170,913**
[13] A1
[51] **Int.Cl. D06F 35/00 (2006.01)**
[25] EN
[54] **A METHOD OF LAUNDERING FABRIC**
[54] **PROCEDE DE LAVAGE D'ETOFFE**
[72] BROOKER, ANJU DEEPALI MASSEY, GB
[72] AMADOR ZAMARRENO, CARLOS, GB
[72] BUENO ROMO, LAURA, GB
[72] SOUTER, PHILIP FRANK, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-09-07
[86] 2021-03-25 (PCT/US2021/024039)
[87] (WO2021/202219)
[30] EP (20168011.3) 2020-04-03

[21] **3,170,915**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) A61P 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING INFLAMMATORY BOWEL DISEASE I**
[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE I**
[72] ITESCU, SILVIU, AU
[71] MESOBLAST INTERNATIONAL SARL, CH
[85] 2022-09-07
[86] 2021-03-11 (PCT/EP2021/056191)
[87] (WO2021/180850)
[30] AU (2020900742) 2020-03-11

[21] **3,170,917**
[13] A1
[51] **Int.Cl. C07D 473/06 (2006.01) A61K 31/522 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PURINE COMPOUNDS FOR TREATING DISORDERS**
[54] **COMPOSES DE PURINE POUR TRAITER DES TROUBLES**
[72] WILLIAMS, MARK, CA
[71] MARVEL BIOTECHNOLOGY, CA
[85] 2022-09-07
[86] 2021-03-09 (PCT/CA2021/050313)
[87] (WO2021/179074)
[30] US (62/987,533) 2020-03-10

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 35/28 (2015.01) A61P 1/04 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING INFLAMMATORY BOWEL DISEASE II**
[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE II**
[72] ITESCU, SILVIU, AU
[71] MESOBLAST INTERNATIONAL SARL, CH
[85] 2022-09-07
[86] 2021-03-11 (PCT/EP2021/056193)
[87] (WO2021/180851)
[30] AU (2020900743) 2020-03-11

[21] **3,170,922**
[13] A1
[51] **Int.Cl. F04B 1/02 (2006.01) F04B 1/0474 (2020.01) F04B 47/02 (2006.01)**
[25] EN
[54] **LINEAR FRAC PUMP ASSEMBLY**
[54] **ENSEMBLE POMPE DE FRACTURATION LINEAIRE**
[72] KUMAR, CHANDU, US
[72] SUTTON, JOE ALLEN, US
[72] MCCRADY, JOHN, US
[71] SPM OIL & GAS INC., US
[85] 2022-09-07
[86] 2021-03-09 (PCT/US2021/021580)
[87] (WO2021/183569)
[30] US (62/987,347) 2020-03-09

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[13] A1
[51] **Int.Cl. A01N 37/36 (2006.01) A01N 37/50 (2006.01) A01N 43/20 (2006.01) A01N 43/44 (2006.01) A01N 43/80 (2006.01) A01N 43/836 (2006.01) A01N 47/02 (2006.01) A01P 3/00 (2006.01) C07C 15/12 (2006.01) C07C 15/44 (2006.01) C07C 57/42 (2006.01)**
[25] EN
[54] **USE OF STROBILURIN TYPE COMPOUNDS FOR COMBATING PHYTOPATHOGENIC FUNGI CONTAINING AN AMINO ACID SUBSTITUTION F129L IN THE MITOCHONDRIAL CYTOCHROME B PROTEIN CONFERRING RESISTANCE TO QO INHIBITORS**
[54] **UTILISATION DE COMPOSES DE TYPE STROBILURINE POUR LUTTER CONTRE DES CHAMPIGNONS PHYTOPATHOGENES, CONTENANT UNE SUBSTITUTION D'ACIDES AMINES F129L DANS LA PROTEINE CYTOCHROME B MITOCHONDRIAL CONFERANT UNE RESISTANCE AUX INHIBITEURS I DE Q**
[72] KOCH, ANDREAS, DE
[72] FEHR, MARCUS, DE
[72] TEGGE, VANESSA, DE
[72] DEY, CHANDAN, IN
[72] POONOTH, MANOJKUMAR, IN
[72] KULKARNI, SARANG, IN
[72] LE VEZOUET, RONAN, DE
[72] WINTER, CHRISTIAN HARALD, DE
[72] RUDOLF, GEORG CHRISTOPH, DE
[72] RATH, RAKESH, IN
[72] KHANNA, SMRITI, IN
[72] CRAIG, IAN ROBERT, DE
[72] GRAMMENOS, WASSILIOS, DE
[72] GROTE, THOMAS, DE
[72] STAMMLER, GERD, DE
[72] MENTZEL, TOBIAS, DE
[72] HADEN, EGON, DE
[72] RHEINHEIMER, JOACHIM, DE
[71] BASF SE, DE
[85] 2022-09-07
[86] 2021-04-15 (PCT/EP2021/059727)
[87] (WO2021/219386)
[30] EP (20171942.4) 2020-04-28
[30] EP (21165157.5) 2021-03-26

[21] **3,170,927**
[13] A1
[51] **Int.Cl. B62D 55/21 (2006.01)**
[25] EN
[54] **TRACK ASSEMBLY BUSHING HAVING A WEAR MEMBER**
[54] **COUSSINET D'ENSEMBLE DE CHENILLE AYANT UN ELEMENT D'USURE**
[72] WEAVER, DOUGLAS TRENT, US
[72] VELIZ, MARK D., US
[72] RECKER, ROGER L., US
[71] CATERPILLAR INC., US
[85] 2022-09-07
[86] 2021-02-24 (PCT/US2021/019349)
[87] (WO2021/183282)
[30] US (16/813,900) 2020-03-10

[21] **3,170,928**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **ATOMIZING UNIT WITH CIRCUITOUS AIR PASSAGE AND ATOMIZATION ASSEMBLY**
[54] **UNITE D'ATOMISATION DE PASSAGE DE GAZ DE DEVIATION, ET ENSEMBLE D'ATOMISATION**
[72] CHEN, PING, CN
[71] SHENZHEN HUACHENGDA PRECISION INDUSTRY CO.LTD., CN
[85] 2022-09-07
[86] 2020-08-25 (PCT/CN2020/111129)
[87] (WO2022/040930)

[21] **3,170,929**
[13] A1
[51] **Int.Cl. H01M 8/2484 (2016.01) H01M 8/2465 (2016.01) H01M 8/2485 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL**
[54]
[72] KIKUCHI, ISAMU, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[85] 2022-09-07
[86] 2021-05-27 (PCT/JP2021/020230)
[87] (WO2021/261166)
[30] JP (2020-107392) 2020-06-23

[21] **3,170,930**
[13] A1
[51] **Int.Cl. A61K 31/522 (2006.01) A61K 31/7076 (2006.01) A61K 31/708 (2006.01)**
[25] EN
[54] **SEQUENTIAL TREATMENT OF CANCERS USING 6-THIO-DG, CHECKPOINT INHIBITORS AND RADIATION THERAPY**
[54] **TRAITEMENT SEQUENTIEL DE CANCERS A L'AIDE DE 6-THIO-DG, D'INHIBITEURS DE POINT DE CONTROLE ET DE RADIOTHERAPIE**
[72] SHAY, JERRY, US
[72] FU, YANG-XIN, US
[72] MENDER, ILGEN, US
[72] ZHANG, ANLI, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-09-07
[86] 2021-03-12 (PCT/US2021/022090)
[87] (WO2021/183873)
[30] US (62/989,041) 2020-03-13

[21] **3,170,931**
[13] A1
[51] **Int.Cl. E04B 9/10 (2006.01)**
[25] EN
[54] **HIGH STRENGTH MAIN TEE SPLICE**
[54] **EPISSURE DE TE PRINCIPAL A HAUTE RESISTANCE**
[72] ZHANG, HUI, US
[71] USG INTERIORS, LLC, US
[85] 2022-09-07
[86] 2021-03-04 (PCT/US2021/020821)
[87] (WO2021/183358)
[30] US (16/816,319) 2020-03-12

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[51] **Int.Cl. A24F 40/44 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **CAPILLARY LIQUID CONDUCTING AND ATOMIZING UNIT AND ATOMIZING DEVICE**
[54] **UNITE D'ATOMISATION A GUIDAGE CAPILLAIRE DE LIQUIDE ET APPAREIL D'ATOMISATION**
[72] CHEN, PING, CN
[71] SHENZHEN HUACHENGDA PRECISION INDUSTRY CO.LTD., CN
[85] 2022-09-07
[86] 2020-07-24 (PCT/CN2020/104539)
[87] (WO2022/016537)

[21] **3,170,934**
[13] A1
[51] **Int.Cl. E21B 27/02 (2006.01) E21B 33/14 (2006.01) E21B 33/16 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INJECTING A FLUID INTO THE WELL DURING DRILLING**
[54] **APPAREIL ET PROCEDE D'INJECTION D'UN FLUIDE DANS UN PUITS PENDANT LE FORAGE**
[72] CRACOLICI, FEDERICO, IT
[71] ENI SPA, IT
[85] 2022-09-07
[86] 2021-03-11 (PCT/IB2021/052021)
[87] (WO2021/181320)
[30] IT (102020000005386) 2020-03-12

[21] **3,170,935**
[13] A1
[51] **Int.Cl. B60C 25/00 (2006.01) G01M 17/02 (2006.01)**
[25] EN
[54] **TYRE SUPPORT DEVICE**
[54] **ENSEMBLE DE SUPPORT DE PNEUMATIQUES**
[72] MARTINEZ ALEJO, JUAN, ES
[72] LLOMBART GAVALDA, JUAN JOSE, ES
[71] METADATIA TECHNOLOGIES S.L., ES
[85] 2022-09-07
[86] 2020-12-29 (PCT/ES2020/070825)
[87] (WO2021/180986)
[30] EP (20382185.5) 2020-03-12

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[13] A1
[51] **Int.Cl. E04B 9/10 (2006.01)**
[25] EN
[54] **TRIPLE-LOCK MAIN TEE SPLICE**
[54] **EPISSURE POUR TE PRINCIPAL A TRIPLE VERROUILLAGE**
[72] ZHANG, HUI, US
[71] USG INTERIORS, LLC, US
[85] 2022-09-07
[86] 2021-03-04 (PCT/US2021/020789)
[87] (WO2021/183355)
[30] US (16/816,315) 2020-03-12

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[13] A1
[25] EN
[54] **AVAILABLE VEHICLE PARKING SPACE DETECTION USING MACHINE LEARNING**
[54] **DETECTION D'ESPACE DE STATIONNEMENT DE VEHICULE DISPONIBLE A L'AIDE D'UN APPRENTISSAGE MACHINE**
[72] VALLANCE, COLIN R., US
[72] ROBINSON, MICHAEL ALAN, US
[72] WEINBERG, FORREST, US
[72] NAIR, SANKAR, US
[71] CDW LLC, US
[85] 2022-09-07
[86] 2020-07-13 (PCT/US2020/041754)
[87] (WO2021/188140)
[30] US (16/823,736) 2020-03-19

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[25] EN
[54] **ADHESIVE WITH PROTEIN**
[54] **ADHESIF A PROTEINE**
[72] BIRKELAND, MICHAEL J., US
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2022-09-07
[86] 2021-03-18 (PCT/US2021/022891)
[87] (WO2021/188759)
[30] US (62/991,705) 2020-03-19

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[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01) H04W 4/02 (2018.01) H04B 17/318 (2015.01) G16H 10/60 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS, MEDIA, ARCHITECTURE AND GRAPHICAL USER INTERFACES FOR RAPID RESPONSE SYSTEMS**
[54] **SYSTEMES, PROCEDES, SUPPORTS, ARCHITECTURE ET INTERFACES UTILISATEUR GRAPHIQUES POUR SYSTEMES A REPONSE RAPIDE**
[72] AKRAM, TAHIR, CA
[72] AKRAM, ZAHID, US
[72] AKRAM, ZAKIR, CA
[71] OSITECH COMMUNICATIONS INC., CA
[85] 2022-09-07
[86] 2021-03-30 (PCT/CA2021/050414)
[87] (3170940)

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[13] A1
[51] **Int.Cl. A61N 2/00 (2006.01) A61N 2/02 (2006.01)**
[25] EN
[54] **A MAGNETIC FIELD EXPOSURE SYSTEM AND USES THEREOF**
[54] **SYSTEME D'EXPOSITION AU CHAMP MAGNETIQUE ET SES UTILISATIONS**
[72] MULLER, ELIANE J, CH
[72] HARITON, WILLIAM, CH
[72] BRUNNER, BRIGITTE, CH
[71] UNIVERSITAT BERN, CH
[85] 2022-09-07
[86] 2021-03-26 (PCT/EP2021/058009)
[87] (WO2021/191443)
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[51] **Int.Cl. A01N 43/16 (2006.01) A01N 65/03 (2009.01) A01N 59/00 (2006.01) A01P 21/00 (2006.01)**
[25] FR
[54] **PHYTOSANITARY COMPOSITION COMPRISING ULVANS AND SILICON**
[54] **COMPOSITION PHYTOSANITAIRE COMPRENANT DES ULVANES ET DU SILICIUM**
[72] NGUEMA-ONA, ERIC, FR
[72] YVIN, JEAN-CLAUDE, FR
[71] AGRO INNOVATION INTERNATIONAL, FR
[85] 2022-09-07
[86] 2021-03-12 (PCT/FR2021/050420)
[87] (WO2021/181051)
[30] FR (FR2002511) 2020-03-13

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[51] **Int.Cl. A01N 25/04 (2006.01) A01N 59/00 (2006.01) A61K 9/06 (2006.01) A61K 9/08 (2006.01) A61K 31/327 (2006.01) A61K 47/34 (2017.01) A61L 15/08 (2006.01) A61L 15/44 (2006.01) A61L 15/60 (2006.01) A61L 26/00 (2006.01)**
[25] EN
[54] **A MULTI-FUNCTIONAL CLEANING AND/OR DEBRIDEMENT COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE ET/OU DE DEBRIDEMENT MULTIFONCTIONNELLE**
[72] LYNGSTADAAS, STALE PETTER, NO
[72] HAUGEN, HAVARD J., NO
[71] CORTICALIS AS, NO
[85] 2022-09-07
[86] 2021-03-18 (PCT/EP2021/057021)
[87] (WO2021/185997)

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[13] A1
[51] **Int.Cl. E04B 1/76 (2006.01) E04B 2/70 (2006.01)**
[25] EN
[54] **BUILDING WALL**
[54] **PAROI DE BATIMENT**
[72] MOHR, ANDREAS, DE
[71] PMFHOUSING GMBH, DE
[85] 2022-09-07
[86] 2021-03-13 (PCT/EP2021/056436)
[87] (WO2021/185711)
[30] DE (10 2020 107 069.1) 2020-03-14

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[13] A1
[51] **Int.Cl. A61K 8/22 (2006.01) A61K 8/90 (2006.01) A61Q 17/00 (2006.01)**
[25] EN
[54] **IMPROVED LIQUID COMPOSITION FOR CLEANING, SANITIZING AND/OR DISINFECTING**
[54] **COMPOSITION LIQUIDE AMELIOREE POUR LE NETTOYAGE, L'ASSAINISSEMENT ET/OU LA DESINFECTION**
[72] LYNGSTADAAS, STALE PETTER, NO
[72] HAUGEN, HAVARD J., NO
[71] CORTICALIS AS, NO
[85] 2022-09-07
[86] 2021-03-18 (PCT/EP2021/057024)
[87] (WO2021/186000)
[30] EP (20164065.3) 2020-03-18
[30] US (16/840,921) 2020-04-06

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[13] A1
[51] **Int.Cl. A01N 65/22 (2009.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MENTHA PLANT EXTRACT COMPOSITIONS AND METHODS OF USING SAME**
[54] **COMPOSITIONS HERBICIDES D'EXTRAIT VEGETAL DE MENTHE ET LEURS PROCEDES D'UTILISATION**
[72] BROMMER, CHAD L., US
[71] HARPE BIOHERBICIDE SOLUTIONS, INC., US
[85] 2022-09-07
[86] 2021-03-15 (PCT/US2021/022312)
[87] (WO2021/183990)
[30] US (62/989,337) 2020-03-13

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[13] A1
[51] **Int.Cl. E01F 15/14 (2006.01)**
[25] EN
[54] **CRASH CUSHION**
[54] **COUSSIN DE SECURITE**
[72] SINDORF, BRENT, US
[72] BUEHLER, MICHAEL J., US
[71] TRINITY HIGHWAY PRODUCTS LLC, US
[85] 2022-09-07
[86] 2021-03-01 (PCT/US2021/020232)
[87] (WO2021/183313)
[30] US (62/987,168) 2020-03-09

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[13] A1
[51] **Int.Cl. G01F 1/684 (2006.01) G01F 1/69 (2006.01) H02K 1/32 (2006.01) G01F 25/10 (2022.01)**
[25] FR
[54] **ELECTRONIC HEAT BALANCE FLOW METER**
[54] **DEBITMETRE ELECTRONIQUE A BILAN THERMIQUE**
[72] TORRIANO, FEDERICO, CA
[72] VENNE, KEVIN, US
[72] PROVENCHER, LUC, CA
[72] KIROUAC, MATHIEU, CA
[72] MYDLARSKI, LAURENT, CA
[71] HYDRO-QUEBEC, CA
[85] 2022-09-07
[86] 2021-12-17 (PCT/CA2021/051831)
[87] (WO2022/133584)
[30] CA (3103598) 2020-12-21

[21] **3,170,954**
[13] A1
[51] **Int.Cl. G01N 7/00 (2006.01) G01N 9/00 (2006.01)**
[25] EN
[54] **LIQUID DENSITY MEASUREMENT DEVICE, SYSTEM AND METHOD**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE MESURE DE DENSITES DE LIQUIDES**
[72] WAGNER, ROLAND, US
[72] DRUBE, PAUL, US
[71] CHART INC., US
[85] 2022-09-07
[86] 2021-02-19 (PCT/US2021/018656)
[87] (WO2021/183271)
[30] US (62/987,477) 2020-03-10

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[13] A1
[51] **Int.Cl. A61K 8/19 (2006.01) A61Q 19/10 (2006.01) B65D 17/00 (2006.01)**
[25] EN
[54] **SODIUM PERCARBONATE DISSOLVING BATH PRODUCT FORMULATION**
[54] **FORMULATION DE PRODUIT DE BAIN A DISSOLUTION DE PERCARBONATE DE SODIUM**
[72] ZADA, GABRIEL, US
[71] SOAKNESS LLC, US
[85] 2022-09-07
[86] 2021-03-09 (PCT/US2021/021558)
[87] (WO2021/183551)
[30] US (62/987,709) 2020-03-10

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[13] A1
[51] **Int.Cl. A22C 21/00 (2006.01)**
[25] EN
[54] **HOLDING ELEMENT FOR POSITIONING BACK PARTS OR PARTS THEREOF OF POULTRY CARCASSES**
[54] **ELEMENT DE RETENUE DESTINE A L'AGENCEMENT DE DOS OU PARTIES DE CES DERNIERS DE CARCASSES DE VOLAILLE**
[72] LEUSCHNER, STEPHAN, DE
[72] LANDT, ANDREAS, DE
[72] RIGGERT, LASSE, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[85] 2022-09-07
[86] 2021-03-24 (PCT/EP2021/057554)
[87] (WO2021/191267)
[30] DE (10 2020 108 618.0) 2020-03-27

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[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/10 (2006.01) A61B 3/107 (2006.01)**
[25] EN
[54] **ILLUMINATION OF AN EYE FUNDUS USING NON-SCANNING COHERENT LIGHT**
[54] **ECLAIREMENT D'UN FOND D'?IL A L'AIDE D'UNE LUMIERE COHERENTE SANS BALAYAGE**
[72] REGE, ABHISHEK, US
[71] VASOPTIC MEDICAL INC., US
[85] 2022-09-07
[86] 2021-03-10 (PCT/US2021/021695)
[87] (WO2021/183637)
[30] US (62/989,224) 2020-03-13

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[13] A1
[51] **Int.Cl. C04B 7/17 (2006.01) C04B 7/19 (2006.01) C04B 7/21 (2006.01) C04B 28/06 (2006.01) C04B 28/08 (2006.01) C04B 28/14 (2006.01) C04B 28/16 (2006.01)**
[25] EN
[54] **SLAG-BASED HYDRAULIC BINDER, DRY MORTAR COMPOSITION COMPRISING SAME AND SYSTEM FOR ACTIVATING A SLAG-BASED BINDER**
[54] **LIANT HYDRAULIQUE A BASE DE LAITIER, COMPOSITION SECHE DE MORTIER COMPRENANT CE LIANT ET SYSTEME D'ACTIVATION D'UN LIANT A BASE DE LAITIER**
[72] DAUBRESSE, ANNE, FR
[72] GUERET, ETIENNE, FR
[72] PERRET, VIRGINIE, FR
[72] LECHEVALIER, MELANIE, FR
[71] SIKA TECHNOLOGY AG, CH
[85] 2022-09-07
[86] 2021-03-05 (PCT/EP2021/055660)
[87] (WO2021/180594)
[30] FR (FR2002491) 2020-03-13

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[13] A1
[51] **Int.Cl. E21B 47/022 (2012.01) E21B 47/09 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USING A MAGNETOMETER IN A GYRO-WHILE-DRILLING SURVEY TOOL**
[54] **SYSTEME ET PROCEDE D'UTILISATION D'UN MAGNETOMETRE DANS UN OUTIL DE SONDAGE GYROSCOPIQUE PENDANT LE FORAGE**
[72] LEDROZ, ADRIAN GUILLERMO, US
[71] GYRODATA, INCORPORATED, US
[85] 2022-09-07
[86] 2021-12-10 (PCT/US2021/062821)
[87] (WO2022/125907)
[30] US (63/124,005) 2020-12-10
[30] US (17/547,097) 2021-12-09

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[13] A1
[25] EN
[54] **CASCADED FEATURE DETECTORS FOR IMPROVED STREAM PROCESSING EFFICIENCY**
[54] **DETECTEURS DE CARACTERISTIQUES EN CASCADE POUR UNE EFFICACITE DE TRAITEMENT DE FLUX AMELIOREE**
[72] HUSHEER, SHAMUS LOUIS GODFREY, GB
[72] WILLIAMS, GARETH PAUL, GB
[72] NIEZNANSKI, MICHAL, GB
[71] HEARTFELT TECHNOLOGIES LTD, GB
[85] 2022-09-07
[86] 2021-03-10 (PCT/IB2021/051944)
[87] (WO2021/181264)
[30] GB (2003434.4) 2020-03-10

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[13] A1
[51] **Int.Cl. A61K 33/10 (2006.01) A61P 3/12 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **AMORPHOUS CALCIUM CARBONATE FOR TREATMENT OF ACIDOSIS**
[54] **CARBONATE DE CALCIUM AMORPHE POUR LE TRAITEMENT DE L'ACIDOSE**
[72] BEN, YOSSI, IL
[72] BLUM, YIGAL, US
[72] NATAN, YEHUDIT, IL
[71] AMORPHICAL LTD., IL
[85] 2022-09-08
[86] 2021-01-28 (PCT/IL2021/050103)
[87] (WO2021/181372)
[30] US (62/987,952) 2020-03-11

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[13] A1
[51] **Int.Cl. G05D 23/19 (2006.01) A23N 12/08 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **METHOD OF ROASTING**
[54] **PROCEDE DE TORREFACTION**
[72] DUBIEF, FLAVIEN FLORENT, CH
[72] BIGLER, NICOLAS, CH
[71] SOCIETE DES PRODUITS NESTLE SA, CH
[85] 2022-09-08
[86] 2021-04-27 (PCT/EP2021/061004)
[87] (WO2021/219650)
[30] EP (20171659.4) 2020-04-27

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[13] A1
[51] **Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01) A23N 12/12 (2006.01)**
[25] EN
[54] **SYSTEM FOR CALIBRATION OF ROASTING APPARATUSES**
[54] **SYSTEME D'ETALONNAGE D'APPAREILS DE TORREFACTION**
[72] DUBIEF, FLAVIEN FLORENT, CH
[72] BIGLER, NICOLAS, CH
[72] PINDJUROV, RISTE, CH
[72] MARTIN, VINCENT, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-09-08
[86] 2021-04-27 (PCT/EP2021/061007)
[87] (WO2021/219652)
[30] EP (20171668.5) 2020-04-27

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/67 (2006.01) C12N 15/867 (2006.01)**
[25] EN
[54] **MODIFIED VECTORS FOR PRODUCTION OF RETROVIRUS**
[54] **VECTEURS MODIFIES POUR LA PRODUCTION DE RETROVIRUS**
[72] SWEENEY, NATHAN, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY LIMITED, GB
[85] 2022-09-08
[86] 2021-04-07 (PCT/EP2021/058576)
[87] (WO2021/204655)
[30] GB (2005096.9) 2020-04-07

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[13] A1
[51] **Int.Cl. G06K 7/10 (2006.01)**
[25] EN
[54] **SYSTEM, DEVICE, PRODUCT, APPARATUS, AND METHOD FOR READING SYRINGE INFORMATION**
[54] **SYSTEME, DISPOSITIF, PRODUIT, APPAREIL ET PROCEDE DE LECTURE D'INFORMATIONS DE SERINGUE**
[72] ZHU, HONG, US
[72] ELLERBUSCH, GARY, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-09-08
[86] 2021-03-04 (PCT/US2021/020884)
[87] (WO2021/183364)
[30] US (62/986,943) 2020-03-09

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[13] A1
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 31/737 (2006.01) A61P 11/00 (2006.01)**
[25] FR
[54] **COMPOSITION FOR THE TREATMENT OF LESIONS OF THE RESPIRATORY SYSTEM**
[54] **COMPOSITION POUR LE TRAITEMENT DE LESIONS DU SYSTEME RESPIRATOIRE**
[72] BARRITAULT, DENIS, FR
[71] ORGANES TISSUS REGENERATION REPARATION REMPLACEMENT, FR
[71] BARRITAULT, DENIS, FR
[85] 2022-09-08
[86] 2021-03-08 (PCT/FR2021/050385)
[87] (WO2021/181037)
[30] FR (PCT/FR2020/000052) 2020-03-09
[30] EP (PCT/EP2020/073649) 2020-08-24

[21] **3,171,017**
[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 20/17 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING, INTERPRETING, AND ACTING ON CONTINUOUS GLUCOSE MONITORING DATA**
[54] **SYSTEMES ET PROCEDES D'ANALYSE, D'INTERPRETATION ET D'EXPLOITATION DE DONNEES DE SURVEILLANCE CONTINUE DE LA GLYCEMIE**
[72] LIU, SHIPING, US
[72] SHOMALI, MANSUR, US
[72] KUMBARA, ABHIMANYU, US
[72] IYER, ANAND, US
[72] PEEPLES, MALINDA, US
[72] DUGAS, MICHELLE, US
[72] CROWLEY, KENYON, US
[72] GAO, GUODONG, US
[71] WELLDOC, INC., US
[85] 2022-09-08
[86] 2021-03-19 (PCT/US2021/023226)
[87] (WO2021/188942)
[30] US (62/992,385) 2020-03-20
[30] US (62/992,409) 2020-03-20
[30] US (63/135,818) 2021-01-11

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[13] A1
[51] **Int.Cl. G01N 33/497 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NON-INVASIVE DETERMINATION OF COVID-19 CORONAVIRUS INFECTION**
[54] **SYSTEMES ET METHODES POUR LA DETERMINATION NON INVASIVE DE L'INFECTION PAR LE CORONAVIRUS COVID-19**
[72] GABBAI, ERAN, IL
[72] MAYDAR, YANIV, IL
[72] AHARONOV-NADBORNY, REGINA, IL
[71] TERAHERTZ GROUP LTD., IL
[85] 2022-09-08
[86] 2021-03-19 (PCT/IB2021/052327)
[87] (WO2021/186412)
[30] US (62/992,627) 2020-03-20
[30] US (63/000,077) 2020-03-26
[30] IL (273709) 2020-03-31
[30] US (63/002,404) 2020-03-31
[30] US (63/012,672) 2020-04-20
[30] US (63/012,682) 2020-04-20
[30] US (63/015,714) 2020-04-27
[30] US (63/015,723) 2020-04-27
[30] US (63/032,732) 2020-06-01
[30] US (63/032,735) 2020-06-01
[30] US (63/038,920) 2020-06-15
[30] US (63/038,921) 2020-06-15
[30] US (63/051,398) 2020-07-14
[30] US (63/051,399) 2020-07-14
[30] US (63/057,318) 2020-07-28
[30] US (63/057,319) 2020-07-28
[30] US (63/075,316) 2020-09-08
[30] US (63/075,324) 2020-09-08
[30] US (63/111,089) 2020-11-09
[30] US (63/111,091) 2020-11-09

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[13] A1
[51] **Int.Cl. B22F 1/00 (2022.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) B33Y 40/20 (2020.01) B22F 10/28 (2021.01) B22F 3/105 (2006.01) C22C 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN ALUMINIUM ALLOY PART**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN ALLIAGE D'ALUMINIUM**
[72] CHEHAB, BECHIR, FR
[72] SHAHANI, RAVI, FR
[71] C-TEC CONSTELLIUM TECHNOLOGY CENTER, FR
[85] 2022-09-08
[86] 2021-05-10 (PCT/FR2021/050802)
[87] (WO2021/156583)
[30] FR (FR2004725) 2020-05-13

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[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/14 (2006.01)**
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[54] **PHENOLIC FOAM AND METHOD OF MANUFACTURE THEREOF**
[54] **MOUSSE PHENOLIQUE ET SON PROCEDE DE FABRICATION**
[72] COPPOCK, VINCENT, GB
[72] ZEGGELAAR, RUUD, NL
[72] VERHOEVEN, ARNO, NL
[72] MARKEY, DIANE, GB
[71] KINGSPAN HOLDINGS (IRL) LIMITED, IE
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[54] **MOUNTING DEVICE FOR A METAL ROOF**
[54] **DISPOSITIF DE MONTAGE POUR UN TOIT METALLIQUE**
[72] HADDOCK, DUSTIN M.M., US
[72] MOSS, JONATHON, US
[72] HOLLEY, NIKOLAUS JO, US
[71] RMH TECH LLC, US
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[30] US (62/990,160) 2020-03-16
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[51] **Int.Cl. F16D 65/097 (2006.01)**
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[54] **BACKING PLATE FOR A DISC BRAKE OF A MOTOR VEHICLE AND METHOD FOR MANUFACTURING SAID BACKING PLATE**
[54] **PLATEAU DE FREIN POUR UN FREIN A DISQUE D'UN VEHICULE AUTOMOBILE ET PROCEDE DE FABRICATION DUDIT PLATEAU DE FREIN**
[72] BERGHAUS, FRANK, DE
[72] SCHNEIDER, DIRK, DE
[71] TMD FRICTION SERVICES GMBH, DE
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[54] **HARNESS FOR FALL PROTECTION**
[54] **HARNAIS POUR DISPOSITIF ANTICHUTE**
[72] ZHOU, PENG, CN
[72] ZHU, XIAOJUAN, CN
[72] LIN, LING, CN
[72] SUN, ANBO, CN
[71] HONEYWELL INTERNATIONAL INC., US
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[54] **BREATH TESTING APPARATUS**
[54] **APPAREIL DE TEST RESPIRATOIRE**
[72] HAMILTON, ERIC LYLE, US
[72] ROSS, KATHERINE, US
[71] QUINTRON INSTRUMENT COMPANY, INC., US
[71] HAMILTON, ERIC LYLE, US
[71] ROSS, KATHERINE, US
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[25] EN
[54] **EDGE COMPUTING DEVICE AND SYSTEM FOR VEHICLE, CONTAINER, RAILCAR, TRAILER, AND DRIVER VERIFICATION**
[54] **DISPOSITIF ET SYSTEME INFORMATIQUES EN PERIPHERIE POUR VEHICULE, CONTENEUR, AUTORAIL, REMORQUE, ET VERIFICATION DE CONDUCTEUR**
[72] PRASAD, ASHUTOSH, US
[72] PRASAD, VIVEK, US
[71] KOIREADER TECHNOLOGIES, INC., US
[85] 2022-09-08
[86] 2021-03-10 (PCT/US2021/021699)
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[25] EN
[54] **REINFORCED STRUCTURE HAVING CONTINUOUS FIBER REINFORCED ELEMENTS AND METHOD OF MAKING THEREOF**
[54] **STRUCTURE RENFORCEE AYANT DES ELEMENTS RENFORCES PAR DES FIBRES CONTINUES ET SON PROCEDE DE FABRICATION**
[72] FUNCK, RALPH, DE
[72] JUNG, JENS, DE
[72] WELSCH, MARTIN, DE
[71] ALBANY ENGINEERED COMPOSITES, US
[85] 2022-09-08
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[25] EN
[54] **POWER SOURCE FOR A VOLTAGE REGULATION DEVICE**
[54] **SOURCE D'ALIMENTATION POUR UN DISPOSITIF DE REGULATION DE TENSION**
[72] SCHAAR, JONATHAN MICHAEL, US
[72] ZHAO, TIEFU, US
[72] WANG, YAFENG, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2022-09-08
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[25] EN
[54] **METHOD FOR PRODUCING A MULTILAYERED COMPOSITE FILM, MULTILAYERED COMPOSITE FILM AND USE THEREOF**
[54] **PROCEDE DE PRODUCTION D'UN FILM COMPOSITE MULTICOUCHE, FILM COMPOSITE MULTICOUCHE, ET UTILISATION ASSOCIEE**
[72] SCHIFFMANN, JURGEN MICHAEL, DE
[71] KUHNE ANLAGENBAU GMBH, DE
[85] 2022-09-08
[86] 2021-04-28 (PCT/EP2021/061052)
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[25] EN
[54] **SMART POWER SPLITTERS FOR HIGH VOLTAGE OUTLET**
[54] **DIVISEURS D'ENERGIE INTELLIGENTS POUR SORTIE HAUTE TENSION**
[72] VELURU, AKHIL, US
[72] HARRISON, SPENCER ANDREW, US
[72] MEFFERT, RYAN, US
[71] NEOCHARGE INCORPORATED, US
[85] 2022-09-08
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[13] A1
[51] **Int.Cl. G01F 23/34 (2006.01)**
[25] EN
[54] **WATER LEVEL INDICATOR, METHOD OF MANUFACTURE THEREOF AND ARTICLES COMPRISING THE SAME**
[54] **INDICATEUR DE NIVEAU D'EAU, SON PROCEDE DE FABRICATION ET ARTICLES LE COMPRENANT**
[72] PERKINS, ROBBIE M., US
[71] UNION CARBIDE CORPORATION, US
[85] 2022-09-08
[86] 2021-03-11 (PCT/US2021/021893)
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[25] EN
[54] **HYDROLYTICALLY STABLE PHOSPHITE COMPOSITION, POLYMER COMPOSITION COMPRISING SAID HYDROLYTICALLY STABLE PHOSPHITE COMPOSITION**
[54] **COMPOSITION DE PHOSPHITES HYDROLYTIQUEMENT STABLE ET COMPOSITION DE POLYMERE COMPRENANT LADITE COMPOSITION DE PHOSPHITES HYDROLYTIQUEMENT STABLE**
[72] HILL, JONATHAN, GB
[72] BYRNE, JONATHAN, GB
[71] SI GROUP-SWITZERLAND GMBH, CH
[85] 2022-09-08
[86] 2021-03-11 (PCT/EP2021/056155)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING LIPID-BASED CARRIERS ENCAPSULATING RNA FOR MULTIDOSE ADMINISTRATION**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DES VECTEURS LIPIDIQUE ENCAPSULANT DE L'ARN POUR UNE ADMINISTRATION MULTIDOSE**
[72] SONNTAG, MICHAEL, DE
[72] ROOS, TILMANN, DE
[72] ARNOLD, STEFAN, DE
[72] ERBACHER, CHRISTOPH, DE
[71] CUREVAC AG, DE
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[25] EN
[54] **PERSONAL CARE COMPOSITION COMPRISING MANNOSE OLIGOSACCHARIDES**
[54] **COMPOSITION DE SOINS PERSONNELS COMPRENANT DES OLIGOSACCHARIDES DE MANNOSE**
[72] BELHAJ, NABILA, FR
[72] CLIO, DOMINIQUE KARINE, BE
[72] OLLAGNIER, JEAN-NOEL, BE
[72] STENGEL, BRUNO FREDERIC, BE
[71] CARGILL, INCORPORATED, US
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[86] 2021-03-09 (PCT/US2021/021494)
[87] (WO2021/183505)
[30] US (62/989,089) 2020-03-13
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[25] EN
[54] **SYSTEM FOR COOLING NON-LIQUID CONVEYABLE PRODUCT**
[54] **SYSTEME DE REFROIDISSEMENT DE PRODUIT TRANSPORTABLE NON LIQUIDE**
[72] HUNEK, BALAZS, US
[72] JOHNSON, MICHAEL V., US
[72] WANIC, ELIZABETH W., US
[72] JAMPALA, SOUJANYA N., US
[72] GASTEYER, III THEODORE H., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2022-09-08
[86] 2021-03-04 (PCT/US2021/020827)
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[30] US (62/990,001) 2020-03-16

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[51] **Int.Cl. B01J 23/52 (2006.01) B01J 21/06 (2006.01) B01J 23/66 (2006.01) B01J 37/02 (2006.01) C07C 67/39 (2006.01)**
[25] EN
[54] **PROCESS AND CATALYST FOR OXIDATIVE ESTERIFICATION WITH LONG-LIFE CATALYST**
[54] **PROCESSUS ET CATALYSEUR POUR L'ESTERIFICATION OXYDATIVE AVEC UN CATALYSEUR A LONGUE DUREE DE VIE**
[72] LIMBACH, KIRK W., US
[72] FRICK, CHRISTOPHER D., US
[72] LEE, WEN -SHENG, US
[72] SUSSMAN, VICTOR J., US
[72] KRAPCHETOV, DMITRY A., US
[72] HERRON, JEFFREY A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
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[86] 2021-03-15 (PCT/US2021/022283)
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[30] US (62/990,482) 2020-03-17

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[51] **Int.Cl. G06K 7/00 (2006.01) G06F 21/34 (2013.01)**
[25] EN
[54] **READER DEVICE AND METHOD OF CONFIGURING THE SAME**
[54] **DISPOSITIF DE LECTURE ET SON PROCEDE DE CONFIGURATION**
[72] WELLER, GUNTHER, DE
[71] HID GLOBAL GMBH, DD
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[86] 2021-12-22 (PCT/EP2021/087202)
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[30] EP (20217596.4) 2020-12-29

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[51] **Int.Cl. A01G 18/00 (2018.01) C12N 1/14 (2006.01) E04B 1/14 (2006.01) E04B 1/16 (2006.01) E04B 1/74 (2006.01) E04B 1/80 (2006.01) E04B 2/00 (2006.01) E04B 5/02 (2006.01) E04C 2/16 (2006.01) E04C 2/38 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A PREFAB CONSTRUCTION ELEMENT**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT DE CONSTRUCTION PREFABRIQUE**
[72] BORRA, HANS ANTONIUS, NL
[72] VAN DRIEL, ROLAND, NL
[71] FS-INSULATION B.V., NL
[85] 2022-09-08
[86] 2021-03-12 (PCT/EP2021/056384)
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[30] EP (20162810.4) 2020-03-12

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[51] **Int.Cl. B01J 6/00 (2006.01) B29B 17/02 (2006.01) B29B 17/04 (2006.01) C10B 7/10 (2006.01) C10B 53/00 (2006.01) C10B 53/07 (2006.01) C10G 1/10 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PYROLYSIS OF PLASTICS**
[54] **SYSTEME ET PROCEDE DE PYROLYSE DE PLASTIQUES**
[72] AZULY, AMIT, IL
[71] CO-ENERGY LTD., IL
[85] 2022-09-08
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[51] **Int.Cl. G21C 13/10 (2006.01)**
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[54] **REACTOR BUILDING AND VESSEL SYSTEMS**
[54] **BATIMENTS REACTEURS ET SYSTEMES DE CUVE**
[72] DEWITTE, JACOB, US
[72] COCHRAN, CAROLINE, US
[72] GRAFF, NATHAN, US
[72] EVERETT, PATRICK, US
[72] RICHARD, JOSHUA G., US
[72] RENNER, ALEX, US
[72] HAWN, DAVID, US
[72] HANSON, JOHN, US
[71] OKLO INC., US
[85] 2022-09-08
[86] 2021-03-08 (PCT/US2021/021394)
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[30] US (62/987,115) 2020-03-09
[30] US (62/987,705) 2020-03-10

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[25] EN
[54] **COMPACT ARTICULATED-STEERING LOADER**
[54] **CHARGEUR COMPACT A DIRECTION ARTICULEE**
[72] LYKKEN, THOMAS G., US
[72] CHRISTIANSON, PETER J., US
[71] MAC COMPANY, LLC, US
[85] 2022-09-08
[86] 2020-07-23 (PCT/US2020/043202)
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[30] US (16/813,298) 2020-03-09

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[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/34 (2006.01) A61K 8/46 (2006.01) A61K 8/73 (2006.01) A61K 8/92 (2006.01) A61Q 19/10 (2006.01) C11D 1/00 (2006.01) C11D 3/20 (2006.01) C11D 3/382 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **SOLID CLEANSING COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE SOLIDE**
[72] COTRELL, PHILLIP LORAINE, US
[72] OVERCASH, DEREK MICHAEL, US
[72] COHEN, MITCHELL JARED, US
[71] INNOSPEC ACTIVE CHEMICALS LLC, US
[85] 2022-09-08
[86] 2021-03-10 (PCT/GB2021/050600)
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[30] US (62/988,033) 2020-03-11

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[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/38 (2006.01) G01R 33/385 (2006.01) G01R 33/46 (2006.01)**
[25] EN
[54] **PHASE ENCODING WITH FREQUENCY SWEEP PULSES FOR MAGNETIC RESONANCE IMAGING IN INHOMOGENEOUS MAGNETIC FIELDS**
[54] **CODAGE DE PHASE PAR BALAYAGE DE FREQUENCE PULSE POUR L'IMAGERIE PAR RESONANCE MAGNETIQUE DANS DES CHAMPS MAGNETIQUES NON HOMOGENES**
[72] GOMES, MULLER, US
[72] NACEV, ALEKSANDAR, US
[71] PROMAXO, INC., US
[85] 2022-09-08
[86] 2021-03-09 (PCT/US2021/021464)
[87] (WO2021/183484)
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[51] **Int.Cl. B01D 21/01 (2006.01)**
[25] EN
[54] **POLYMER FLOCCULANT MIXING AND DISSOLVING SYSTEM**
[54] **SYSTEME DE MELANGE ET DE DISSOLUTION DE FLOCULANT POLYMERE**
[72] SHIBATA, SATOSHI, JP
[72] HATANO, KEIICHI, JP
[72] HIRAMATSU, TATSUO, JP
[72] OGIHARA, TETSUYA, JP
[71] TOMOE ENGINEERING CO., LTD., JP
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[51] **Int.Cl. E01C 19/44 (2006.01) E01C 23/06 (2006.01) E04F 21/24 (2006.01)**
[25] EN
[54] **A HEATED SCREED RAKING DEVICE AND METHOD FOR RAKING ASPHALT ON A PAVING SURFACE**
[54] **DISPOSITIF DE RACLAGE DE CHAPE CHAUFFEE ET PROCEDE DE RACLAGE D'ASPHALTE SUR UNE SURFACE DE PAVAGE**
[72] FROST, STUART ANTHONY, US
[72] FROST, DAVID MICHAEL JR., US
[71] AXENOX, LLC, US
[85] 2022-09-08
[86] 2021-03-19 (PCT/US2021/023311)
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[25] EN
[54] **METHOD AND APPARATUS FOR CALIBRATING PARAMETER OF LASER RADAR**
[54] **PROCEDE ET APPAREIL D'ETALONNAGE DE PARAMETRES DE RADAR A LASER**
[72] HU, XUAN, CN
[72] SHI, XIANLING, CN
[72] HUANG, ZHIZHEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-09-08
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[30] CN (202010170340.4) 2020-03-12

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[25] EN
[54] **ANTIVIRAL APPLICATION OF NUCLEOSIDE ANALOG OR COMBINATION FORMULATION CONTAINING NUCLEOSIDE ANALOG**
[54] **UTILISATION POUR APPLICATION ANTIVIRALE D'UN ANALOGUE NUCLEOSIDIQUE OU D'UNE FORMULATION COMBINEE CONTENANT UN ANALOGUE NUCLEOSIDIQUE**
[72] XIE, YUANCHAO, CN
[72] XIAO, GENGFU, CN
[72] HE, YANG, CN
[72] ZHANG, LEIKE, CN
[72] AISA, HAJI AKBER, CN
[72] JIANG, HUALIANG, CN
[72] SHEN, JINGSHAN, CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[71] WUHAN INSTITUTE OF VIROLOGY, CHINESE ACADEMY OF SCIENCE, CN
[71] XINJIANG TECHNICAL INSTITUTE OF PHYSICS AND CHEMISTRY, CHINESE ACADEMY OF SCIENCES, CN
[71] VIGONVITA LIFE SCIENCES CO., LTD., CN
[85] 2022-09-08
[86] 2021-04-16 (PCT/CN2021/087928)
[87] (WO2021/213288)
[30] CN (202010313870.X) 2020-04-20
[30] CN (202010568329.3) 2020-06-19
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[25] EN
[54] **SELECTABLE MARKER PROTEINS, EXPRESSION VECTORS, FOR THE PRODUCTION OF VIRUS-LIKE PARTICLES FOR THERAPEUTIC AND PROPHYLACTIC APPLICATIONS**
[54] **PROTEINES MARQUEURS SELECTIONNABLES, VECTEURS D'EXPRESSION, CELLULES MODIFIEES ET VESICULES EXTRACELLULAIRES POUR LA PRODUCTION DE PARTICULES DE TYPE VIRAL POUR DES APPLICATIONS THERAPEUTIQUES ET PROPHYLACTIQUE**
[72] GOULD, STEPHEN JOHN, US
[72] MARBAN, LINDA, US
[72] TSAI, SHANG-JUI, US
[72] GUO, CHENXU, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] CAPRICOR, INC., US
[85] 2022-09-08
[86] 2021-03-12 (PCT/US2021/022200)
[87] (WO2021/183946)
[30] US (62/989,525) 2020-03-13
[30] US (62/990,946) 2020-03-17
[30] US (63/000,211) 2020-03-26
[30] US (63/061,766) 2020-08-05
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[30] US (63/110,325) 2020-11-05
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ANTI-CD19/CD22 IMMUNOTHERAPY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER PAR IMMUNOTHERAPIE ANTI-CD19/CD22**
[72] SCHNEIDER, DINA, US
[72] ORENTAS, RIMAS J., US
[72] DROPULIC, BORO, US
[72] HU, PEIRONG, US
[71] LENTIGEN TECHNOLOGY, INC., US
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[25] EN
[54] **VACUUM-ASSISTED ELECTROPORATION DEVICES, AND RELATED SYSTEMS AND METHODS**
[54] **DISPOSITIFS D'ELECTROPORATION ASSISTEE PAR LE VIDE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] FISHER, PAUL, US
[72] KEMME, ANDREA, US
[72] SCHADE, ERIC, US
[72] MCCOY, JAY, US
[72] BRODERICK, KATE, US
[72] GENEROTTI, ALISON A., US
[71] INOVIO PHARMACEUTICALS, INC., US
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[54] **RADIOTHERAPY APPLICATOR SYSTEM**
[54] **SYSTEME APPLICATEUR DE RADIOTHERAPIE**
[72] SUBRAMANIAN, MANNY R., US
[72] NIBHANUPUDY, JAGANNADHA RAO, US
[72] MEHTA, ROHIT V., US
[72] AMIN, RASHMI, US
[71] BEST MEDICAL INTERNATIONAL, INC., US
[85] 2022-09-08
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[25] EN
[54] **PRODUCTS AND METHODS FOR DETECTION OF VIRAL NUCLEIC ACID**
[54] **DOSAGES ET METHODES DE DETECTION D'ACIDES NUCLEIQUES VIRAUX**
[72] GAETA, FEDERICO CARLOS AREJOLA, US
[72] PHILLIPS, WILLIAM, US
[71] SPECTRUM SOLUTIONS L.L.C., US
[85] 2022-09-08
[86] 2021-04-14 (PCT/US2021/027327)
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[25] EN
[54] **PROCESS FOR MAKING A PARTIALLY COATED ELECTRODE ACTIVE MATERIAL**
[54] **PROCEDE DE FABRICATION DE MATERIAU ACTIF D'ELECTRODE PARTIELLEMENT REVETU**
[72] HAN, ZHENJI, JP
[72] WEI, SUHAO, JP
[72] SCHULZ-DOBRICK, MARTIN, DE
[72] FUKUMITSU, HITOSHI, JP
[72] MATSUMOTO, MASATOSHI, JP
[72] NAKAYAMA, JUMPEI, JP
[72] KASHIWAGI, JUNJI, JP
[72] MORITA, DAISUKE, JP
[71] BASF SE, DE
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[25] EN
[54] **TECHNOLOGIES FOR INCONTINENCE UNDERWEAR**
[54] **TECHNOLOGIES POUR SOUS-VETEMENT POUR INCONTINENCE**
[72] SIRIWARDENA, NIRODHA, US
[71] THINX INC., US
[85] 2022-09-08
[86] 2021-03-10 (PCT/US2021/021626)
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[30] US (16/815,961) 2020-03-11

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[25] EN
[54] **FERRITIN VARIANTS WITH INCREASED STABILITY, COMPLEXATION ABILITY AND TRANSFERRIN RECEPTOR AFFINITY**
[54] **VARIANTS DE FERRITINE PRESENTANT UNE STABILITE, UNE APTITUDE A LA COMPLEXATION ET UNE AFFINITE POUR LE RECEPTEUR DE TRANSFERRINE ACCRUES**
[72] ARCOVITO, ALESSANDRO, IT
[72] BONAMORE, ALESSANDRA, IT
[72] BOFFI, ALBERTO, IT
[72] MARSZALEK, ILONA, PL
[72] SKORZYNSKI, MARCIN, PL
[72] RYGIEL, TOMASZ, PL
[72] KROL, MAGDALENA, PL
[71] CELLIS AG, CH
[85] 2022-09-08
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH TSLPR-CD19 OR TSLPR-CD22 IMMUNOTHERAPY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER PAR IMMUNOTHERAPIE TSLPR-CD19 OU TSLPR-CD22**
[72] SCHNEIDER, DINA, US
[72] DROPULIC, BORO, US
[72] FRY, TERRY JAMES, US
[71] LENTIGEN TECHNOLOGY, INC., US
[71] UNIVERSITY OF COLORADO, US
[71] FRY, TERRY JAMES, US
[85] 2022-09-08
[86] 2021-06-22 (PCT/US2021/038491)
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[25] EN
[54] **METHOD FOR PREDICTING CLOGGING OF DISTILLATION COLUMN(S) IN A REFINERY, COMPUTER PROGRAM AND ASSOCIATED PREDICTION SYSTEM**
[54] **PROCEDE DE PREDICTION D'ENGORGEMENT(S) DE COLONNE(S) DE DISTILLATION D'UNE RAFFINERIE, PROGRAMME D'ORDINATEUR ET SYSTEME DE PREDICTION ASSOCIE**
[72] GOURVENEC, SEBASTIEN, FR
[72] CAHORS, REGIS, FR
[71] TOTALENERGIES ONETECH, FR
[85] 2022-09-08
[86] 2021-03-17 (PCT/EP2021/056787)
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF SPONGE IRON**
[54] **PROCEDE DE PRODUCTION D'UNE EPONGE DE FER**
[72] GRONKVIST, STEFAN, SE
[72] ANDERSSON, JOAKIM, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2022-09-08
[86] 2021-03-03 (PCT/SE2021/050187)
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[30] SE (2030072-9) 2020-03-10

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[51] **Int.Cl. H04N 19/513 (2014.01) H04N 19/105 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ENCODING MOTION VECTOR, AND DEVICE AND METHOD FOR DECODING MOTION VECTOR**
[54] **DISPOSITIF ET PROCEDE DE CODAGE DE VECTEUR DE MOUVEMENT, ET DISPOSITIF ET PROCEDE DE DECODAGE DE VECTEUR DE MOUVEMENT**
[72] PARK, MINWOO, KR
[72] PARK, MINSOO, KR
[72] CHOI, KWANGPYO, KR
[72] CHOI, KIHO, KR
[72] PIAO, YINJI, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2022-09-08
[86] 2021-01-27 (PCT/KR2021/001070)
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[30] KR (10-2020-0044297) 2020-04-10
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[51] **Int.Cl. B01D 53/04 (2006.01)**
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[54] **ATMOSPHERIC STEAM DESORPTION FOR DIRECT AIR CAPTURE**
[54] **DESORPTION DE VAPEUR ATMOSPHERIQUE POUR LA CAPTURE DIRECTE D'AIR**
[72] REPOND, NICOLAS, CH
[72] MEGERLE, BENJAMIN, CH
[71] CLIMEWORKS AG, CH
[85] 2022-09-08
[86] 2021-05-25 (PCT/EP2021/063940)
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[51] **Int.Cl. A01G 7/06 (2006.01) A01G 18/50 (2018.01) A01G 18/55 (2018.01) A01G 7/00 (2006.01) A01G 23/10 (2006.01) A01G 29/00 (2006.01)**
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[54] **PELLET INSERTION APPARATUS AND RELATED METHODS**
[54] **APPAREIL D'INSERTION DE PASTILLE ET PROCEDES ASSOCIES**
[72] WISE, JOHN C., US
[72] WISE, ALFRED K., US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2022-09-08
[86] 2021-03-12 (PCT/US2021/022033)
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[51] **Int.Cl. F23C 5/02 (2006.01)**
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[54] **ORNAMENTAL-FLAME BURNER**
[54] **BRULEUR A FLAMME ORNEMENTALE**
[72] O'CONNOR, KEVIN, US
[72] FLAHERTY, TIMOTHY, US
[72] FLAHERTY, VONI, US
[72] SMALL, BRYAN, US
[72] ALLONS, TIMOTHY, US
[71] WARMING TRENDS, LLC, US
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[86] 2021-03-09 (PCT/US2021/021424)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR BINDING SIGLEC-3/CD33**
[54] **MATERIAUX ET PROCEDES DE LIAISON DE SIGLEC-3/CD33**
[72] DOONAN, PATRICK JOHN, US
[72] GANESAN, RAJKUMAR, US
[72] DEREBE, MEHABAW GETAHUN, US
[72] VENKATARAMANI, SATHYADEVI, US
[72] SINGH, SANJAYA, US
[72] GREWAL, IQBAL S., US
[72] WIEHAGEN, KARLA R., US
[71] JANSSEN BIOTECH, INC, US
[85] 2022-09-08
[86] 2021-03-15 (PCT/IB2021/052121)
[87] (WO2021/181366)
[30] US (62/989,071) 2020-03-13
[30] US (62/989,093) 2020-03-13
[30] US (62/989,120) 2020-03-13
[30] US (62/989,187) 2020-03-13
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[51] **Int.Cl. C01G 53/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR DELITHIATING TRANSITION METAL OXIDES**
[54] **PROCEDES DE DELITHIATION D'OXYDES DE METAL DE TRANSITION**
[72] MAYS, WILLIAM C., US
[72] PANCHULA, MARTIN LAWRENCE, US
[72] VON DEAK, DIETER G., US
[72] REICHMAN, BENJAMIN, US
[72] WONG, DIANA F., US
[71] BASF CORPORATION, US
[85] 2022-09-08
[86] 2020-03-09 (PCT/US2020/021643)
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[51] **Int.Cl. F28D 20/02 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **HEAT STORAGE DEVICE**
[54] **DISPOSITIF ACCUMULATEUR THERMIQUE**
[72] KRAFT, WERNER, DE
[72] VETTER, PETER, DE
[72] STAHL, VERONIKA, DE
[71] DEUTSCHES ZENTRUM FUR LUFT- UND RAUMFAHRT E.V., DE
[85] 2022-09-08
[86] 2021-03-10 (PCT/EP2021/054390)
[87] (WO2021/185536)
[30] DE (10 2020 107 464.6) 2020-03-18

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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 48/08 (2009.01) H04W 48/16 (2009.01) H04W 4/029 (2018.01)**
[25] EN
[54] **PASSIVE ASSET TRACKING USING OBSERVATIONS OF WI-FI ACCESS POINTS**
[54] **SUIVI PASSIF DE RESSOURCES A L'AIDE D'OBSERVATIONS DE POINTS D'ACCES WI-FI**
[72] CATALENA, CODY, US
[71] CIPO, CA
[71] TROVERLO, INC., US
[85] 2022-09-08
[86] 2021-03-08 (PCT/US2021/021384)
[87] (WO2021/183445)
[30] US (16/812,471) 2020-03-09

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[51] **Int.Cl. B65F 1/00 (2006.01) B65F 1/04 (2006.01) B65F 1/06 (2006.01) B65F 1/14 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **ULTRAVIOLET LIGHT STERILIZING WASTE CONTAINERS**
[54] **CONTENANTS DE DECHETS A STERILISATION PAR LUMIERE ULTRAVIOLETTE**
[72] DUNN, STEVEN BRYAN, US
[72] BIRKERT, THOMAS EDWARD, US
[72] JOHNSON, KEVIN DOUGLAS, US
[72] LAUDI, MICHAEL JOHN, US
[72] TRUMBO, NICHOLAS ARTHUR, US
[72] CHAN, SUNG YUN, US
[72] LAI, IP HING, CN
[72] MAN, CHEUNG YIK, CN
[72] TAK, HO WING, CN
[72] LOK, LUK KA, CN
[72] HO, CHAN KIM, CN
[72] TEBBE, MARK GERARD, US
[71] MUNCHKIN, INC., US
[85] 2022-09-08
[86] 2021-03-10 (PCT/US2021/021786)
[87] (WO2021/183698)
[30] US (62/987,683) 2020-03-10
[30] US (63/028,212) 2020-05-21
[30] US (63/037,571) 2020-06-10
[30] US (17/198,072) 2021-03-10

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[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/26 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **DEVICE FOR CAPTURING MICROORGANISMS FROM THE ENVIRONMENT**
[54] **DISPOSITIF DE CAPTURE DE MICRO-ORGANISMES DE L'ENVIRONNEMENT**
[72] ANDERSEN, MORTEN OSTERGAARD, DK
[72] ANDERSEN, JULIA MAGDALENA OSTERGAARD, DK
[72] WHITELEY, ANDREW, AU
[72] MOREIRA-GREZ, BENJAMIN, AU
[71] SYDDANSK UNIVERSITET, DK
[71] THE UNIVERSITY OF WESTERN AUSTRALIA, AU
[85] 2022-09-08
[86] 2021-03-12 (PCT/EP2021/056366)
[87] (WO2021/180941)
[30] EP (20163020.9) 2020-03-13

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[51] **Int.Cl. B60P 1/00 (2006.01) B60P 1/43 (2006.01) B60P 1/44 (2006.01) B65D 88/00 (2006.01) B65D 90/00 (2006.01) B65G 67/20 (2006.01) B66F 9/02 (2006.01) B66F 9/075 (2006.01) B66F 9/14 (2006.01)**
[25] EN
[54] **A CARGO UNLOADING SYSTEM AND METHOD OF OPERATION**
[54] **SYSTEME DE DECHARGEMENT DE CARGAISON ET PROCEDE DE FONCTIONNEMENT**
[72] UDY, GRANT ANTONY, NZ
[71] MAXILODA LIMITED, NZ
[85] 2022-09-08
[86] 2021-03-09 (PCT/NZ2021/050038)
[87] (WO2021/182977)
[30] NZ (762460) 2020-03-09

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[13] A1
[51] **Int.Cl. H01L 27/146 (2006.01) H01L 31/08 (2006.01)**
[25] EN
[54] **SHORT RANGE INFRARED IMAGING SYSTEMS**
[54] **SYSTEMES D'IMAGERIE INFAROUGE A COURTE PORTEE**
[72] WALKER, ALEXANDRE W., CA
[72] WALDRON, PHILIP, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-09-08
[86] 2021-03-19 (PCT/IB2021/052335)
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[30] US (63/002,608) 2020-03-31

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[51] **Int.Cl. H05B 3/10 (2006.01) G07C 5/00 (2006.01) H05B 3/20 (2006.01)**
[25] EN
[54] **CORD-SHAPED HEATER AND SHEET-SHAPED HEATER**
[54] **DISPOSITIF DE CHAUFFAGE EN FORME DE CORDON ET DISPOSITIF DE CHAUFFAGE PLAN**
[72] TOMINAGA, KENGO, JP
[72] TATSUGUCHI, NAOYA, JP
[72] TAKEDA, HIROYA, JP
[71] KURABE INDUSTRIAL CO., LTD., JP
[85] 2022-09-08
[86] 2021-02-12 (PCT/JP2021/005248)
[87] (WO2021/186972)
[30] JP (2020-049577) 2020-03-19
[30] JP (2020-119637) 2020-07-13

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[51] **Int.Cl. F22B 37/38 (2006.01) F22B 37/56 (2006.01) F23J 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING OPERATION OF A RECOVERY BOILER TO REDUCE FOULING**
[54] **SYSTEME ET PROCEDE DE COMMANDE DU FONCTIONNEMENT D'UNE CHAUDIERE DE RECUPERATION AFIN DE REDUIRE L'ENCRASSEMENT**
[72] JONES, ANDREW KEVIN, US
[71] INTERNATIONAL PAPER COMPANY, US
[85] 2022-09-08
[86] 2021-04-30 (PCT/US2021/030093)
[87] (WO2021/222707)
[30] US (16/864,553) 2020-05-01

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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **TRANSCRIPTION REGULATING NUCLEOTIDE SEQUENCES AND METHODS OF USE**
[54] **SEQUENCES NUCLEOTIDIQUES REGULANT LA TRANSCRIPTION ET PROCEDES D'UTILISATION**
[72] ZHANG, SHIRONG, US
[72] SAUER, MARIE-LAURE, US
[72] DING, LEI, US
[72] SRIRANGAN, SOUNDARYA, US
[72] EBERLE, TIMOTHY, US
[72] SAILSBERY, JOSHUA KENT, US
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2022-09-08
[86] 2021-03-11 (PCT/US2021/021967)
[87] (WO2021/183803)
[30] US (62/988,238) 2020-03-11
[30] US (63/116,376) 2020-11-20

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[51] **Int.Cl. A61K 31/192 (2006.01) A61K 45/06 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **SORTILIN ANTAGONISTS FOR USE IN THE TREATMENT OF DIABETIC RETINOPATHY**
[54] **ANTAGONISTES DE LA SORTILINE POUR DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA RETINOPATHIE DIABETIQUE**
[72] KJOLBY, MADS FUGLSANG, DK
[72] NYKJAER, ANDERS, DK
[72] LITTLE, PAUL, DK
[72] JURGEIT, ANDREAS, DK
[71] INSUSENSE APS, DK
[85] 2022-09-08
[86] 2021-03-19 (PCT/EP2021/057126)
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[30] EP (20164345.9) 2020-03-19

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[51] **Int.Cl. C09D 11/50 (2014.01) C09D 11/101 (2014.01) B29C 64/106 (2017.01)**
[25] EN
[54] **OPTICALLY TRANSPARENT 3D PRINTED POLYSILOXANE SCINTILLATORS**
[54] **SCINTILLATEURS DE POLYSILOXANE IMPRIMES 3D OPTIQUEMENT TRANSPARENTS**
[72] BRODSKY, JASON, US
[72] LEE, ELAINE, US
[72] LENHARDT, JEREMY, US
[72] PORCINCULA, DOMINIQUE HENRY, US
[72] ZHANG, XIANYI, US
[72] MABE, ANDREW NEIL (DECEASED), XX
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2022-09-08
[86] 2021-04-16 (PCT/US2021/027662)
[87] (WO2021/211954)
[30] US (63/011,788) 2020-04-17
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[51] **Int.Cl. G06F 16/957 (2019.01) G06F 16/35 (2019.01)**
[25] EN
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[54] **CLASSIFICATION D'INTERFACES EN TEMPS REEL DANS UNE APPLICATION**
[72] CURIC, VLADIMIR, SE
[72] BARRETT, JAMES W., SE
[72] MELENTYEV, ANDREY, SE
[72] JU, MELODY, SE
[71] KLARNA BANK AB, SE
[85] 2022-09-08
[86] 2021-03-08 (PCT/IB2021/051913)
[87] (WO2021/181245)
[30] US (16/813,531) 2020-03-09
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[51] **Int.Cl. G01N 33/48 (2006.01) G16H 50/30 (2018.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR DETECTING OF OUTCOME/RISK OF THE PATIENTS WITH A RESPIRATORY ILLNESS**
[54] **BIOMARQUEURS DESTINES A LA DETECTION DU RISQUE A TERME DE PATIENTS ATTEINTS D'UNE MALADIE RESPIRATOIRE**
[72] SAGE, ANDREW, CA
[72] VALERO, JEROME, CA
[72] DEL SORBO, LORENZO, CA
[72] CYPEL, MARCELO, CA
[72] WANG, BO, CA
[72] KESHAVJEE, SHAFIQUE, CA
[71] UNIVERSITY HEALTH NETWORK (UHN), CA
[85] 2022-09-08
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[51] **Int.Cl. A01K 61/10 (2017.01) C12Q 1/6809 (2018.01)**
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[54] **SEAWATER READINESS MARKERS IN SALMONID FISH**
[54] **MARQUEURS D'APTITUDE AU TRANSFERT EN EAU DE MER CHEZ DES SALMONIDES**
[72] HAZLERIGG, DAVID, NO
[71] UNIVERSITETET I TROMSO - NORGES ARKTISKE UNIVERSITET, NO
[85] 2022-09-08
[86] 2021-03-12 (PCT/NO2021/050064)
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[30] EP (20162777.5) 2020-03-12

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01)**
[25] EN
[54] **TARGETED DELIVERY OF EXTRACELLULAR VESICLES**
[54] **ADMINISTRATION CIBLEE DE VESICULES EXTRACELLULAIRES**
[72] VERMA, AJAY, US
[72] ZHANG, WEI, US
[72] XU, KE, US
[72] PATEL, SHAILENDRA, US
[71] CODIAK BIOSCIENCES, INC., US
[85] 2022-09-08
[86] 2021-03-15 (PCT/US2021/022435)
[87] (WO2021/184022)
[30] US (62/989,524) 2020-03-13
[30] US (62/989,535) 2020-03-13
[30] US (63/035,393) 2020-06-05
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[30] US (63/154,562) 2021-02-26
[30] US (63/154,563) 2021-02-26

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[25] EN
[54] **DEVICE AND METHOD THE PRODUCTION AND SECONDARY MACHINING OF LAYERS APPLIED BY LASER CLADDING**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION ET D'USINAGE SECONDAIRE DE COUCHES APPLIQUEES PAR REVETEMENT AU LASER**
[72] UTSCH, PHILLIP, DE
[72] DOBRZANSKI, DOMINIK, DE
[71] HPL TECHNOLOGIES GMBH, DE
[85] 2022-09-08
[86] 2020-09-09 (PCT/DE2020/100787)
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[25] EN
[54] **METHOD AND APPARATUS FOR 3D-MICRO-PATTERNING**
[54] **DISPOSITIF ET APPAREIL POUR LA FORMATION DE MICRO-MOTIFS 3D**
[72] SAKA, NANNAJI, US
[72] BLAESI, ARON H., US
[71] BLAESI, ARON H., US
[85] 2022-09-08
[86] 2021-03-17 (PCT/US2021/022860)
[87] (WO2021/188745)
[30] US (62/991,052) 2020-03-17
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[51] **Int.Cl. A61K 9/70 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **EXPANDABLE, MULTI-EXCIPIENT STRUCTURED DOSAGE FORM FOR PROLONGED DRUG RELEASE**
[54] **FORME POSOLOGIQUE STRUCTUREE A MULTI-EXCIPIENT EXPANSIBLE POUR LIBERATION PROLONGEE DE MEDICAMENT**
[72] SAKA, NANNAJI, US
[72] BLAESI, ARON H., US
[71] BLAESI, ARON H., US
[85] 2022-09-08
[86] 2021-03-17 (PCT/US2021/022857)
[87] (WO2021/188742)
[30] US (62/991,052) 2020-03-17
[30] US (63/158,870) 2021-03-09
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[51] **Int.Cl. C11D 9/22 (2006.01) C11D 13/18 (2006.01)**
[25] EN
[54] **A SOAP BAR WITH HIGH WATER CONTENT**
[54] **PAIN DE SAVON A HAUTE TENEUR EN EAU**
[72] ALVES DE MATTOS, RODRIGO, BR
[72] BORTOLAI, GISLENE SPLENDORE, BR
[72] FERNANDES, NIKHIL J., US
[72] LEAL, LYNDSAY M., US
[72] HAGEMANN, UWE, BR
[72] LEOPOLDINO, SERGIO ROBERTO, BR
[72] YAROVOY, YURIY KONSTANTINOVICH, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-09-09
[86] 2021-02-23 (PCT/EP2021/054396)
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[25] EN
[54] **GLP-1 RECEPTOR AGONIST, PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND METHOD FOR PREPARING SAME**
[54] **AGONISTE DU RECEPTEUR GLP-1, COMPOSITION PHARMACEUTIQUE LE COMPRENANT ET SON PROCEDE DE PREPARATION**
[72] KIM, YOUNG KWAN, KR
[72] JO, MIN MI, KR
[72] PARK, JUN, KR
[71] LG CHEM, LTD., KR
[85] 2022-09-09
[86] 2021-03-17 (PCT/KR2021/003287)
[87] (WO2021/187886)
[30] KR (10-2020-0033477) 2020-03-18
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[25] FR
[54] **IONIC PLASTIC CRYSTALS, COMPOSITIONS COMPRISING SAME, METHODS FOR MANUFACTURING SAME AND USES THEREOF**
[54] **CRISTAUX PLASTIQUES IONIQUES, COMPOSITIONS LES COMPRENANT, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] BARRAY, FRANCIS, CA
[72] GUERFI, ABDELBAST, CA
[72] FLEUTOT, BENOIT, CA
[72] GARITTE, EMMANUELLE, CA
[72] KRACHKOVSKIY, SERGEY, CA
[72] KOH, KI SEOK, CA
[71] HYDRO-QUEBEC, CA
[85] 2022-09-09
[86] 2022-02-04 (PCT/CA2022/050159)
[87] (WO2022/165598)
[30] US (63/146,356) 2021-02-05
[30] US (63/260,710) 2021-08-30

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01)**
[25] EN
[54] **FAP-TARGETED RADIOPHARMACEUTICALS AND IMAGING AGENTS, AND USES RELATED THERETO**
[54] **AGENTS D'IMAGERIE ET PRODUITS RADIOPHARMACEUTIQUES CIBLANT LA FAP, ET UTILISATIONS ASSOCIEES**
[72] BACHOVCHIN, WILLIAM W., US
[72] LAI, HUNG-SEN, US
[72] WU, WENGEN, US
[71] TRUSTEES OF TUFTS COLLEGE, US
[85] 2022-09-09
[86] 2021-03-24 (PCT/US2021/023862)
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[30] US (62/993,874) 2020-03-24

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[13] A1
[51] **Int.Cl. E04B 1/61 (2006.01) E04C 2/52 (2006.01) H02G 3/38 (2006.01)**
[25] EN
[54] **MODULAR WALL SECTIONS WITH ELECTRICAL, PLUMBING AND STRUCTURAL GROUND CONNECTORS**
[54] **SECTIONS DE PAROI MODULAIRES AVEC CONNECTEURS ELECTRIQUES, DE PLOMBERIE ET DE MISE A LA TERRE STRUCTURELLE**
[72] MAY, JOSHUA, US
[71] MAY, JOSHUA, US
[85] 2022-09-09
[86] 2022-01-23 (PCT/US2022/013435)
[87] (WO2022/169618)
[30] US (17/168,890) 2021-02-05
[30] US (PCT/US2021/026490) 2021-04-08
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[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/04 (2012.01)**
[25] EN
[54] **PAYMENT GATEWAY SECURITY MANAGEMENT**
[54] **GESTION DE SECURITE DE PASSERELLE DE PAIEMENT**
[72] LEPAGE, DEBRALEE, CA
[72] LEPAGE, JOE, CA
[72] VEGA, JESUS, US
[71] XPRESS PROCESSING, LLC, US
[85] 2022-09-21
[86] 2021-06-09 (PCT/US2021/036616)
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[30] US (63/040,903) 2020-06-18

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[51] **Int.Cl. G05B 19/418 (2006.01) G06Q 50/02 (2012.01)**
[25] EN
[54] **ORE FLOW OPTIMIZATION**
[54] **OPTIMISATION DE DEBIT DE MINERAI**
[72] MISHCHENKO, KATERYNA, SE
[72] GARCIA-GABIN, WINSTON, SE
[72] FEYZMAHDAVIAN, HAMID, SE
[71] ABB SCHWEIZ AG, CH
[85] 2022-09-21
[86] 2021-03-31 (PCT/EP2021/058397)
[87] (WO2021/198318)
[30] EP (20167628.5) 2020-04-01

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[13] A1
[51] **Int.Cl. C10K 3/00 (2006.01) C10G 2/00 (2006.01) C10K 1/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING SYNTHETIC FUEL**
[54] **PROCEDE POUR LA PRODUCTION DE COMBUSTIBLE SYNTHETIQUE**
[72] GREAGER, IVAN PHILIP, US
[72] HARRIS, ROGER ALLEN, US
[72] KING, NEIL ALEXANDER, GB
[72] DESHMUKH, SOUMITRA R., US
[72] QIU, ZHEYAN, US
[71] VELOCYS TECHNOLOGIES LIMITED, GB
[85] 2022-09-21
[86] 2021-04-01 (PCT/EP2021/058754)
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[51] **Int.Cl. E21B 43/12 (2006.01) F04B 17/03 (2006.01) F04D 13/06 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **SHEAR PIN AND DRIVE SHAFT SPRING BRAKE IN ELECTRICAL SUBMERSIBLE PUMP**
[54] **GOUPILLE DE CISAILLEMENT ET FREIN A RESSORT D'ARBRE D'ENTRAINEMENT DANS UNE POMPE SUBMERSIBLE ELECTRIQUE**
[72] PERISHO, RANDAL, US
[72] YE, ZHENG, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-09-21
[86] 2021-04-19 (PCT/US2021/027955)
[87] (WO2021/212105)
[30] US (63/011,525) 2020-04-17
[30] US (17/233,207) 2021-04-16

[21] **3,172,810**
[13] A1
[51] **Int.Cl. H05B 47/185 (2020.01) H05B 45/20 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING HIGH POWER FACTOR WIRED LAMP CONTROL**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UNE COMMANDE DE LAMPE CABLEE A FACTEUR D'ALIMENTATION ELEVE**
[72] TAKACS, LASZLO A., US
[72] TOMASOVICS, ATTILA, US
[72] FLIES, GREG, US
[72] NICOLAY, DAVID, US
[72] DAVENPORT, JOHN, US
[72] LIANG, ZHANG, CN
[72] SEIFERT, JAY, US
[71] ENERGY FOCUS, INC., US
[85] 2022-09-22
[86] 2021-04-07 (PCT/US2021/026139)
[87] (WO2021/207333)
[30] US (63/006,814) 2020-04-08
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[13] A1
[51] **Int.Cl. C10B 43/06 (2006.01) B08B 9/053 (2006.01) F16L 55/46 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DECOKING A COKER FURNACE DURING A DELAYED COKING PROCESS**
[54] **SYSTEMES ET PROCEDES DE DECOKEFACTION D'UN FOUR DE COKEFACTION PENDANT UN PROCESSUS DE COKEFACTION RETARDEE**
[72] VALLAVANATT, RIMON, US
[71] BECHTEL ENERGY TECHNOLOGIES & SOLUTIONS, INC., US
[85] 2022-09-22
[86] 2020-04-16 (PCT/US2020/028523)
[87] (WO2021/211126)

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 5/10 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTIBODY DRUG CONJUGATE**
[54] **CONJUGUE ANTICORPS-MEDICAMENT**
[72] MATSUMURA, YASUHIRO, JP
[72] TSUMURA, RYO, JP
[71] NATIONAL CANCER CENTER, JP
[71] RIN INSTITUTE INC., JP
[85] 2022-09-26
[86] 2021-03-16 (PCT/JP2021/010689)
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[30] JP (2020-060968) 2020-03-30

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[51] **Int.Cl. A01N 55/02 (2006.01) A61K 31/555 (2006.01) C07F 11/00 (2006.01)**
[25] FR
[54] **MOLYBDENUM-BASED FEED SUPPLEMENT FOR BEES**
[54] **COMPLEMENT ALIMENTAIRE A BASE DE MOLYBDENE POUR LES ABEILLES**
[72] FUIOR, ARCADIE, FR
[72] FLOQUET, SEBASTIEN, FR
[72] CEBOTARI, VALENTINA, MD
[72] CEBOTARI, DIANA, FR
[72] GULEA, AURELIAN, MD
[72] TODERAS, ION, MD
[71] UNIVERSITE DE VERSAILLES - SAINT-QUENTIN-EN-YVELINES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUTUL DE ZOOLOGIE, MD
[71] UNIVERSITATEA DE STAT DIN MOLDOVA, MD
[85] 2022-09-26
[86] 2021-07-19 (PCT/EP2021/070097)
[87] (WO2022/018009)
[30] FR (FR2007784) 2020-07-23

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[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **CRYPTOSYSTEM, SYSTEMS, METHODS AND APPLICATIONS FOR ZERO-KNOWLEDGE ANONYMOUSLY-INDIVIDUALIZED MARKETING AND LOYALTY MANAGEMENT BASED ON END-TO-END ENCRYPTED TRANSFER OF STATEMENTS LIKE RECEIPTS OR SCRIPT**
[54] **SYSTEME CRYPTOGRAPHIQUE, SYSTEMES, PROCEDES ET APPLICATIONS POUR UNE COMMERCIALISATION ET UNE GESTION DE FIDELITE INDIVIDUALISEES ET ANONYMISEES A CONNAISSANCE NULLE SUR LA BASE D'UN TRANSFERT CHIFFRE DE BOUT EN BOUT D'INSTRUCTIONS COMME DES RECUS OU DES SCRIPT**
[72] SADLER, HAMISH, AU
[71] SECURE WALLET TECHNOLOGY PTY LTD, AU
[85] 2022-09-27
[86] 2020-02-29 (PCT/AU2020/050189)
[87] (WO2021/168497)

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD OF SCREENING FOR A CHRONIC KIDNEY DISEASE OR GLOMERULOPATHY, METHOD OF MONITORING A RESPONSE TO TREATMENT OF A CHRONIC KIDNEY DISEASE OR GLOMERULOPATHY IN A SUBJECT AND A METHOD OF TREATMENT OF A CHRONIC KIDNEY DISEASE OR GLOMERULOPATH**
[54] **PROCEDE DE DEPISTAGE D'UNE MALADIE RENALE CHRONIQUE OU D'UNE GLOMERULOPATHIE, PROCEDE DE SURVEILLANCE D'UNE REPONSE AU TRAITEMENT CONTRE UNE MALADIE RENALE CHRONIQUE OU UNE GLOMERULOPATHIE CHEZ UN SUJET ET METHODE DE TRAITEMENT D'UNE MALADIE RENALE CHRONIQUE OU D'UNE GLOMERULOPATHI**
[72] MUCHA, KRZYSZTOF, PL
[72] ZAGOZDZON, RADOSLAW, PL
[72] FORONCEWICZ, BARTOSZ, PL
[72] PACZEK, LESZEK, PL
[72] MOSZCZUK, BARBARA, PL
[72] KRATA, NATALIA, PL
[72] CYSEWSKI, DOMINIK, PL
[72] DOMANSKI, DOMINIK, PL
[72] DADLEZ, MICHAL, PL
[72] BURDUKIEWICZ, MICHAL, PL
[71] WARSZAWSKI UNIWERSYTET MEDYCZNY, PL
[71] INSTYTUT BIOCHEMII I BIOFIZYKI PAN, PL
[85] 2022-09-27
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[87] (WO2021/152370)
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[51] **Int.Cl. C01B 32/00 (2017.01) C01B 32/05 (2017.01) B01J 19/12 (2006.01) C01B 3/02 (2006.01) C01B 3/24 (2006.01)**
[25] EN
[54] **METHODS FOR PREPARING HYDROGEN AND SOLID CARBON FROM A GASEOUS HYDROCARBON SOURCE USING MICROWAVES AND/OR RADIO WAVES**
[54] **METHODES DE PREPARATION D'HYDROGENE ET DE CARBONE SOLIDE D'UNE SOURCE D'HYDROCARBURES GAZEUX AU MOYEN DE MICRO-ONDES ET/OU D'ONDES RADIOELECTRIQUES**
[72] THOMSON, MURRAY, CA
[72] BOBICKI, ERIN, CA
[71] AURORA HYDROGEN INC., CA
[85] 2022-09-28
[86] 2022-05-06 (PCT/CA2022/050710)
[87] (3173801)
[30] SE (21505763) 2021-05-06

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[13] A1
[51] **Int.Cl. C12Q 1/28 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) G01N 27/327 (2006.01) G01N 33/483 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **NANOZYMES WITH RADICAL-SCAVENGING CAPPING AGENTS AND METHODS OF DETECTION THEREWITH**
[54] **NANOZYMES AVEC AGENTS DE COIFFAGE DE PIEGEAGE DE RADICAUX ET LEURS PROCEDES DE DETECTION**
[72] ORTEGA RODRIGUEZ, GRETER AMELIA, CA
[72] TUTEJA, SATISH KUMAR, CA
[72] AHMED, SYED RAHIN, CA
[72] SRINIVASAN, SESHASAI, CA
[72] RAJABZADEH, AMIN REZA, CA
[71] EYE3CONCEPTS INC., CA
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[86] 2021-04-15 (PCT/CA2021/050506)
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[30] US (63/010,471) 2020-04-15

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/46 (2006.01) A61P 11/00 (2006.01) A61P 25/20 (2006.01) A61P 25/22 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **SOLID PHARMACEUTICAL PREPARATION, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **PREPARATION PHARMACEUTIQUE SOLIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] JIANG, TAOTAO, CN
[72] WANG, JIBIAO, CN
[72] YANG, HAN, CN
[72] LI, LI, CN
[72] DAN, ZHAOLING, CN
[72] ZHU, KEYI, CN
[72] ZENG, ZHENYA, CN
[72] SU, BO, CN
[72] CHEN, XI, CN
[71] SHANGHAI HAIYAN PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[71] YANGTZE RIVER PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2022-09-30
[86] 2021-04-14 (PCT/CN2021/087262)
[87] (WO2021/208976)
[30] CN (202010304917.6) 2020-04-17
[30] CN (202011594757.X) 2020-12-29

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[25] EN
[54] **COMPOUNDS AND METHODS FOR YAP/TEAD MODULATION AND INDICATIONS THEREFOR**
[54] **COMPOSES ET METHODES POUR LA MODULATION YAP/TEAD ET INDICATIONS CONNEXES**
[72] ALBERS, AARON, US
[72] GUO, ZUOJUN, CH
[72] LY, CUONG, CH
[72] SPEVAK, WAYNE, CH
[72] VANDER WAL, MARK, CH
[72] ZHANG, DONGYU, CH
[72] ZHANG, JIAZHONG, CH
[72] ZHANG, YING, CH
[71] OPNA IMMUNO-ONCOLOGY SA, CH
[85] 2022-09-28
[86] 2022-05-11 (PCT/US2022/028736)
[87] (3177022)
[30] US (63/187,226) 2021-05-11

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[13] A1
[25] EN
[54] **ULTRA-COMPACT HIGH POWER FIBER PUMP MODULE**
[54] **MODULE DE POMPE A FIBRE HAUTE PUISSANCE TRES COMPACT**
[72] HANS-GEORG, TREUSCH, US
[71] LEONARDO ELECTRONICS US INC., US
[85] 2022-09-29
[86] 2022-04-12 (PCT/US2022/024486)
[87] (3177350)
[30] US (63/173,971) 2021-04-12
[30] US (17/719,210) 2022-04-12

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[13] A1
[51] **Int.Cl. G07C 9/30 (2020.01) G06Q 20/06 (2012.01) G06F 21/10 (2013.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01) G06Q 20/20 (2012.01) G06Q 20/36 (2012.01)**
[25] EN
[54] **TOKEN-FACILITATED TICKETING, TOKEN-FACILITATED PRE-SALE CAMPAIGNS, AND DIGITAL RIGHTS MANAGEMENT FOR DIGITAL TOKENS**
[54] **BILLETTERIE FACILITEE PAR JETON, CAMPAGNES DE PREVENTE FACILITEES PAR JETON ET GESTION DES DROITS NUMERIQUES POUR JETONS NUMERIQUES**
[72] QUIGLEY, WILLIAM EDWARD, US
[72] SLIWKA, LUKASZ JAKUB, US
[72] YANTIS, JONATHAN, US
[72] SELDON, JASON, US
[72] CELLA, CHARLES, US
[72] EL-TAHRY, TEYMOUR, US
[72] BLIVEN, BRENT, US
[71] QUIGLEY, WILLIAM EDWARD, US
[71] SLIWKA, LUKASZ JAKUB, US
[71] YANTIS, JONATHAN, US
[71] SELDON, JASON, US
[71] CELLA, CHARLES, US
[71] EL-TAHRY, TEYMOUR, US
[71] BLIVEN, BRENT, US
[85] 2022-09-28
[86] 2022-03-24 (PCT/US2022/021745)
[87] (3177552)
[30] US (63/166,592) 2021-03-26
[30] US (63/177,665) 2021-04-21
[30] US (63/270,893) 2021-10-22
[30] US (63/318,495) 2022-03-10

[21] **3,177,585**
[13] A1
[25] EN
[54] **SYSTEMS, METHODS, KITS, AND APPARATUSES FOR DIGITAL PRODUCT NETWORK SYSTEMS AND BIOLOGY-BASED VALUE CHAIN NETWORKS**
[54] **SYSTEMES, METHODES, TROUSSES ET APPAREILS POUR DES SYSTEMES DE RESEAU DE PRODUITS NUMERIQUES ET RESEAUX DE CHAINE DE VALEUR FONDES SUR LA BIOLOGIE**
[72] CELLA, CHARLES HOWARD, US
[72] CARDNO, ANDREW, US
[72] PARENTI, JENNA, US
[72] LOCKE, ANDREW S., US
[72] KELL, BRAD, US
[72] EL-TAHRY, TEYMOUR S., US
[72] GOODMAN, BENJAMIN D., US
[72] FORTIN, LEON, JR., US
[72] BUNIN, ANDREW, US
[72] SHARMA, KUNAL, US
[72] CHARON, TAYLOR, US
[72] MALCHEV, HRISTO, US
[71] STRONG FORCE VCN PORTFOLIO 2019, LLC, US
[85] 2022-09-28
[86] 2022-04-15 (PCT/US2022/025103)
[87] (3177585)
[30] US (63/176,198) 2021-04-16
[30] US (63/282,507) 2021-11-23
[30] US (63/299,710) 2022-01-14
[30] US (63/302,013) 2022-01-21
[30] IN (202211008709) 2022-02-18

[21] **3,177,620**
[13] A1
[25] EN
[54] **QUANTUM, BIOLOGICAL, COMPUTER VISION, AND NEURAL NETWORK SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS**
[54] **VISION QUANTIQUE, BIOLOGIQUE ET INFORMATIQUE, ET RESEAUX NEURONAUX POUR L'INTERNET DES OBJETS INDUSTRIEL**
[72] CELLA, CHARLES H., US
[72] DUFFY, GERALD WILLIAM, JR., US
[72] MCGUCKIN, JEFFREY P., US
[72] CARDNO, ANDREW, US
[72] MARINKOVICH, SAVA, US
[72] BLIVEN, BRENT, US
[72] DOBROWITSKY, JOSHUA, US
[72] SHARMA, KUNAL, US
[72] KELL, BRAD, US
[71] STRONG FORCE IOT PORTFOLIO 2016, LLC, US
[85] 2022-09-28
[86] 2022-05-06 (PCT/US2022/028083)
[87] (3177620)
[30] US (63/185,347) 2021-05-06
[30] US (63/187,313) 2021-05-11
[30] IN (202111036186) 2021-08-10
[30] US (63/282,493) 2021-11-23
[30] US (63/291,304) 2021-12-17
[30] US (63/299,692) 2022-01-14
[30] US (63/302,012) 2022-01-21
[30] US (63/331,770) 2022-04-15

[21] **3,177,645**
[13] A1
[51] **Int.Cl. G06F 16/2458 (2019.01) G06Q 50/04 (2012.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) G06F 16/27 (2019.01) G06N 10/60 (2022.01) H04L 67/51 (2022.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01) G01M 13/00 (2019.01) G08B 13/196 (2006.01) H04L 67/568 (2022.01)**
[25] EN
[54] **SYSTEMS, METHODS, KITS, AND APPARATUSES FOR EDGE-DISTRIBUTED STORAGE AND QUERYING IN VALUE CHAIN NETWORKS**
[54] **SYSTEMES, METHODES, TROUSSES ET APPAREILS POUR LE STOCKAGE DISTRIBUE EN PERIPHERIE ET RECHERCHE DANS LES RESEAUX DE LA CHAINE DE VALEUR**
[72] CELLA, CHARLES HOWARD, US
[72] CARDNO, ANDREW, US
[72] PARENTI, JENNA, US
[72] LOCKE, ANDREW S., US
[72] KELL, BRAD, US
[72] EL-TAHRY, TEYMOUR S., US
[72] GOODMAN, BENJAMIN D., US
[72] FORTIN, LEON, JR., US
[72] BUNIN, ANDREW, US
[72] SHARMA, KUNAL, US
[72] CHARON, TAYLOR, US
[72] MALCHEV, HRISTO, US
[71] STRONG FORCE VCN PORTFOLIO 2019, LLC, US
[85] 2022-09-28
[86] 2022-05-10 (PCT/US2022/028633)
[87] (3177645)
[30] US (63/187,325) 2021-05-11
[30] US (63/282,507) 2021-11-23
[30] US (63/299,710) 2022-01-14
[30] US (63/302,013) 2022-01-21
[30] IN (202211008709) 2022-02-18

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[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **MOISTURE DETECTION IN GASES CONVEYING MEDICAL CONDUITS**
[54] **DETECTION D'HUMIDITE DANS DES CONDUITS MEDICAUX TRANSPORTANT DES GAZ**
[72] SEEKUP, PETER ALAN, NZ
[72] GEMMELL, LUKE MORGAN, NZ
[72] YOUNG, ALEX, NZ
[72] STOKS, ELMO BENSON, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2022-09-28
[86] 2021-05-14 (PCT/IB2021/020027)
[87] (WO2021/229307)
[30] US (63/025,878) 2020-05-15

[21] **3,177,851**
[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **DUAL ANTAGONIST OF PGD2/DPR2 AND THROMBOXANE A2/TPR RECEPTORS AND USE FOR TREATMENT OF MALAPTIVE IMMUNE RESPONSE OR THROMBOTIC DIATHESIS**
[54] **ANTAGONISTE DOUBLE DES RECEPTEURS PGD2/DPR2 ET THROMBOXANE A2/TPR ET SON UTILISATION POUR LE TRAITEMENT D'UNE REPONSE IMMUNITAIRE INADAPTEE OU D'UNE DIATHESE THROMBOTIQUE**
[72] GUPTA, AJAY, US
[72] CHIANG, KATE CHANDER, US
[71] APPLIED MEDICAL TECHNOLOGIES LLC, US
[85] 2022-09-28
[86] 2021-03-31 (PCT/IB2021/052693)
[87] (WO2021/198949)
[30] US (63/003,286) 2020-03-31
[30] US (63/005,205) 2020-04-03
[30] US (63/027,751) 2020-05-20
[30] US (63/092,921) 2020-10-16

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[13] A1
[51] **Int.Cl. A61K 31/4725 (2006.01) A61K 31/519 (2006.01) A61P 31/14 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CORONAVIRUS DISEASE 2019**
[54] **PROCEDES DE TRAITEMENT DE LA MALADIE A CORONAVIRUS 2019**
[72] CORBO, MICHAEL, US
[72] DANTO, SPENCER IAN, US
[72] KONCZ, TAMAS, US
[72] PEEVA, ELENA, US
[72] VALDEZ, HERNAN, US
[72] VINCENT, MICHAEL STEVEN, US
[72] WILLIAMS, CARA MARGARET MAY, US
[71] PFIZER INC., US
[85] 2022-09-28
[86] 2021-04-01 (PCT/IB2021/052749)
[87] (WO2021/198980)
[30] US (63/005,303) 2020-04-04
[30] US (63/018,828) 2020-05-01
[30] US (63/162,600) 2021-03-18
[30] US (63/164,616) 2021-03-23

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[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H04B 7/08 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TCI STATE ACTIVATION AND CODEPOINT TO TCI STATE MAPPING**
[54] **SYSTEMES ET PROCEDES D'ACTIVATION D'ETATS TCI ET DE MISE EN CORRESPONDANCE ENTRE POINT DE CODE ET ETAT TCI**
[72] MURUGANATHAN, SIVA, CA
[72] MAATTANEN, HELKA-LIINA, FI
[72] GAO, SHIWEI, CA
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-09-28
[86] 2021-04-09 (PCT/IB2021/052979)
[87] (WO2021/205409)
[30] US (63/007,746) 2020-04-09

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/372 (2006.01) A61N 1/39 (2006.01)**
[25] EN
[54] **IMPLANTABLE ELECTRICAL LEADS AND ASSOCIATED DELIVERY SYSTEMS**
[54] **FILS ELECTRIQUES IMPLANTABLES ET SYSTEMES DE MISE EN PLACE ASSOCIES**
[72] SANGHERA, RICK, US
[72] CADAVONA, BRENT, US
[72] ROLLINS, MATTHEW, US
[72] SEARFOSS, TIM, US
[72] WALGUARNERY, BRIAN, US
[72] GELINEAU, MICHEL, US
[71] ATACOR MEDICAL, INC., US
[85] 2022-09-28
[86] 2021-07-07 (PCT/IB2021/056065)
[87] (WO2022/009100)
[30] US (63/049,561) 2020-07-08
[30] US (17/106,152) 2020-11-29

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[13] A1
[51] **Int.Cl. B42D 25/30 (2014.01) G07D 7/202 (2016.01) G07D 7/207 (2016.01) G01N 23/00 (2006.01) G07D 7/06 (2006.01)**
[25] EN
[54] **A METHOD AND A SYSTEM FOR XRF MARKING AND READING XRF MARKS OF ELECTRONIC SYSTEMS**
[54] **PROCEDE ET SYSTEME DE MARQUAGE XRF ET DE LECTURE DE MARQUES XRF DE SYSTEMES ELECTRONIQUES**
[72] TAL, NATALY, IL
[72] KAPLINSKY, MOR, IL
[72] NAHUM, TEHILA, IL
[72] SADE, HAGIT, IL
[72] GASPAR, DANA, IL
[72] DAFNI, RON, IL
[72] NACHMIAS, CHEN, IL
[72] FIRSTENBERG, MICHAL, IL
[72] TRACHTMAN, AVITAL, IL
[72] ALON, HAGGAI, IL
[72] YORAN, NADAV, IL
[72] KISLEV, TZEMAH, IL
[71] SECURITY MATTERS LTD., IL
[85] 2022-09-28
[86] 2021-03-24 (PCT/IL2021/050324)
[87] (WO2021/199025)
[30] US (16/834,732) 2020-03-30

[21] **3,177,859**
[13] A1
[25] EN
[54] **COMPUTER SYSTEM, METHOD, AND PROGRAM FOR IMPROVING RELATIONS WITH INDIVIDUAL PARTIES IN TWO-PARTY COMMUNICATION**
[54] **SYSTEME INFORMATIQUE, PROCEDE ET PROGRAMME POUR AMELIORER LES RELATIONS AVEC DES PARTIES INDIVIDUELLES DANS UNE COMMUNICATION A DEUX ABONNES**
[72] HONDA, HIDETAKA, JP
[72] MINAGAWA, EMI, JP
[72] KOYASU, AKIRA, JP
[72] KONISHI, SHOTA, JP
[72] WANG, BEIYI, JP
[72] TACHINO, NATSUKI, JP
[71] KAKEAI, INC., JP
[85] 2022-09-28
[86] 2021-04-02 (PCT/JP2021/014359)
[87] (WO2021/201285)
[30] JP (2020-067674) 2020-04-03

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[13] A1
[51] **Int.Cl. D01F 8/14 (2006.01) D03D 15/47 (2021.01) D02G 3/04 (2006.01) D06M 15/263 (2006.01) D06M 15/277 (2006.01) D06M 15/643 (2006.01)**
[25] EN
[54] **WATER-REPELLING FABRIC, AND TEXTILE PRODUCT**
[54] **TISSU HYDROFUGE, ET PRODUIT TEXTILE**
[72] UKUMA, AKIO, JP
[72] NAGAE, TAKUYA, JP
[71] TEIJIN FRONTIER CO., LTD., JP
[85] 2022-09-28
[86] 2021-04-14 (PCT/JP2021/015409)
[87] (WO2021/215319)
[30] JP (2020-075193) 2020-04-21

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01) G05D 1/02 (2020.01) G08G 1/00 (2006.01) G08G 1/09 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **UNMANNED VEHICLE CONTROL SYSTEM, UNMANNED VEHICLE, AND UNMANNED VEHICLE CONTROL METHOD**
[54] **SYSTEME DE COMMANDE DE VEHICULE SANS PILOTE, VEHICULE SANS PILOTE ET PROCEDE DE COMMANDE DE VEHICULE SANS PILOTE**
[72] OSAGAWA, KENTA, JP
[72] YAMADA, YASUYUKI, JP
[71] KOMATSU LTD., JP
[85] 2022-09-28
[86] 2021-05-10 (PCT/JP2021/017762)
[87] (WO2021/256118)
[30] JP (2020-106428) 2020-06-19

[21] **3,177,863**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61P 3/04 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **LONG-ACTING GLP-1 AND GLUCAGON RECEPTOR DUAL AGONIST**
[54] **AGONISTE DOUBLE DU RECEPTEUR DU GLP-1 ET DU GLUCAGON A ACTION PROLONGEE**
[72] YANG, JAE-SUNG, KR
[72] LEE, KYUNG-SEOK, KR
[72] CHAE, YU-NA, KR
[72] KIM, TAE-HYOUNG, KR
[72] JUNG, ILL-HUN, KR
[72] RYU, CHAE-LIM, KR
[72] LEE, DAE-YOUNG, KR
[71] DONG-A ST CO., LTD., KR
[85] 2022-09-28
[86] 2021-04-15 (PCT/KR2021/004747)
[87] (WO2021/221359)
[30] KR (10-2020-0052923) 2020-04-29

[21] **3,177,866**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 25/28 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENTS, PHARMACEUTICAL COMPOSITIONS, AND ASSOCIATED BIOMARKERS BASED ON TRK-B**
[54] **AGENTS THERAPEUTIQUES, COMPOSITIONS PHARMACEUTIQUES ET BIOMARQUEURS ASSOCIES SUR LA BASE DE TRK-B**
[72] DE OLIVEIRA DIOGENES NOGUEIRA, MARIA JOSE, PT
[72] FONSECA GOMES, JOAO FILIPE, PT
[72] SANTOS, ANDRE JERONIMO, PT
[72] FERREIRA DE SOUSA SEBASTIAO, ANA MARIA, PT
[72] BANDEIRA DUARTE, CARLOS, PT
[71] INSTITUTO DE MEDICINA MOLECULAR JOAO LOBO ANTUNES, PT
[71] UNIVERSIDADE DE COIMBRA, PT
[71] FACULDADE DE MEDICINA DA UNIVERSIDADE DE LISBOA, PT
[85] 2022-09-28
[86] 2021-04-01 (PCT/PT2021/050011)
[87] (WO2021/201710)
[30] GB (2004832.8) 2020-04-01

[21] **3,177,870**
[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/62 (2006.01) C12N 15/81 (2006.01) C12P 7/42 (2006.01) C12P 17/06 (2006.01) C40B 30/08 (2006.01)**
[25] EN
[54] **BIOSYNTHESIS OF CANNABINOIDS AND CANNABINOID PRECURSORS**
[54] **BIOSYNTHESE DE CANNABINOIDES ET DE PRECURSEURS DE CANNABINOIDES**
[72] CARLIN, DYLAN ALEXANDER, US
[72] CARVALHO, BRIAN, US
[72] FLORES, NICHOLAS, US
[72] FORREST, KATRINA, US
[72] RODRIGUEZ, GABRIEL, US
[72] SCHMIDT, NATHAN W., US
[72] SPENCER, MICHELLE, US
[71] GINKGO BIOWORKS, INC., US
[85] 2022-09-28
[86] 2021-10-12 (PCT/US2021/054641)
[87] (WO2022/081615)
[30] US (63/091,292) 2020-10-13
[30] US (63/188,442) 2021-05-13

[21] **3,177,872**
[13] A1
[51] **Int.Cl. A47J 37/08 (2006.01) H05B 3/24 (2006.01)**
[25] EN
[54] **COOKING APPLIANCE EMPLOYING RADIATIVE FLUX**
[54] **APPAREIL DE CUISSON UTILISANT UN FLUX RADIATIF**
[72] CARBONE, PHILIP C., US
[72] LOFTUS, PETER J., US
[72] BENEDEK, KAREN R., US
[72] POON, JAMES, US
[71] REVOLUTION COOKING, LLC, US
[85] 2022-09-28
[86] 2021-11-12 (PCT/US2021/059081)
[87] (WO2022/104017)
[30] US (63/113,758) 2020-11-13

[21] **3,177,874**
[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **SANDWICH PRESS FOR TOASTER**
[54] **PRESSE A SANDWICH POUR GRILLE-PAIN**
[72] CARBONE, PHILIP C., US
[72] POON, JAMES, US
[72] O'DONNELL, RYAN, US
[72] HELM, ROBIE, US
[72] O'SULLIVAN, CODY, US
[72] HYP, ERIC, CN
[71] REVOLUTION COOKING, LLC, US
[85] 2022-09-28
[86] 2022-03-04 (PCT/US2022/018989)
[87] (WO2022/192089)
[30] US (17/195,806) 2021-03-09

[21] **3,177,875**
[13] A1
[51] **Int.Cl. A61B 6/02 (2006.01) A61B 6/03 (2006.01) H04N 13/00 (2018.01) H05G 1/00 (2006.01)**
[25] EN
[54] **IMAGING DEVICE AND METHOD FOR MULTIPLE IMAGE ACQUISITION**
[54] **DISPOSITIF ET PROCEDE D'IMAGERIE POUR L'ACQUISITION DE PLUSIEURS IMAGES**
[72] FOURAS, ANDREAS, AU
[72] CHAPMAN, PAUL, AU
[71] AUSTRALIAN LUNG HEALTH INITIATIVE PTY LTD, AU
[85] 2022-09-29
[86] 2021-06-25 (PCT/AU2021/050669)
[87] (WO2021/258156)
[30] US (63/043,994) 2020-06-25
[30] US (63/044,090) 2020-06-25

[21] **3,177,877**
[13] A1
[51] **Int.Cl. C22B 15/00 (2006.01) C22B 3/14 (2006.01) C22B 3/26 (2006.01) C22B 7/00 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **RECOVERY OF METALS**
[54] **RECUPERATION DE METAUX**
[72] URBANI, MARK DANIEL, AU
[72] JOHNSON, GARY DONALD, AU
[72] VINES, NICHOLAS JOHN, AU
[71] RENEWABLE METALS COMPANY PTY LTD, AU
[85] 2022-09-29
[86] 2022-02-11 (PCT/AU2022/050092)
[87] (WO2022/170399)
[30] AU (2021900358) 2021-02-12

[21] **3,177,984**
[13] A1
[51] **Int.Cl. A23L 29/30 (2016.01) A23L 33/125 (2016.01) A23L 33/20 (2016.01)**
[25] EN
[54] **FULLY CALORIC, SLOWLY DIGESTIBLE CARBOHYDRATE COMPOSITION**
[54] **COMPOSITION DE GLUCIDES, AMPLEMENT CALORIQUE ET LENTEMENT DIGESTIBLE**
[72] VAFEIADI, CHRISTINA, CH
[72] LAMOTHE, LISA MARCELA, CH
[72] RYTZ, ANDREAS, CH
[72] DARIMONT-NICOLAU, CHRISTIAN, CH
[72] FRANCEY, CELIA, CH
[72] LEREA-ANTES, JACLYN, US
[72] UFHEIL, GERHARD, US
[72] SWANSON, JULIE ANN, US
[72] CURTI, DELPHINE GISELE, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-15
[86] 2021-01-08 (PCT/EP2021/050309)
[87] (WO2021/140223)
[30] US (62/958,941) 2020-01-09

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[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01) B29C 64/386 (2017.01) G06T 7/70 (2017.01) G06T 7/80 (2017.01) G06N 20/00 (2019.01) G06V 10/70 (2022.01) G02B 3/14 (2006.01) G05B 13/02 (2006.01) G05B 13/04 (2006.01) G05B 19/4097 (2006.01) G05B 19/4099 (2006.01) G05B 19/418 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **ROBOT FLEET MANAGEMENT AND ADDITIVE MANUFACTURING FOR VALUE CHAIN NETWORKS**
[54] **GESTION DE PARC DE ROBOTS ET FABRICATION ADDITIVE POUR RESEAUX A CHAINE DE VALEURS**
[72] CELLA, CHARLES H., US
[72] BLIVEN, BRENT, US
[72] KELL, BRAD, US
[72] EL-TAHRY, TEYMOUR S., US
[72] CARDNO, ANDREW, US
[72] MARINKOVICH, SAVA, US
[72] DOBROWITSKY, JOSHUA, US
[72] FORTIN, LEON, US
[72] SHARMA, KUNAL, US
[71] STRONG FORCE VCN PORTFOLIO 2019, LLC, US
[85] 2022-09-27
[86] 2021-12-17 (PCT/US2021/064233)
[87] (WO2022/133330)

[21] **3,178,093**
[13] A1
[25] EN
[54] **CYSTEINE ENGINEERED ANTIBODY CONSTRUCTS, CONJUGATES AND METHODS OF USE**
[54] **CONSTRUCTIONS D'ANTICORPS SOPHISTIQUES DE CYSTEINE, CONJUGUES ET METHODES D'UTILISATION**
[72] RICH, JAMES R., CA
[72] SANCHES, MARIO, CA
[72] DAS, SAMIR, CA
[72] FARBER, PATRICK, CA
[71] ZYMEWORKS INC., CA
[85] 2022-09-28
[86] 2022-03-25 (PCT/CA2022/050453)
[87] (3178093)
[30] US (63/166,450) 2021-03-26

[21] **3,178,124**
[13] A1
[51] **Int.Cl. C12N 15/01 (2006.01) C12N 5/071 (2010.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO TRACK THE EVOLUTION OF SINGLE CELLS**
[54] **SYSTEMES ET PROCEDES POUR SUIVRE L'EVOLUTION DE CELLULES UNIQUES**
[72] YE, XIN, US
[72] CHANG, MATTHEW TSN-WEI, US
[71] GENENTECH, INC., US
[85] 2022-09-19
[86] 2021-03-19 (PCT/US2021/023274)
[87] (WO2021/188973)
[30] US (62/992,498) 2020-03-20
[30] US (63/161,390) 2021-03-15

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[13] A1
[51] **Int.Cl. G01V 1/00 (2006.01) G01V 1/30 (2006.01) G01V 1/36 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **MARINE SEISMIC IMAGING**
[54] **IMAGERIE SISMIQUE MARINE**
[72] KUMAR, RAJIV, GB
[72] KAMIL AMIN, YOUSIF IZZELDIN, GB
[72] ., SONIKA, GB
[72] VASSALLO, MASSIMILIANO, GB
[72] EL ALLOUCHE, NIHED, GB
[72] BOIERO, DANIELE, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-09-20
[86] 2021-03-08 (PCT/US2021/021283)
[87] (WO2021/178942)
[30] US (62/986,437) 2020-03-06

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[13] A1
[51] **Int.Cl. B62B 5/00 (2006.01) B25G 1/00 (2006.01) B62B 3/14 (2006.01) B62B 5/06 (2006.01)**
[25] EN
[54] **PERSONAL PROTECTIVE AND HYGIENIC DEVICE FOR USE ON GROCERY CART HANDLES AND ON OTHER SIMILAR PUBLIC-DEDICATED HANDLES OR POLES**
[54] **DISPOSITIF DE PROTECTION ET D'HYGIENE PERSONNELLES DESTINE A ETRE UTILISE SUR DES POIGNEES DE CHARIOT D'EPICERIE ET SUR D'AUTRES POIGNEES OU MONTANTS DEDIES AU PUBLIC SIMILAIRES**
[72] VAN WINDEN, CHRISTIAN, CA
[71] VAN WINDEN, CHRISTIAN, CA
[71] SIBONY, JONATHAN, CA
[85] 2022-09-26
[86] 2021-03-29 (PCT/CA2021/000025)
[87] (WO2021/195740)
[30] US (63/004,891) 2020-04-03

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/63 (2006.01)**
[25] EN
[54] **SELF-CIRCULARIZED RNA STRUCTURE**
[54] **STRUCTURE D'ARN AUTO-CIRCULARISEE**
[72] LEE, SEONG-WOOK, KR
[72] LEE, KYUNG HYUN, KR
[72] HAN, SEUNG RYUL, KR
[72] KIM, JI HYUN, KR
[72] KIM, SEONGCHEOL, KR
[71] RZNOMICS INC., KR
[85] 2022-09-26
[86] 2022-03-10 (PCT/KR2022/003377)
[87] (WO2022/191642)
[30] KR (10-2021-0031225) 2021-03-10

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[13] A1
[51] **Int.Cl. C08F 220/58 (2006.01) C09K 8/035 (2006.01) C09K 8/12 (2006.01)**
[25] EN
[54] **DRILLING FLUID WITH IMPROVED FLUID LOSS AND VISCOSIFYING PROPERTIES**
[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
[71] SPCM SA, FR
[85] 2022-09-28
[86] 2021-03-25 (PCT/EP2021/057770)
[87] (WO2021/209242)
[30] US (16/848,338) 2020-04-14

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) A61P 43/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **PYRIDOPYRIMIDINONE DERIVATIVES AND THEIR USE AS ARYL HYDROCARBON RECEPTOR MODULATORS**
[54] **DERIVES DE PYRIDOPYRIMIDINONE ET LEUR UTILISATION EN TANT QUE MODULATEURS DU RECEPTEUR D'HYDROCARBURE ARYLE**
[72] SONG, MINSOO, KR
[72] PARK, GA YOUNG, KR
[72] KANG, JIHEE, KR
[72] LEE, EUNHYE, KR
[72] PARK, YOOJIN, KR
[72] CHOI, YUJEONG, KR
[72] KIM, SOONG-HYUN, KR
[72] KO, EUN BI, KR
[72] BAE, SERI, KR
[72] PARK, JUNG-SANG, KR
[72] CHA, DAEWON, KR
[72] LEE, WONHYUNG, KR
[72] JOO, MIN SUNG, KR
[72] YOON, TAEYOUNG, KR
[72] DOH, HYOUNMIE, KR
[72] SUNG, HYUN JUNG, KR
[72] LEE, BO RYEONG, KR
[72] KIM, YOONJUNG, KR
[71] DONG-A ST CO., LTD., KR
[85] 2022-09-28
[86] 2021-04-19 (PCT/KR2021/004904)
[87] (WO2021/210970)
[30] US (63/011,351) 2020-04-17

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[13] A1
[51] **Int.Cl. A61B 6/02 (2006.01) A61B 5/085 (2006.01) A61B 5/091 (2006.01) A61B 5/103 (2006.01) G06T 15/00 (2011.01)**
[25] EN
[54] **IMAGING DEVICE AND METHOD FOR OPTIMISING IMAGE ACQUISITION**
[54] **DISPOSITIF D'IMAGERIE ET PROCEDE D'OPTIMISATION D'AQUISITION D'IMAGE**
[72] FOURAS, ANDREAS, AU
[72] DUSTING, JONATHAN, AU
[72] CHAPMAN, PAUL, AU
[71] AUSTRALIAN LUNG HEALTH INITIATIVE PTY LTD, AU
[85] 2022-09-29
[86] 2021-06-25 (PCT/AU2021/050668)
[87] (WO2021/258155)
[30] US (63/043,994) 2020-06-25
[30] US (63/044,090) 2020-06-25

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[13] A1
[51] **Int.Cl. B01J 8/24 (2006.01)**
[25] EN
[54] **FLUIDIZED BED REACTOR SYSTEMS AND METHODS FOR TORREFACTION AND CATALYTIC PYROLYSIS OF BIOMASS**
[54] **SYSTEMES DE REACTEUR A LIT FLUIDISE ET PROCEDES DE TORREFACTION ET DE PYROLYSE CATALYTIQUE DE BIOMASSE**
[72] BI, XIAOTAO, CA
[72] LIM, C. JIM, CA
[72] SOKHANSANJ, SHAHAB, CA
[72] PENG, JIANGHONG, CA
[72] JIA, DENING, CA
[72] WANG, RUIXU, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2022-09-29
[86] 2020-04-24 (PCT/CA2020/050546)
[87] (WO2021/212202)

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[13] A1
[51] **Int.Cl. C09D 163/00 (2006.01) C09D 5/00 (2006.01) C09D 5/16 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **COMPOSITION FOR A COATING, COATINGS AND METHODS THEREOF**
[54] **COMPOSITION POUR REVETEMENT REVETEMENTS ET PROCEDES ASSOCIES**
[72] GAIER, MARCIEL, CA
[72] ALGERMOZI, MOHAMMED, CA
[72] RODIONOV, ILIA, CA
[71] GRAPHITE INNOVATION AND TECHNOLOGIES INC., CA
[85] 2022-09-29
[86] 2021-05-13 (PCT/CA2021/000042)
[87] (WO2021/226699)
[30] US (63/024,447) 2020-05-13

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/00 (2006.01) A61K 31/167 (2006.01) A61P 1/06 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 11/16 (2006.01) A61P 13/02 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01) A61P 19/02 (2006.01) A61P 25/02 (2006.01) A61P 25/08 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **TREATMENT OF HYPERINFLAMMATORY SYNDROME**
[54] **TRAITEMENT DU SYNDROME HYPER-INFLAMMATOIRE**
[72] HASAN, DJOHAN, BE
[71] NOMOREITIS B.V., BE
[85] 2022-09-19
[86] 2021-03-31 (PCT/NL2021/050208)
[87] (WO2021/201680)
[30] NL (2025253) 2020-03-31
[30] NL (2025541) 2020-05-08
[30] NL (2027321) 2021-01-14

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[13] A1
[51] **Int.Cl. B29C 44/18 (2006.01) B28B 7/22 (2006.01) B28B 23/22 (2006.01) B29C 45/14 (2006.01) E04G 11/06 (2006.01) E04G 11/08 (2006.01) E04G 17/00 (2006.01)**
[25] EN
[54] **INSULATING FORMWORK PANEL AND MANUFACTURING SYSTEM AND PROCESS THEREFOR**
[54] **PANNEAU DE COFFRAGE ISOLANT ET SYSTEME ET PROCEDE DE FABRICATION AFFERENTS**
[72] MEILLEUR, SERGE, CA
[72] GRENON, ANDRE, CA
[71] POLYCRETE INTERNATIONAL INC., CA
[85] 2022-09-29
[86] 2021-12-14 (PCT/CA2021/000104)
[87] (WO2022/126230)
[30] US (63/127,833) 2020-12-18

[21] **3,178,143**
[13] A1
[51] **Int.Cl. E21B 17/07 (2006.01)**
[25] EN
[54] **DRILLING DOWNHOLE REGULATING DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS DE REGULATION DE FOND DE TROU DE FORAGE ET PROCEDES ASSOCIES**
[72] DYCK, DAVID, CA
[71] DRILL SAFE SYSTEMS INC., CA
[85] 2022-09-29
[86] 2021-02-12 (PCT/CA2021/050158)
[87] (WO2022/170414)

[21] **3,178,144**
[13] A1
[51] **Int.Cl. G01N 29/28 (2006.01)**
[25] EN
[54] **APPARATUS FOR COUPLANT MANAGEMENT**
[54] **APPAREIL DE GESTION DE MILIEU DE COUPLAGE**
[72] FAUCHER, DENIS, CA
[72] DESCHENES, ALAIN, CA
[71] EVIDENT CANADA, INC., CA
[85] 2022-09-29
[86] 2021-03-30 (PCT/CA2021/050416)
[87] (WO2021/195756)
[30] US (63/003,379) 2020-04-01

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[13] A1
[51] **Int.Cl. G01N 1/28 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/00 (2006.01) G01N 1/38 (2006.01) G01N 33/48 (2006.01) A01N 1/00 (2006.01) C12N 1/04 (2006.01)**
[25] EN
[54] **STABILIZING COMPOSITION AND METHOD FOR PRESERVING A BODILY FLUID**
[54] **COMPOSITION DE STABILISATION ET PROCEDE DE PRESERVATION D'UN FLUIDE CORPOREL**
[72] ARORA, AMIT, CA
[71] DNA GENOTEK INC., CA
[85] 2022-09-29
[86] 2021-03-30 (PCT/CA2021/050428)
[87] (WO2021/195768)
[30] US (63/002,123) 2020-03-30

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[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 19/24 (2006.01) E21B 47/12 (2012.01) G01V 1/40 (2006.01)**
[25] EN
[54] **ELECTRICAL TELEMETRY SYSTEM**
[54] **SYSTEME DE TELEMETRIE ELECTRIQUE**
[72] STEELE, DAVID JOE, US
[72] GAO, LI, US
[72] CHEN, SHILIN, US
[72] SESHADRI, MURALIDHAR, US
[72] REYES, ENRIQUE ANTONIO, US
[72] LARIMORE, DAVID RUSS, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-09-29
[86] 2020-05-28 (PCT/US2020/034778)
[87] (WO2021/242239)

[21] **3,178,150**
[13] A1
[51] **Int.Cl. B01D 46/00 (2022.01) B01D 46/10 (2006.01) B01D 46/52 (2006.01) B01D 50/00 (2022.01) B65D 51/16 (2006.01)**
[25] EN
[54] **AIR FILTRATION SYSTEM, AIR FILTRATION DEVICE, AND AIR FILTRATION MODULE FOR USE THEREWITH**
[54] **SYSTEME DE FILTRATION D'AIR, DISPOSITIF DE FILTRATION D'AIR, ET MODULE DE FILTRATION D'AIR DESTINE A ETRE UTILISE AVEC CEUX-CI**
[72] LYNCH, IYAM, US
[72] CAMPBELL, NEIL J., US
[72] DELLINGER, STEPHEN, US
[72] GRUBE , KRIS, US
[72] DITROLIO, MATTHEW, US
[71] DSS PUREAIR, INC., US
[85] 2022-09-29
[86] 2020-06-08 (PCT/US2020/036576)
[87] (WO2021/247044)
[30] US (29/737,110) 2020-06-05
[30] US (29/737,141) 2020-06-05
[30] US (29/737,148) 2020-06-05
[30] US (29/737,150) 2020-06-05
[30] US (29/737,154) 2020-06-05

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[13] A1
[51] **Int.Cl. A62B 7/10 (2006.01) A62B 23/02 (2006.01) B01D 46/10 (2006.01) B01D 46/52 (2006.01)**
[25] EN
[54] **AIR FILTRATION SYSTEM, AIR FILTRATION DEVICE, AND AIR FILTRATION MODULE FOR USE THEREWITH**
[54] **SYSTEME DE FILTRATION D'AIR, DISPOSITIF DE FILTRATION D'AIR ET MODULE DE FILTRATION D'AIR DESTINE A ETRE UTILISE AVEC CELUI-CI**
[72] LYNCH, IYAM, US
[72] CAMPBELL, NEIL J., US
[72] DELLINGER, STEPHEN, US
[72] GRUBE, KRIS, US
[72] DITROLIO, MATTHEW, US
[71] DSS PUREAIR, INC., US
[85] 2022-09-29
[86] 2020-06-12 (PCT/US2020/037534)
[87] (WO2021/247049)
[30] US (29/737,110) 2020-06-05
[30] US (29/737,141) 2020-06-05
[30] US (29/737,148) 2020-06-05
[30] US (29/737,150) 2020-06-05
[30] US (29/737,154) 2020-06-05
[30] US (PCT/US2020/036576) 2020-06-08

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[13] A1
[51] **Int.Cl. A61K 31/13 (2006.01) A61K 31/133 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ETHANOLAMINE FORMULATION FOR TREATING EPITHELIAL OVARIAN CARCINOMA**
[54] **FORMULATION D'ETHANOLAMINE POUR LE TRAITEMENT DU CARCINOME OVARIEN EPITHELIAL**
[72] CANTUARIA, GUILHERME H. C., US
[71] METANOI THERAPEUTICS, INC., US
[85] 2022-09-29
[86] 2021-03-05 (PCT/US2021/021007)
[87] (WO2021/206831)
[30] US (63/006,426) 2020-04-07

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[13] A1
[51] **Int.Cl. C08L 75/04 (2006.01) C08K 3/013 (2018.01) C08J 9/22 (2006.01) C08J 9/36 (2006.01)**
[25] EN
[54] **SHAPEABLE COMPOSITES AND METHODS OF PREPARATION THEREOF**
[54] **COMPOSITES FACONNABLES ET LEURS PROCEDES DE PREPARATION**
[72] LAKROUT, HAMED, US
[72] MENESES, MATTHEW Y., US
[72] MOHAND-KACI, SOUFIANE, US
[71] WESTLAKE ROYAL BUILDING PRODUCTS INC., US
[85] 2022-09-29
[86] 2021-03-18 (PCT/US2021/022894)
[87] (WO2021/202107)
[30] US (63/004,637) 2020-04-03

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[13] A1
[51] **Int.Cl. G01N 29/26 (2006.01) G01S 7/521 (2006.01) G01N 29/28 (2006.01)**
[25] EN
[54] **LONGITUDINAL AND CIRCUMFERENTIAL ULTRASOUND SCANNER**
[54] **SCANNER LONGITUDINAL ET CIRCONFERENTIEL A ULTRASONS**
[72] COOPER, LUIS, CA
[72] DUPUIS, MARTIN, CA
[72] SIMARD, VERONIQUE, CA
[72] SPAY, BENJAMIN, CA
[71] EVIDENT CANADA, INC., CA
[85] 2022-09-29
[86] 2021-03-31 (PCT/CA2021/050429)
[87] (WO2021/195769)
[30] US (63/002,414) 2020-03-31
[30] US (17/077,090) 2020-10-22

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[13] A1
[51] **Int.Cl. A23L 7/10 (2016.01) A23L 7/104 (2016.01) C08B 37/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STEAM FLAKING OF GRAINS**
[54] **SYSTEME ET PROCEDE DE FLOCONNAGE A LA VAPEUR DE GRAINS**
[72] RAY, MICHAEL L., US
[72] BECKETT, JONATHON L., US
[71] RAY, MICHAEL L., US
[71] BECKETT, JONATHON L., US
[85] 2022-09-20
[86] 2021-03-19 (PCT/US2021/023360)
[87] (WO2021/189025)
[30] US (62/991,988) 2020-03-19

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 1/20 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE COLLABORATION**
[54] **SYSTEMES ET PROCEDES DE COLLABORATION A DISTANCE**
[72] CIOFFI, JOHN, US
[72] HWANG, CHAN-SOO, KR
[72] SILVERMAN, PETER JOSHUA, US
[72] CIL, TUNCAY, US
[72] BEDNARZ, PHILIP, US
[72] CHOW, PETER, US
[72] GARCIA HERNANDEZ, CARLOS, US
[71] ASSIA SPE, LLC, US
[85] 2022-09-20
[86] 2021-04-06 (PCT/US2021/026045)
[87] (WO2021/207269)
[30] US (63/006,628) 2020-04-07
[30] US (63/026,112) 2020-05-17
[30] US (63/057,806) 2020-07-28
[30] US (63/076,209) 2020-09-09

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DATA TRANSMISSION ACROSS UNRELIABLE CONNECTIONS**
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION DE DONNEES A TRAVERS DES CONNEXIONS NON FIABLES**
[72] JONES, GEORGE RICHARD, CA
[72] AZZAM, IMAD, CA
[72] SZE, DAVID PUI KEUNG, CA
[72] OBERHOLZER, JONATHON, CA
[71] DEJERO LABS INC., CA
[85] 2022-09-29
[86] 2021-05-28 (PCT/CA2021/050732)
[87] (WO2021/237370)
[30] US (63/032,180) 2020-05-29

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[13] A1
[51] **Int.Cl. C02F 1/14 (2006.01) B01D 1/30 (2006.01) C02F 1/04 (2006.01)**
[25] EN
[54] **SOLAR POWERED WATER DESALINATOR AND METHOD**
[54] **DESALINISATEUR D'EAU A ENERGIE SOLAIRE ET PROCEDE ASSOCIE**
[72] PETRISCA, DARIAN, CA
[71] PETRISCA, DARIAN, CA
[85] 2022-09-29
[86] 2021-07-09 (PCT/CA2021/050948)
[87] (WO2022/006681)
[30] US (16/926,019) 2020-07-10

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[13] A1
[51] **Int.Cl. C25B 9/60 (2021.01) C25B 9/13 (2021.01) C25B 9/73 (2021.01) C25B 1/46 (2006.01)**
[25] EN
[54] **COMBINED CURRENT CARRIER CIRCULATION CHAMBER AND FRAME FOR USE IN UNIPOLAR ELECTROCHEMICAL DEVICES**
[54] **PORTEUSE DE COURANT, CHAMBRE DE CIRCULATION ET CADRE COMBINES POUR UNE UTILISATION DANS DES DISPOSITIFS ELECTROCHIMIQUES UNIPOLAIRES**
[72] STUART, ANDREW T. B., CA
[72] LACHANCE, RAYNALD G., CA
[72] STUART, EDWARD D. B., CA
[72] STUART, SAMANTHA E. L., CA
[72] SPAL, JAIDEEP S., CA
[71] KEY DH IP INC./IP STRATEGIQUES DH, INC., CA
[85] 2022-09-29
[86] 2021-07-15 (PCT/CA2021/050979)
[87] (WO2022/011474)
[30] US (63/053,264) 2020-07-17
[30] US (16/994,125) 2020-08-14

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[13] A1
[51] **Int.Cl. F25B 21/02 (2006.01) F25D 11/00 (2006.01)**
[25] EN
[54] **PORTABLE COOLER WITH ACTIVE TEMPERATURE CONTROL**
[54] **REFROIDISSEUR PORTABLE A REGULATION DE TEMPERATURE ACTIVE**
[72] ALEXANDER, CLAYTON, US
[72] LEITH, DAREN JOHN, US
[72] TIMPERI, MIKKO JUHANI, US
[72] WAKEHAM, CHRISTOPHER THOMAS, US
[72] KOCH, JOSEPH LYLE, US
[72] EMMERT, JACOB WILLIAM, US
[72] MULINTI, RAHUL, US
[72] LAU, JAMES SHUM, US
[71] EMBER LIFESCIENCES, INC., US
[85] 2022-09-29
[86] 2021-03-22 (PCT/US2021/023498)
[87] (WO2021/202147)
[30] US (63/004,737) 2020-04-03

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/05 (2021.01) A61B 5/053 (2021.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **BIOCAPACITANCE SENSOR**
[54] **CAPTEUR DE BIOCAPACITE**
[72] BURNS, MARTIN F., US
[72] ROSS, GRAHAM O., US
[72] GIUNTOLI, DAVID M., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2022-09-29
[86] 2021-03-24 (PCT/US2021/023818)
[87] (WO2021/202184)
[30] US (63/004,822) 2020-04-03

[21] **3,178,292**
[13] A1
[51] **Int.Cl. C25B 9/73 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **FILTER PRESS END ASSEMBLY AND FLUID MANAGEMENT SYSTEM FOR USE IN UNIPOLAR ELECTROCHEMICAL DEVICES**
[54] **ENSEMBLE D'EXTREMITE DE FILTRE-PRESSE ET SYSTEME DE GESTION DE FLUIDES DESTINES A ETRE UTILISES DANS DES DISPOSITIFS ELECTROCHIMIQUES UNIPOLAIRES**
[72] STUART, ANDREW T.B., CA
[72] LACHANCE, RAYNALD G., CA
[72] STUART, EDWARD D.B., CA
[72] SPAL, JAIDEEP S., CA
[71] KEY DH IP INC./IP STRATEGIQUES DH, INC., CA
[85] 2022-09-29
[86] 2021-09-08 (PCT/CA2021/051240)
[87] (WO2022/051848)
[30] US (63/076,180) 2020-09-09

[21] **3,178,294**
[13] A1
[51] **Int.Cl. C25B 9/70 (2021.01) C25B 9/65 (2021.01) C25B 1/04 (2021.01) C25B 15/00 (2006.01)**
[25] EN
[54] **HIGH POWER WATER ELECTROLYSIS PLANT CONFIGURATION OPTIMIZED FOR SECTIONAL MAINTENANCE**
[54] **CONFIGURATION D'INSTALLATION D'ELECTROLYSE DE L'EAU A HAUTE PUISSANCE OPTIMISEE POUR UN ENTRETIEN PAR SECTIONS**
[72] STUART, ANDREW T. B., CA
[72] STUART, EDWARD D.B., CA
[72] LACHANCE, RAYNALD G., CA
[72] DYKSTRA, ERIK S., CA
[71] KEY DH IP INC./IP STRATEGIQUES DH, INC., CA
[85] 2022-09-29
[86] 2021-10-26 (PCT/CA2021/051505)
[87] (WO2022/087725)
[30] US (63/105,587) 2020-10-26

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[13] A1
[51] **Int.Cl. H01Q 21/00 (2006.01) H04W 24/06 (2009.01) H04B 17/318 (2015.01) H04W 76/10 (2018.01) H04W 76/15 (2018.01) H04B 7/04 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HOUSING ANTENNAS**
[54] **SYSTEME ET PROCEDE DE RECEPTION D'ANTENNES**
[72] BARROW, ANDREW, CA
[72] KUNARATNAM, THANANJAGEN, CA
[72] ELAGHA, ALAA F., CA
[72] OBERHOLZER, JONATHON, CA
[72] SCHNEIDER, ANTHONY TODD, CA
[72] SMITH, CAMERON KENNETH, CA
[71] DEJERO LABS INC., CA
[85] 2022-09-29
[86] 2021-11-08 (PCT/CA2021/051591)
[87] (WO2022/094729)
[30] US (63/110,772) 2020-11-06

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/215 (2006.01) A61K 47/04 (2006.01) C07K 14/005 (2006.01) C07K 14/165 (2006.01)**
[25] EN
[54] **DEUTERIUM-STABILISED RIBONUCLEIC ACID (RNA) MOLECULES DISPLAYING INCREASED RESISTANCE TO THERMAL AND ENZYMATIC HYDROLYSIS, AQUEOUS COMPOSITIONS COMPRISING STABILIZED RNA MOLECULES AND METHODS FOR MAKING SAME**
[54] **MOLECULES D'ACIDE RIBONUCLEIQUE (ARN) STABILISEES PAR DU DEUTERIUM PRESENTANT UNE RESISTANCE ACCRUE A L'HYDROLYSE THERMIQUE ET ENZYMATIQUE, COMPOSITIONS AQUEUSES COMPRENANT DES MOLECULES D'ARN STABILISEES ET LEURS PROCEDES DE FABRICATION**
[72] GRIS, PAVEL, CA
[72] FARMILO, ALFRED JAMES, CA
[71] DEUTRAMED SOLUTIONS LTD., CA
[85] 2022-09-29
[86] 2021-11-10 (PCT/CA2021/051598)
[87] (WO2022/099411)
[30] US (63/112,370) 2020-11-11
[30] US (63/114,418) 2020-11-16

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[13] A1
[51] **Int.Cl. G01N 27/26 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL SENSOR FOR PHENOLIC ANALYTES**
[54] **CAPTEUR ELECTROCHIMIQUE DESTINE A DES ANALYTES PHENOLIQUES**
[72] ORTEGA RODRIGUEZ, GRETER AMELIA, CA
[72] TUTEJA, SATISH KUMAR, CA
[72] AHMED, SYED RAHIN, CA
[72] SRINIVASAN, SESHASAI, CA
[72] RAJABZADEH, AMIN REZA, CA
[71] EYE3CONCEPTS INC., CA
[85] 2022-09-29
[86] 2022-02-18 (PCT/CA2022/050234)
[87] (WO2022/174348)
[30] US (63/151,339) 2021-02-19

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[13] A1
[51] **Int.Cl. B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/124 (2017.01) B29C 64/255 (2017.01) B29C 64/277 (2017.01)**
[25] EN
[54] **APPARATUS FOR BOTTOM-UP STEREOLITHOGRAPHY WITH AN LCD LIGHT SOURCE WITH LED MATRIX AND TANK WITH ELASTIC MEMBRANE BOTTOM WITH REDUCED AND VARIABLE THICKNESS, AND METHOD OF USE**
[54] **APPAREIL DE STEREOLITHOGRAPHIE ASCENDANTE DOTE D'UNE SOURCE DE LUMIERE LCD A MATRICE A DEL ET RESERVOIR DOTE D'UN FOND A MEMBRANE ELASTIQUE AYANT UNE EPAISSEUR REDUITE ET VARIABLE, ET PROCEDE D'UTILISATION**
[72] ZITELLI, GIANNI, IT
[71] AXTRA3D INCORPORATION, US
[71] ZITELLI, GIANNI, IT
[85] 2022-09-28
[86] 2021-03-30 (PCT/IT2021/050091)
[87] (WO2021/199094)
[30] IT (102020000006640) 2020-03-30

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G06N 20/20 (2019.01) C40B 30/00 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTING COLORECTAL CANCER VIA NUCLEIC ACID METHYLATION ANALYSIS**
[54] **PROCEDES ET SYSTEMES POUR DETECTER UN CANCER COLORECTAL PAR L'INTERMEDIAIRE D'UNE ANALYSE DE METHYLATION D'ACIDE NUCLEIQUE**
[72] ST. JOHN, JOHN, US
[72] KOTHEN-HILL, STEVEN, US
[72] YANG, RUI, US
[72] DRAKE, ADAM, US
[71] FREENOME HOLDINGS, INC., US
[85] 2022-09-29
[86] 2021-03-29 (PCT/US2021/024604)
[87] (WO2021/202351)
[30] US (63/002,878) 2020-03-31

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[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **MICROTUBULE ASSOCIATED PROTEIN TAU (MAPT) IRNA AGENT COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'AGENT D'ARNI A PROTEINE TAU ASSOCIEE AUX MICROTUBULES (MAPT) ET LEURS PROCEDES D'UTILISATION**
[72] SOUNDARAPANDIAN, MANGALA MEENAKSHI, US
[72] MCININCH, JAMES D., US
[72] FISHILEVICH, ELANE, US
[72] CASTORENO, ADAM, US
[72] KAITTANIS, CHARALAMBOS, US
[72] SCHLEGEL, MARK K., US
[72] FARLEY, JONATHAN EDWARD, US
[72] ZUBER, JEFFREY, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2022-09-29
[86] 2021-03-30 (PCT/US2021/024858)
[87] (WO2021/202511)
[30] US (63/002,030) 2020-03-30
[30] US (63/164,467) 2021-03-22

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[13] A1
[51] **Int.Cl. B60P 3/12 (2006.01) B60P 3/07 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOVING A VEHICLE**
[54] **SYSTEME ET PROCEDE POUR DEPLACER UN VEHICULE**
[72] ESPARZA, SONNY JOHN, US
[72] VELIZ, JESSE GUTIERREZ, US
[71] BAKSLYDER LLC, US
[85] 2022-09-29
[86] 2021-03-30 (PCT/US2021/024977)
[87] (WO2021/202594)
[30] US (63/003,239) 2020-03-31

[21] **3,178,308**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **TARGETED LIPID PARTICLES AND COMPOSITIONS AND USES THEREOF**
[54] **PARTICULES LIPIDIQUES CIBLEES ET LEURS COMPOSITIONS ET LEURS UTILISATIONS**
[72] TRUDEAU, KYLE MARVIN, US
[72] BANDORO, CHRISTOPHER, US
[72] MACKENZIE, LAUREN PEPPER, US
[72] SHAH, JAGESH VIJAYKUMAR, US
[72] VON MALTZAHN, GEOFFREY A., US
[72] RUBENS, JACOB ROSENBLUM, US
[72] MEE, MICHAEL TRAVIS, US
[71] SANA BIOTECHNOLOGY, INC., US
[71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
[85] 2022-09-29
[86] 2021-03-30 (PCT/US2021/024993)
[87] (WO2021/202604)
[30] US (63/003,168) 2020-03-31
[30] US (63/154,341) 2021-02-26

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61K 31/201 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOSITIONS**
[54] **COMPOSITIONS THERAPEUTIQUES**
[72] RAU, THOMAS F., US
[72] ROGERS, GEOFFREY W., US
[71] WINTERMUTE BIOMEDICAL, INC., US
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025060)
[87] (WO2021/202644)
[30] US (16/836,881) 2020-03-31
[30] US (16/836,893) 2020-03-31

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[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 15/52 (2006.01) C12P 1/00 (2006.01) C12P 19/18 (2006.01) C12P 19/26 (2006.01)**
[25] EN
[54] **PRODUCTION OF SIALYLATED OLIGOSACCHARIDE IN HOST CELLS**
[54] **PRODUCTION D'OLIGOSACCHARIDE SIALYLE DANS DES CELLULES HOTES**
[72] BEAUPREZ, JOERI, BE
[72] COUSSEMENT, PIETER, BE
[72] DECOENE, THOMAS, BE
[72] VERCAUTEREN, ANNELIES, BE
[71] INBIOSE N.V., BE
[85] 2022-06-17
[86] 2020-12-18 (PCT/EP2020/086950)
[87] (WO2021/123113)
[30] BE (BE2019/5935) 2019-12-18
[30] BE (BE2019/5936) 2019-12-18
[30] BE (BE2019/5937) 2019-12-18
[30] BE (BE2019/5938) 2019-12-18
[30] BE (BE2019/5939) 2019-12-18

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[13] A1
[51] **Int.Cl. G09B 23/32 (2006.01) G09B 9/00 (2006.01)**
[25] EN
[54] **AIRWAY RESISTANCE DEVICE**
[54] **DISPOSITIF DE RESISTANCE DES VOIES RESPIRATOIRES**
[72] CARON, FRANCOIS, CA
[72] BONNEVILLE, MYRIAM, CA
[72] FLAMAND, JEAN-SEBASTIEN, CA
[72] FRADETTE, YANICK, CA
[71] CAE HEALTHCARE CANADA INC., CA
[85] 2022-09-27
[86] 2022-03-29 (PCT/CA2022/050464)
[87] (WO2022/204798)
[30] US (63/167,604) 2021-03-29

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) B65D 81/38 (2006.01) B65D 85/50 (2006.01) F25D 3/00 (2006.01) F25D 3/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR BIOLOGICAL MATERIAL STORAGE AND TRANSPORT**
[54] **APPAREIL DE STOCKAGE ET DE TRANSPORT DE MATERIEL BIOLOGIQUE**
[72] WEI, XIAOXI, US
[71] X-THERMA, INC., US
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025154)
[87] (WO2021/202716)
[30] US (63/003,073) 2020-03-31

[21] **3,178,342**
[13] A1
[51] **Int.Cl. H01H 33/12 (2006.01) H01H 33/04 (2006.01) H01H 33/664 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING AN ELECTRICAL SWITCH**
[54] **SYSTEME ET PROCEDE DE FONCTIONNEMENT D'UN COMMUTATEUR ELECTRIQUE**
[72] RHEIN, DAVID ADELBERT, US
[72] DING, CONG THANH, US
[71] HUBBELL INCORPORATED, US
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025155)
[87] (WO2021/202717)
[30] US (63/002,509) 2020-03-31

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[13] A1
[51] **Int.Cl. A61K 39/145 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **UNIVERSAL INFLUENZA VACCINE USING NUCLEOSIDE-MODIFIELD MRNA**
[54] **VACCIN UNIVERSEL CONTRE LA GRIPPE FAISANT APPEL A UN ARNM MODIFIE PAR UN NUCLEOSIDE**
[72] PARDI, NORBERT, US
[72] WEISSMAN, DREW, US
[72] NACHBAGAUER, RAFFAEL, US
[72] PALESE, PETER, US
[72] KRAMMER, FLORIAN, US
[72] GARCIA-SASTRE, ADOLFO, US
[72] FREYN, ALEC W., US
[72] HENSLEY, SCOTT, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[71] NACHBAGAUER, RAFFAEL, US
[71] PALESE, PETER, US
[71] KRAMMER, FLORIAN, US
[71] GARCIA-SASTRE, ADOLFO, US
[71] FREYN, ALEC W., US
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025174)
[87] (WO2021/202734)

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[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/498 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **N-(HETEROCYCLYL AND HETEROCYCLYLALKYL)-3-BENZYLPYRIDIN-2-AMINE DERIVATIVES AS SSTR4 AGONISTS**
[54] **DERIVES DE N-(HETEROCYCLYL ET HETEROCYCLYLALKYL)-3-BENZYLPYRIDIN-2-AMINE SERVANT D'AGONISTES DE SSTR4**
[72] CHERUVALLATH, ZACHARIA, US
[72] GREEN, JASON, US
[72] SCHLEICHER, KRISTIN, US
[72] SUN, HUIKAI, US
[72] TANG, MINGNAM, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025225)
[87] (WO2021/202775)
[30] US (63/002,623) 2020-03-31

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 25/01 (2006.01) A61M 25/02 (2006.01) A61M 25/16 (2006.01) A61M 39/12 (2006.01) A61N 1/00 (2006.01)**
[25] EN
[54] **LAYERED WALLS FOR RIGIDIZING DEVICES**
[54] **PAROIS STRATIFIEES POUR DISPOSITIFS DE RIGIDIFICATION**
[72] LOPEZ, FRANCISCO G., US
[72] GOMES, GARRETT J., US
[72] TILSON, ALEXANDER Q., US
[71] NEPTUNE MEDICAL INC., US
[85] 2022-09-29
[86] 2021-03-29 (PCT/US2021/024582)
[87] (WO2021/202336)
[30] US (63/002,202) 2020-03-30
[30] US (63/030,235) 2020-05-26

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[13] A1
[51] **Int.Cl. C12Q 1/70 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01)**
[25] EN
[54] **DETECTION OF LOW ABUNDANCE VIRUSES**
[54] **DETECTION DE VIRUS A FAIBLE ABONDANCE**
[72] GAWAD, CHARLES, US
[72] WEST, JAY A.A., US
[72] ZAWISTOWSKI, JON STANLEY, US
[71] BIOSKRYB GENOMICS, INC., US
[85] 2022-09-29
[86] 2021-03-29 (PCT/US2021/024596)
[87] (WO2021/202344)
[30] US (63/002,969) 2020-03-31

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[13] A1
[51] **Int.Cl. G05D 11/00 (2006.01) G01N 1/10 (2006.01) G01N 1/38 (2006.01) G01N 15/00 (2006.01) G05D 7/00 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **FLUIDIC-BASED REGULATION, PLUG REMOVAL, AND MULTIPLEXING METHODS AND DEVICES FOR PROCESSING OF PARTICLES SUSPENDED IN LIQUID**
[54] **PROCEDES DE REGULATION A BASE FLUIDIQUE, D'ELIMINATION DE BOUCHON ET DE MULTIPLEXAGE ET DISPOSITIFS DE TRAITEMENT DE PARTICULES EN SUSPENSION DANS UN LIQUIDE**
[72] AIDUN, CYRUS K., US
[71] BIOAUTOMATON SYSTEMS INC., US
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025085)
[87] (WO2021/202662)
[30] US (63/003,983) 2020-04-02

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[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61K 31/416 (2006.01) A61K 31/423 (2006.01) A61K 31/4355 (2006.01) A61P 25/28 (2006.01) C07D 205/04 (2006.01) C07D 207/09 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 413/12 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **N-HETEROARYLALKYL-2-(HETEROCYCLYL AND HETEROCYCLYLMETHYL) ACETAMIDE DERIVATIVES AS SSTR4 AGONISTS**
[54] **DERIVES DE N-HETEROARYLALKYLE-2-(HETEROCYCLYLE ET HETEROCYCLYLMETHYLE) ACETAMIDE UTILISES EN TANT QU'AGONISTES DE SSTR4**
[72] CHERUVALLATH, ZACHARIA, US
[72] GREEN, JASON, US
[72] JOHNSON, BEN, US
[72] JONES, BENJAMIN, US
[72] SCHLEICHER, KRISTIN, US
[72] SUN, HUIKAI, US
[72] TANG, MINGNAM, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-09-29
[86] 2021-03-31 (PCT/US2021/025231)
[87] (WO2021/202781)
[30] US (63/002,727) 2020-03-31

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[13] A1
[51] **Int.Cl. A24F 40/30 (2020.01) A24F 40/57 (2020.01) A24F 40/42 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZER DEVICE**
[54] **DISPOSITIF VAPORISATEUR**
[72] LEE, NAMHEY, US
[72] LI, JIA, US
[72] TARSIA, MAURIZIO, US
[71] JUUL LABS, INC., US
[85] 2022-09-29
[86] 2021-04-01 (PCT/US2021/025469)
[87] (WO2021/202937)
[30] US (63/003,631) 2020-04-01

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[13] A1
[51] **Int.Cl. H04W 48/18 (2009.01)**
[25] EN
[54] **METHOD FOR PROTECTING TERMINAL PARAMETER UPDATE AND COMMUNICATION APPARATUS**
[54] **PROCEDE DE PROTECTION DE MISE A JOUR DE PARAMETRE DE TERMINAL ET DISPOSITIF DE COMMUNICATION**
[72] LI, FEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-09-29
[86] 2021-02-22 (PCT/CN2021/077280)
[87] (WO2021/196913)
[30] CN (202010247619.8) 2020-03-31
[30] CN (202010292085.0) 2020-04-14

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4412 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **AMIDE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES AMIDES ET LEURS UTILISATIONS**
[72] SU, WEI-GUO, CN
[72] ZHANG, WEIHAN, CN
[72] YANG, HAIBIN, CN
[71] HUTCHISON MEDIPHARMA LIMITED, CN
[85] 2022-09-29
[86] 2021-03-29 (PCT/CN2021/083664)
[87] (WO2021/197276)
[30] CN (202010235798.3) 2020-03-30

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[13] A1
[51] **Int.Cl. A61B 17/072 (2006.01) A61B 50/30 (2016.01)**
[25] EN
[54] **ASSEMBLY FOR SURGICAL INSTRUMENT AND SURGICAL KIT**
[54] **ENSEMBLE POUR INSTRUMENT CHIRURGICAL ET KIT CHIRURGICAL**
[72] SUN, BAOFENG, CN
[72] FU, JIANXIN, CN
[72] ZHOU, XIAOPENG, CN
[71] FULBRIGHT MEDICAL INC., CN
[85] 2022-09-29
[86] 2021-03-30 (PCT/CN2021/083993)
[87] (WO2021/197329)
[30] CN (202010261072.7) 2020-04-03

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[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **PLATFORM FOR CONSTRUCTING MULTISPECIFIC ANTIBODY**
[54] **PLATEFORME DE CONSTRUCTION D'UN ANTICORPS MULTISPECIFIQUE**
[72] LIU, XIAOLIN, CN
[72] TSUN, ANDY, CN
[72] SUN, TSOYUE JOANNE, CN
[72] MIAO, XIAONIU, CN
[72] WANG, TAO, CN
[72] DAI, SHUANG, CN
[71] BIOTHEUS INC., CN
[85] 2022-09-29
[86] 2021-03-30 (PCT/CN2021/084198)
[87] (WO2021/197359)
[30] CN (202010244571.5) 2020-03-31

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 48/00 (2006.01) C07C 229/16 (2006.01) C07C 229/24 (2006.01) C07C 233/36 (2006.01) C07C 237/12 (2006.01) C07C 271/20 (2006.01) C07C 275/14 (2006.01) C07D 205/04 (2006.01) C07D 207/12 (2006.01) C07D 211/46 (2006.01) C07D 211/58 (2006.01) C07D 305/08 (2006.01) C07D 307/22 (2006.01) C07D 309/14 (2006.01) C07D 335/02 (2006.01)**
[25] EN
[54] **LIPID NANOPARTICLE COMPOSITION**
[54] **COMPOSITIONS DE NANOPARTICULES LIPIDIQUES**
[72] YING, BO, CN
[71] SUZHOU ABOGEN BIOSCIENCES CO., LTD., CN
[85] 2022-09-29
[86] 2021-04-08 (PCT/CN2021/085879)
[87] (WO2021/204175)
[30] CN (202010275664.4) 2020-04-09
[30] US (63/011,140) 2020-04-16
[30] CN (202110299761.1) 2021-03-19

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[13] A1
[51] **Int.Cl. C08F 222/10 (2006.01) C09D 4/00 (2006.01)**
[25] EN
[54] **CURABLE POTTING COMPOSITION FREE OF SUBSTANCES OF VERY HIGH CONCERN**
[54] **COMPOSITION D'ENROBAGE DURCISSABLE EXEMPTE DE SUBSTANCES DE TRES HAUTE PREOCCUPATION**
[72] FLORES PENALBA, SONIA, ES
[72] BARRIOS ANTUNEZ, DIEGO-JAVIER, ES
[72] ROYO REVERTER, MARI CARMEN, ES
[72] SAKALYTE, ASTA, ES
[72] GARCIA MIRALLES, JOSE, DE
[72] SEBASTIAN PEREZ, ROSA MARIA, ES
[72] MARQUET CORTES, JORGE, ES
[71] HENKEL AG & CO. KGAA, DE
[85] 2022-09-29
[86] 2021-03-18 (PCT/EP2021/056921)
[87] (WO2021/197856)
[30] EP (20382247.3) 2020-03-30

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[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) G06T 7/73 (2017.01) A61B 17/66 (2006.01)**
[25] EN
[54] **HINGE DETECTION FOR ORTHOPEDIC FIXATION**
[54] **DETECTION DE CHARNIERE POUR FIXATION ORTHOPEDIQUE**
[72] GUTMANN, BERND, CH
[72] GAMBER, ANDREAS, CH
[71] SYNTHES GMBH, CH
[85] 2022-09-29
[86] 2021-03-25 (PCT/EP2021/057810)
[87] (WO2021/198033)
[30] US (16/839,381) 2020-04-03

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[13] A1
[51] **Int.Cl. B07B 1/00 (2006.01) B07B 1/46 (2006.01) B07B 13/16 (2006.01)**
[25] EN
[54] **MOBILE CLASSIFYING OR SCREENING DEVICE**
[54] **DISPOSITIF MOBILE DE CLASSEMENT OU DE TAMISAGE**
[72] PEYFUSS, BURGHARD, AT
[71] NEUSON HYDROTEC GMBH, AT
[85] 2022-09-29
[86] 2021-03-25 (PCT/EP2021/057843)
[87] (WO2021/209245)
[30] AT (A 50322/2020) 2020-04-16

[21] **3,178,459**
[13] A1
[51] **Int.Cl. B01D 53/22 (2006.01) B01D 53/32 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **METHOD FOR ELECTROCHEMICAL HYDROGEN SEPARATION FROM NATURAL-GAS PIPELINES**
[54] **PROCEDE DE SEPARATION ELECTROCHIMIQUE D'HYDROGENE A PARTIR DE CONDUITES DE GAZ NATUREL**
[72] HENSCHEL, CARSTEN, DE
[72] MACHHAMMER, OTTO, DE
[72] FUESSL, ANDREAS, DE
[71] BASF SE, DE
[85] 2022-09-29
[86] 2021-03-26 (PCT/EP2021/058010)
[87] (WO2021/198102)
[30] EP (20166598.1) 2020-03-30

[21] **3,178,461**
[13] A1
[51] **Int.Cl. A01N 63/10 (2020.01) A01N 63/50 (2020.01) A01N 37/46 (2006.01) A61P 31/10 (2006.01) C07K 16/14 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ANTI-FUNGAL POLYPEPTIDES**
[54] **POLYPEPTIDES ANTIFONGIQUES**
[72] BELOGLAZOVA, NATALIA, BE
[72] REVETS, HILDE ADI PIERRETTE, BE
[72] STANSSENS, PATRICK, BE
[72] VAN DAELE, INGE ELODIE, BE
[71] BIOTALYS NV, BE
[85] 2022-09-29
[86] 2021-03-31 (PCT/EP2021/058548)
[87] (WO2021/198396)
[30] EP (20167432.2) 2020-03-31
[30] EP (20218017.0) 2020-12-31

[21] **3,178,463**
[13] A1
[25] EN
[54] **DOWNLINK DATA SENDING METHOD, DOWNLINK DATA RECEIVING METHOD, AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ENVOI DE DONNEES DE LIAISON DESCENDANTE, ET PROCEDE ET APPAREIL DE RECEPTION DE DONNEES DE LIAISON DESCENDANTE**
[72] MA, RUIXIANG, CN
[72] GUAN, LEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-09-29
[86] 2021-04-08 (PCT/CN2021/085979)
[87] (WO2021/204207)
[30] CN (202010281126.6) 2020-04-10

[21] **3,178,465**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 31/04 (2006.01) C07K 14/00 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULE-DRUG CONJUGATES AND USES THEREOF**
[54] **CONJUGUES MOLECULE D'ANTICORPS-MEDICAMENT ET LEURS UTILISATIONS**
[72] VISWANATHAN, KARTHIK, US
[72] JOHNSON, KENNETH DOUGLAS, US
[72] DELANEY, JAMES C., US
[72] TISSIRE, HAMID, US
[72] WOLLACOTT, ANDREW M., US
[72] RAMAKRISHNAN, BOOPATHY, US
[72] PLANTE, OBADIAH JOSEPH, US
[72] KOCH, TYREE J., US
[71] VISTERRA, INC., US
[71] PLANTE, OBADIAH JOSEPH, US
[71] KOCH, TYREE J., US
[85] 2022-09-29
[86] 2021-04-02 (PCT/US2021/025615)
[87] (WO2021/203024)
[30] US (63/004,946) 2020-04-03

[21] **3,178,466**
[13] A1
[51] **Int.Cl. A01N 25/30 (2006.01) A01N 27/00 (2006.01) A01N 31/04 (2006.01) A01N 31/06 (2006.01) A01N 43/20 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITION**
[54] **COMPOSITION AGRICOLE**
[72] EARLY, RYAN C., US
[71] REVOLUTION BIOTECH LLC, US
[85] 2022-09-29
[86] 2021-04-01 (PCT/US2021/025350)
[87] (WO2021/202860)
[30] US (63/005,138) 2020-04-03
[30] US (63/043,633) 2020-06-24

[21] **3,178,467**
[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01) G16B 20/00 (2019.01) G16B 40/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING PIGMENTATION PHENOTYPES**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER LES PHENOTYPES DE PIGMENTATION**
[72] BOYKO, ADAM, US
[72] SAMS, AARON, US
[72] SLAVNEY, ANDREA, US
[72] JENSEN, MEGHAN, US
[72] DEANE, PETRA, US
[72] KAWAKAMI, TAKESHI, US
[71] EMBARK VETERINARY, INC., US
[85] 2022-09-29
[86] 2021-04-01 (PCT/US2021/025433)
[87] (WO2021/202910)
[30] US (63/004,204) 2020-04-02

[21] **3,178,469**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) G06F 15/16 (2006.01)**
[25] EN
[54] **UNIVERSAL ACCESS LAYER FOR ACCESSING HETEROGENEOUS DATA STORES**
[54] **COUCHE D'ACCES UNIVERSELLE PERMETTANT D'ACCEDER A DES MAGASINS DE DONNEES HETEROGENES**
[72] YANG, KEVIN, US
[72] KAMBLE, HRUDAY, US
[72] GUPTA, AVINASH, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2022-09-29
[86] 2021-04-02 (PCT/US2021/025503)
[87] (WO2021/202954)
[30] US (16/838,319) 2020-04-02

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[13] A1
[51] **Int.Cl. A61K 31/407 (2006.01) A61P 1/00 (2006.01) A61P 1/14 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 11/08 (2006.01) A61P 11/10 (2006.01) A61P 17/00 (2006.01) A61P 31/00 (2006.01) A61P 31/02 (2006.01) A61P 35/00 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **MODULATORS OF ALPHA-1 ANTITRYPSIN**
[54] **DERIVES DE PYRANO [4,3-B] INDOLE EN TANT QUE MODULATEURS D'ALPHA-1-ANTITRYPSINE POUR TRAITER UNE DEFICIENCE EN ALPHA-1-ANTITRYPSINE (AATD)**
[72] CLARK, MICHAEL PHILIP, US
[72] GIROUX, SIMON, US
[72] COLLIER, PHILIP NOEL, US
[72] TANG, QING, US
[72] WAAL, NATHAN D., US
[72] KESAVAN, SARATHY, US
[72] JONES, PETER, US
[72] BRODNEY, MICHAEL AARON, US
[72] GU, WENXIN, US
[72] BOUCHER, DIANE MARIE, US
[72] FANNING, LEV T.D., US
[72] HALL, AMY B., US
[72] HURLEY, DENNIS JAMES, US
[72] JOHNSON, JR., MAC ARTHUR, US
[72] MAXWELL, JOHN PATRICK, US
[72] SWETT, REBECCA JANE, US
[72] TAPLEY, TIMOTHY LEWIS, US
[72] THOMSON, STEPHEN A., US
[72] DAMAGNEZ, VERONIQUE, US
[72] COTTRELL, KEVIN MICHAEL, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2022-09-29
[86] 2021-04-02 (PCT/US2021/025601)
[87] (WO2021/203014)
[30] US (63/004,702) 2020-04-03

[21] **3,178,471**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CARRYCOT TO BE DETACHABLY MOUNTED ON A BASE BEING DISMOUNTABLY ATTACHED IN A VEHICLE OR ON A STROLLER FRAME**
[54] **NACELLE DESTINEE A ETRE MONTEE DE MANIERE AMOVIBLE SUR UNE BASE ATTACHEE DE MANIERE DEMONTABLE DANS UN VEHICULE OU SUR UN CADRE DE POUSSETTE**
[72] CHEN, YINGZHONG, CN
[71] BAMBINO PREZIOSO SWITZERLAND AG, CH
[85] 2022-09-29
[86] 2021-05-12 (PCT/EP2021/062629)
[87] (WO2021/228941)
[30] CN (202010406407.X) 2020-05-14

[21] **3,178,472**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ENZYME AND PATHWAY MODULATION WITH SULFHYDRYL COMPOUNDS AND THEIR DERIVATIVES**
[54] **MODULATION D'ENZYME ET DE VOIE AVEC DES COMPOSES SULFHYDRYLE ET LEURS DERIVES**
[72] SHAO, ZHIXIN, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-09-29
[86] 2021-04-23 (PCT/EP2021/060637)
[87] (WO2021/214277)
[30] EP (20171356.7) 2020-04-24

[21] **3,178,473**
[13] A1
[51] **Int.Cl. A01G 23/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REMOTE OR AUTONOMOUS LIGNO HARVESTING AND/OR TRANSPORTATION**
[54] **PROCEDE ET SYSTEME D'ABATTAGE-EBRANCHAGE ET/OU DE TRANSPORT A DISTANCE OU AUTONOME DE BOIS**
[72] ROMAR, MARKUS, SE
[72] GELIN, OLLE, SE
[72] ANDERSSON, MAURITZ, SE
[71] AIRFORESTRY AB, SE
[85] 2022-09-29
[86] 2021-05-27 (PCT/EP2021/064298)
[87] (WO2021/239922)
[30] SE (2050611-9) 2020-05-27
[30] SE (2051336-2) 2020-11-16
[30] EP (PCT/EP2021/063845) 2021-05-25

[21] **3,178,475**
[13] A1
[51] **Int.Cl. A01G 23/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REMOTE OR AUTONOMOUS TREE HARVESTING**
[54] **PROCEDE ET SYSTEME DE RECOLTE A DISTANCE OU AUTONOME D'ARBRES**
[72] ROMAR, MARKUS, SE
[72] GELIN, OLLE, SE
[72] ANDERSSON, MAURITZ, SE
[71] AIRFORESTRY AB, SE
[85] 2022-09-29
[86] 2021-05-27 (PCT/EP2021/064302)
[87] (WO2021/239926)
[30] SE (2050611-9) 2020-05-27
[30] EP (PCT/EP2021/063840) 2021-05-25

[21] **3,178,476**
[13] A1
[51] **Int.Cl. B29C 33/70 (2006.01) B24B 19/14 (2006.01) B24B 27/033 (2006.01) B29C 33/58 (2006.01) B29C 33/72 (2006.01) B29C 33/76 (2006.01) B29D 99/00 (2010.01) B24B 23/08 (2006.01)**
[25] EN
[54] **DEVICE FOR TREATING A MOLD SURFACE, USE OF THE DEVICE, AND METHOD FOR TREATING A MOLD SURFACE**
[54] **DISPOSITIF DE TRAITEMENT D'UNE SURFACE DE MOULE, UTILISATION DU DISPOSITIF ET PROCEDE DE TRAITEMENT D'UNE SURFACE DE MOULE**
[72] ERIKSEN, KELD, DK
[71] KLINGSPOR WINDPOWER APS, DK
[85] 2022-09-29
[86] 2022-02-02 (PCT/EP2022/052507)
[87] (WO2022/171506)
[30] EP (21157072.6) 2021-02-15

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,176,207**
[13] A1
[25] EN
[54] **CONSTRUCTS AND METHODS FOR INCREASING PLANT YIELD OR AGRICULTURAL CHARACTERISTICS OR BOTH**
[54] **CONSTRUCTIONS ET METHODES POUR ACCROITRE LE RENDEMENT DE PLANTES OU LES CARACTERISTIQUES AGRICOLES OU LES DEUX**
[72] GIL, LIDOR, IL
[72] HILMAN, DROR, IL
[72] VAN-OSS PINHASI, RUTH, IL
[72] RIMON KNOPF, RONIT, IL
[72] BROG, YAACOV MICHA, IL
[72] MATARASSO, NOA, IL
[72] PORATY-GAVRA, LIMOR, IL
[72] OFIR-BIRIN, YIFAT LOUBA, IL
[72] GALON WOLFENSON, YAEL, IL
[72] KARCHI, HAGAI, IL
[71] EVOGENE LTD., IL
[22] 2015-08-24
[41] 2016-03-03
[62] 2,958,039
[30] US (62/042,538) 2014-08-27
[30] US (62/114,147) 2015-02-10

[21] **3,177,649**
[13] A1
[25] EN
[54] **METHODS AND MEANS FOR MODULATING FLOWERING TIME IN MONOCOT PLANTS**
[54] **PROCEDES ET MOYENS POUR MODULER LA DUREE DE FLORAISON DE PLANTES MONOCOTYLEDONES**
[72] GEUTEN, KOEN, BE
[72] KAUFMANN, KERSTIN, DE
[72] RUELENS, PHILIP, BE
[71] BASF SE, DE
[22] 2014-07-01
[41] 2015-01-08
[62] 2,917,105
[30] EP (13174566.3) 2013-07-01

[21] **3,177,692**
[13] A1
[25] EN
[54] **MULTISPECIFIC BINDING PROTEINS TARGETING CAIX, ANO1, MESOTHELIN, TROP2, OR CLAUDIN-18.2**
[54] **PROTEINES DE LIAISON MULTISPECIFIQUES CIBLANT CAIX, ANO1, MESOTHELINE, TROP2, OU CLAUDIN-18.2**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] GUTIERREZ, EVA, US
[72] HANEY, WILLIAM, US
[72] LUNDE, BRADLEY M., US
[72] PRINZ, BIANKA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[22] 2018-02-27
[41] 2018-08-30
[62] 3,054,738
[30] US (62/464,347) 2017-02-27
[30] US (62/464,344) 2017-02-27
[30] US (62/464,341) 2017-02-27
[30] US (62/467,557) 2017-03-06
[30] US (62/473,652) 2017-03-20
[30] US (62/473,659) 2017-03-20

[21] **3,177,778**
[13] A1
[51] **Int.Cl. C12N 15/29 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ISOLATED POLYNUCLEOTIDES, POLYPEPTIDES AND METHODS OF USING SAME FOR INCREASING ABIOTIC STRESS TOLERANCE, BIOMASS AND YIELD OF PLANTS**
[54] **POLYNUCLEOTIDES, POLYPEPTIDES ISOLES, ET LEURS PROCEDES D'UTILISATION QUI PERMETTENT D'AUGMENTER LA TOLERANCE AU STRESS ABIOTIQUE, LA BIOMASSE ET LE RENDEMENT DE PLANTES**
[72] DANGOOR, INBAL NURITH, IL
[72] KARCH, HAGAI, IL
[71] EVOGENE LTD., IL
[22] 2013-08-26
[41] 2014-03-06
[62] 2,881,623
[30] US (61/693,392) 2012-08-27
[30] US (61/754,587) 2013-01-20

[21] **3,177,786**
[13] A1
[51] **Int.Cl. A01N 63/50 (2020.01) A01N 3/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **ISOLATED POLYNUCLEOTIDES, POLYPEPTIDES AND METHODS OF USING SAME FOR INCREASING ABIOTIC STRESS TOLERANCE, BIOMASS AND YIELD OF PLANTS**
[54] **POLYNUCLEOTIDES, POLYPEPTIDES ISOLES, ET LEURS PROCEDES D'UTILISATION QUI PERMETTENT D'AUGMENTER LA TOLERANCE AU STRESS ABIOTIQUE, LA BIOMASSE ET LE RENDEMENT DE PLANTES**
[72] DANGOOR, INBAL NURITH, IL
[72] KARCHI, HAGAI, IL
[71] EVOGENE LTD., IL
[22] 2013-08-26
[41] 2014-03-06
[62] 2,881,623
[30] US (61/693,392) 2012-08-27
[30] US (61/754,587) 2013-01-20

[21] **3,177,802**
[13] A1
[51] **Int.Cl. C22C 21/00 (2006.01) B21C 23/00 (2006.01) B21C 23/18 (2006.01) C22F 1/04 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOY FOR IMPACT EXTRUDED CONTAINERS AND METHOD OF MAKING THE SAME**
[54]
[72] SILES, JOHN L., US
[72] MELANCON, SAMUEL, CA
[72] PLATEK, STANLEY, US
[72] CHATEY, ANTHONY, CS
[71] BALL CORPORATION, US
[22] 2016-12-30
[41] 2018-07-05
[62] 3,048,957

[21] **3,177,820**
[13] A1
[51] **Int.Cl. B25J 9/18 (2006.01) A61B 34/37 (2016.01) B25J 3/04 (2006.01) B25J 13/02 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **INSTRUMENT COLLISION DETECTION AND FEEDBACK**
[54] **DETECTION DE COLLISION D'INSTRUMENT ET RETROACTION**
[72] CAMERON, PETER, US
[71] TITAN MEDICAL INC., CA
[22] 2015-12-15
[41] 2016-11-10
[62] 2,984,092
[30] US (62/156,049) 2015-05-01

[21] **3,177,829**
[13] A1
[25] EN
[54] **CHIMERIC ANTIGEN AND T CELL RECEPTORS AND METHODS OF USE**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ET RECEPTEURS DE LYMPHOCYTES T ET METHODES D'UTILISATION**
[72] PEREZ, ARIANNE, US
[72] SIEVERS, STUART A., US
[72] RODRIGUEZ, RUBEN ALVAREZ, US
[72] BELK, JONATHAN, US
[71] KITE PHARMA, INC., US
[22] 2019-12-11
[41] 2020-06-18
[62] 3,122,762
[30] US (62/778,893) 2018-12-12

[21] **3,177,833**
[13] A1
[25] EN
[54] **VACCINES FOR INCLUSION BODY HEPATITIS**
[54] **VACCINS CONTRE L'HEPATITE A CORPS D'INCLUSION**
[72] GOMIS, SUSANTHA MUHANDIRAMGE, CA
[72] TIKOO, SURESH KUMAR, CA
[72] OJKIC, DAVOR, CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[71] UNIVERSITY OF GUELPH, CA
[22] 2010-12-15
[41] 2011-06-15
[62] 2,725,435
[30] US (61/286,664) 2009-12-15

[21] **3,177,836**
[13] A1
[25] EN
[54] **NOVEL IMMUNOTHERAPEUTIC MOLECULES AND USES THEREOF**
[54] **NOUVELLES MOLECULES IMMUNOTHERAPEUTIQUES ET UTILISATIONS ASSOCIEES**
[72] O'HEHIR, ROBYN ELIZABETH, AU
[72] ROLLAND, JENNIFER MAY, AU
[72] PRICKETT, SARA RACHEL, AU
[71] ARAVAX PTY LTD, AU
[22] 2013-10-30
[41] 2014-05-08
[62] 2,889,784
[30] AU (2012904780) 2012-10-30

[21] **3,177,838**
[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING MOBILE MATRIX CARRIER SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT DES SYSTEMES DE SUPPORTS MATRICIELS MOBILES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2018-03-20
[41] 2018-09-27
[62] 3,056,892
[30] US (62/473,790) 2017-03-20
[30] US (62/578,030) 2017-10-27

[21] **3,177,841**
[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61M 16/04 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/16 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **APPARATUS FOR USE IN A RESPIRATORY SUPPORT SYSTEM**
[54] **APPAREIL DESTINE A ETRE UTILISE DANS UN SYSTEME D'ASSISTANCE RESPIRATOIRE**
[72] HOLYOAKE, BRUCE GORDON, NZ
[72] OLDFIELD, SAMANTHA DALE, NZ
[72] EVANS, ALICIA JERRAM HUNTER, NZ
[72] SPENCE, CALLUM JAMES THOMAS, NZ
[72] WHITE, CRAIG KARL, NZ
[72] CHEUNG, DEXTER CHI LUN, NZ
[72] PAYTON, MATTHEW JON, NZ
[72] BARRACLOUGH, MICHAEL ROBERT, NZ
[72] SMITH, DANIEL JOHN, NZ
[72] POWELL, KEVIN BLAKE, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2016-03-31
[41] 2016-10-06
[62] 2,980,522
[30] US (62/140,648) 2015-03-31
[30] US (62/196,235) 2015-07-23
[30] US (62/242,549) 2015-10-16

[21] **3,177,844**
[13] A1
[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/04 (2006.01) A61M 16/06 (2006.01) A61M 16/10 (2006.01) A61M 16/16 (2006.01) A61M 16/20 (2006.01) B01D 46/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR USE IN A RESPIRATORY SUPPORT SYSTEM**
[54] **APPAREIL DESTINE A ETRE UTILISE DANS UN SYSTEME D'ASSISTANCE RESPIRATOIRE**
[72] HOLYOAKE, BRUCE GORDON, NZ
[72] OLDFIELD, SAMANTHA DALE, NZ
[72] EVANS, ALICIA JERRAM HUNTER, NZ
[72] SPENCE, CALLUM JAMES THOMAS, NZ
[72] WHITE, CRAIG KARL, NZ
[72] CHEUNG, DEXTER CHI LUN, NZ
[72] PAYTON, MATTHEW JON, NZ
[72] BARRACLOUGH, MICHAEL ROBERT, NZ
[72] SMITH, DANIEL JOHN, NZ
[72] POWELL, KEVIN BLAKE, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2016-03-31
[41] 2016-10-06
[62] 2,980,522
[30] US (62/140,648) 2015-03-31
[30] US (62/196,235) 2015-07-23
[30] US (62/242,549) 2015-10-16

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[72] KANDASAMY, PACHAMUTHU, US
[72] MATSUDA, SHIGEO, US
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[72] CHEUNG, DEXTER CHI LUN, NZ
[72] PATEL, ANIL, NZ
[72] NOURAEI, SEYED AHMAD REZA, NZ
[72] ASSI, MILANJOT SINGH, NZ
[72] BARNES, THOMAS HEINRICH, NZ
[72] EVANS, ALICIA JERRAM HUNTER, NZ
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[72] PAYTON, MATTHEW JON, NZ
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[72] OLDFIELD, SAMANTHA DALE, NZ
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[54] **SYSTEMES AMELIORES POUR THERAPIE VIRALE ONCOLYTIQUE A MEDIATION CELLULAIRE**
[72] FERNANDEZ SANTIDRIAN, ANTONIO, US
[72] NGUYEN, DUONG HOANG, US
[72] DRAGANOV, DOBRIN, US
[71] CALIDI BIOTHERAPEUTICS, INC., US
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[54] **VECTEURS RAAV A EFFICACITE ELEVEE DE TRANSDUCTION, COMPOSITIONS ET METHODES D'UTILISATION**
[72] SRIVASTAVA, ARUN, US
[72] ASLANIDI, GEORGE VLADIMIROVICH, US
[72] VAN VLIET, KIM M., US
[72] AGBANDJE-MCKENNA, MAVIS, US
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[72] GRANDY, KRIS, US
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[54] **PROCEDES DE PRODUCTION DE PLAQUETTES A PARTIR DE CELLULES SOUCHES PLURIPOTENTES, ET COMPOSITIONS ASSOCIEES**
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[72] LU, SHI-JIANG, US
[72] LANZA, ROBERT P., US
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[54] **METHODES ET COMPOSITIONS POUR LES RESEAUX DE DETECTION D'ELECTROLUMINESCENCE**
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[72] JAYARAMAN, JOHN J., US
[72] WANG, TIANHAO, US
[72] BEI, KANG, US
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[72] LEUNG, DOMINIC CHEUK HUNG, CA
[72] DONG, SHIJIE, CN
[72] LUO, PING, CN
[72] CHANG, YING, CN
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[72] HECKMAN, LAURA, US
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[54] **DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES A DES DISPOSITIFS DE SURVEILLANCE D'ANALYTE, ET DISPOSITIFS COMPRENANT LESDITS DISPOSITIFS DE SURVEILLANCE D'ANALYTE**
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[72] TAN, ANNIE, US
[72] TAUB, MARC B., US
[72] DUNN, TIMOTHY C., US
[72] GOLDSMITH, JOEL, US
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[54] **SYSTEMES D'APPAREIL DE DETECTION, DISPOSITIFS ET PROCEDES**
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[72] PERRY, CHRISTOPHER N., US
[72] DEMERS, JASON A., US
[72] TRACEY, BRIAN, US
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[54] **FORMULATIONS PHARMACEUTIQUES D'INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] ATLURI, HARISHA, US
[72] CHONG, CHING WAH, US
[72] KUEHL, ROBERT, US
[72] TAN, HEOW, US
[71] PHARMACYCLICS LLC, US
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[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
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[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE SURVEILLANCE D'INFRASTRUCTURE**
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[72] KEEFE, ROBERT PAUL, US
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[72] KLEIN, TODD MICHAEL, US
[72] WANG, WEI, US
[72] SU, YI-HSUAN, US
[72] STUYVENBERG, IAN, US
[72] MENDONSA, GEMME ROSELLE, US
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[72] JOH, SOOYUN, US
[72] NYLANDER, JAMES ALLAN, US
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[72] HASSANEIN, WALEED, US
[72] BRINGHAM, RICHARD, US
[72] CECERE, GIOVANNI, US
[72] ELBETANONY, AHMED, US
[72] FISHMAN, ROBERT, US
[72] GOFF, LAWRENCE, US
[72] KHAYAL, TAMER, US
[72] KYI, STANLEY, US
[72] NEWELL, SCOTT, US
[72] OCHS, BURT, US
[72] SOUSA, DENNIS, US
[72] TAYLOR, RONALD, US
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[54] **CABLES OPTIQUES DE PETIT DIAMETRE ET RONDS AYANT UNE STRUCTURE DE FIBRES OPTIQUES DE TYPE RUBAN**
[72] CIGNARALE, JOSEPH, US
[72] BAKER, DOUG, US
[72] HASHIMOTO, YOSHIO, US
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[71] AFL TELECOMMUNICATIONS LLC, US
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[72] SEGUIN, MARC-ANDRE, CA
[72] MAZER, JACK S., US
[72] LOISELLE, VINCENT SHEBIB, CA
[72] GAUVIN, JEAN-PHILIPPE, CA
[71] SEGUIN, MARC-ANDRE, CA
[71] MAZER, JACK S., US
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[71] GAUVIN, JEAN-PHILIPPE, CA
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[51] **Int.Cl. E01F 13/00 (2006.01) B23Q 7/05 (2006.01) E01C 23/16 (2006.01) E01F 15/00 (2006.01) E04H 17/16 (2006.01)**
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[54] **JUPE D'ETANCHEITE AURICULAIRE TRANSCATHETER, ANCRAGE ET ATTACHE ET METHODES D'IMPLANTATION**
[72] RAJAGOPAL, VIVEK, US
[72] SARABIA, JAIME EDUARDO, US
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[71] OPUS MEDICAL THERAPIES, LLC, US
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[30] US (62/481,846) 2017-04-05
[30] US (62/509,587) 2017-05-22
[30] US (62/558,315) 2017-09-13

[21] **3,178,035**
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[25] EN
[54] **METHODS FOR TREATING GI TRACT DISORDERS**
[54] **METHODES DE TRAITEMENT D'AFFECTIONS DU TRACTUS DIGESTIF**
[72] DE COLLE, CYRIL, US
[72] PASRICHA, PANKAJ, US
[71] NEUROGASTRX, INC., US
[22] 2013-12-19
[41] 2014-07-03
[62] 2,893,427
[30] US (61/745,734) 2012-12-24

[21] **3,178,041**
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[25] EN
[54] **ENDOPHYTIC MICROBIAL SYMBIONTS IN PLANT PRENATAL CARE**
[54] **SYMBIOTES MICROBIENS ENDOPHYTES EN SOIN PRENATAL DES PLANTES**
[72] VUJANOVIC, VLADIMIR, CA
[72] GERMIDA, JAMES J., CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[22] 2013-02-05
[41] 2014-08-14
[62] 2,899,823

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 9/451 (2018.01)**
[25] EN
[54] **ROAMING OF NOTE-TAKING APPLICATION FEATURES**
[54] **ITINERANCE DES CARACTERISTIQUES D'APPLICATION DE PRISE DE NOTES**
[72] SIMMONS, ALEX J., US
[72] RAMACHANDRAN, ARUN, US
[72] BESSONOV, VLADILEN, US
[72] WALSH, PATRICIA, US
[72] COROB, BRAD, US
[72] STEINBOK, NICOLE, US
[72] LANGE, DONOVAN P., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2013-01-23
[41] 2013-08-01
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[30] US (13/359,509) 2012-01-27

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[51] **Int.Cl. C07D 237/16 (2006.01) A61K 51/04 (2006.01) A61P 9/00 (2006.01) B01J 47/02 (2017.01) C07B 59/00 (2006.01) C07D 311/56 (2006.01) C07D 401/12 (2006.01) C07F 7/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES DE SYNTHESE, ET UTILISATION D'AGENTS D'IMAGERIE**
[72] CESATI, RICHARD, R., US
[72] RADEKE, HEIKE, S., US
[72] PANDEY, SURESH, K., US
[72] PUROHIT, AJAY, US
[72] ROBINSON, SIMON, P., US
[71] LANTHEUS MEDICAL IMAGING, INC., US
[22] 2013-08-09
[41] 2014-02-13
[62] 2,881,001
[30] US (61/682,185) 2012-08-10
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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01)**
[25] EN
[54] **PHARMACEUTICAL PREPARATIONS OF HUMAN RPE CELLS AND USES THEREOF**
[54] **PREPARATIONS PHARMACEUTIQUES DE CELLULES DE RPE HUMAINES ET LEURS UTILISATIONS**
[72] GAY, ROGER, US
[72] KLIMANSKAYA, IRINA, US
[72] LANZA, ROBERT, US
[71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US
[22] 2012-11-14
[41] 2013-05-23
[62] 2,855,941
[30] US (61/559,521) 2011-11-14
[30] US (61/589,741) 2012-01-23
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[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61P 1/06 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **NOVEL LACTIC ACID BACTERIA AND USE THEREOF**
[54] **NOUVELLES BACTERIES LACTIQUES ET LEUR UTILISATION**
[72] KIM, DONG-HYUN, KR
[72] HAN, MYUNG JOO, KR
[71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[71] NAVIPHARM CO, LTD, KR
[22] 2018-01-31
[41] 2018-08-09
[62] 3,052,134
[30] KR (10-2017-0013632) 2017-01-31

[21] **3,178,107**
[13] A1
[51] **Int.Cl. A61M 31/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **CELL ENCAPSULATION DEVICES CONTAINING STRUCTURAL SPACERS**
[54] **DISPOSITIFS D'ENCAPSULATION DE CELLULES CONTENANT DES ESPACEURS STRUCTURELS**
[72] CULLY, EDWARD H., US
[72] ZAMBOTTI, LAUREN, US
[72] PARSONS, BERNADETTE, US
[72] DRUMHELLER, PAUL D., US
[71] W. L. GORE & ASSOCIATES, INC., US
[71] W. L. GORE & ASSOCIATES GMBH, DE
[22] 2017-11-08
[41] 2018-05-17
[62] 3,042,437
[30] US (62/419,148) 2016-11-08
[30] US (15/806,099) 2017-11-07

[21] **3,178,114**
[13] A1
[25] EN
[54] **METHOD OF INCREASING ALPHA-OLEFIN CONTENT**
[54] **PROCEDE D'AUGMENTATION DE LA TENEUR EN ALPHA-OLEFINES**
[72] MILLIGAN, STUART N., US
[71] LIQUIDPOWER SPECIALTY PRODUCTS INC., US
[22] 2018-05-23
[41] 2018-12-13
[62] 3,064,562
[30] US (62/515,975) 2017-06-06
[30] US (15/981,021) 2018-05-16

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS D'ANTIGENE CHIMERIQUES**
[72] ABBOT, STEWART, US
[72] LIANG, BITAO, US
[72] LI, TIANJIAN, US
[71] CELGENE CORPORATION, US
[22] 2013-12-19
[41] 2014-06-26
[62] 2,895,840
[30] US (61/740,113) 2012-12-20
[30] US (61/779,925) 2013-03-13

[21] **3,178,138**
[13] A1
[25] EN
[54] **METHOD OF DIRECTED DIFFERENTIATION PRODUCING CORNEAL ENDOTHELIAL CELLS, COMPOSITIONS THEREOF, AND USES THEREOF**
[54] **PROCEDE DE DIFFERENCIATION DIRIGEE PRODUISANT DES CELLULES ENDOTHELIALES CORNEENNES, LEURS COMPOSITIONS ET LEURS UTILISATIONS**
[72] MCCABE, KATHRYN L., US
[72] LU, SHI-JIANG, US
[72] LANZA, ROBERT P., US
[71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US
[22] 2012-12-06
[41] 2013-06-13
[62] 2,858,173
[30] US (61/567,479) 2011-12-06

[21] **3,178,148**
[13] A1
[51] **Int.Cl. B65G 47/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING SINGULATION OF OBJECTS FOR PROCESSING USING OBJECT MOVEMENT REDISTRIBUTION**
[54] **SYSTEMES ET PROCEDES D'OBTENTION D'UNE SINGULARISATION D'OBJETS POUR TRAITEMENT PAR REDISTRIBUTION DE MOUVEMENT D'OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2018-04-24
[41] 2018-11-01
[62] 3,061,181
[30] US (62/489,121) 2017-04-24

[21] **3,178,149**
[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR ARITHMETIC ENCODING OR ARITHMETIC DECODING**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ARITHMETIQUE OU DE DECODAGE ARITHMETIQUE**
[72] WUEBBOLT, OLIVER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-10-01
[41] 2011-04-14
[62] 3,121,374
[30] EP (09305961.6) 2009-10-09

[21] **3,178,159**
[13] A1
[25] EN
[54] **SECURED CHIP**
[54] **PUCE SECURISEE**
[72] DEKKER, GERARD JOHAN, NL
[71] IRDETO B.V., NL
[22] 2017-06-02
[41] 2017-12-07
[62] 3,026,177
[30] GB (1609781.8) 2016-06-03

[21] **3,178,163**
[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR ARITHMETIC ENCODING OR ARITHMETIC DECODING**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ARITHMETIQUE OU DE DECODAGE ARITHMETIQUE**
[72] WUEBBOLT, OLIVER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-10-01
[41] 2011-04-14
[62] 3,121,374
[30] EP (09305961.6) 2009-10-09

[21] **3,178,166**
[13] A1
[51] **Int.Cl. B25J 15/06 (2006.01) B25J 9/16 (2006.01) B25J 13/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING HIGH FLOW VACUUM ACQUISITION IN AUTOMATED SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE ACQUISITION DE VIDE A HAUT DEBIT DANS DES SYSTEMES AUTOMATISES**
[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 T., 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2016-09-08
[41] 2017-03-16
[62] 2,998,128
[30] US (62/215,489) 2015-09-08
[30] US (62/262,136) 2015-12-02

[21] **3,178,168**
[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR ARITHMETIC ENCODING OR ARITHMETIC DECODING**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ARITHMETIQUE OU DE DECODAGE ARITHMETIQUE**
[72] WUEBBOLT, OLIVER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-10-01
[41] 2011-04-14
[62] 3,121,374
[30] EP (09305961.6) 2009-10-09

[21] **3,178,169**
[13] A1
[51] **Int.Cl. B25J 15/06 (2006.01) B25J 9/16 (2006.01) B25J 13/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING HIGH FLOW VACUUM ACQUISITION IN AUTOMATED SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE ACQUISITION DE VIDE A HAUT DEBIT DANS DES SYSTEMES AUTOMATISES**
[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 T., 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2016-09-08
[41] 2017-03-16
[62] 2,998,128
[30] US (62/215,489) 2015-09-08
[30] US (62/262,136) 2015-12-02

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[13] A1
[51] **Int.Cl. A01K 11/00 (2006.01) A01K 13/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/07 (2006.01)**
[25] EN
[54] **CALF BOLUS**
[54] **BOLUS POUR VEAU**
[72] RETTEDAL, NICHOLAS P., US
[72] WEILNAU, STEPHEN M., US
[72] COCKROFT, SCOTT R., US
[72] JANUS, JOSEPH IV, US
[71] ST REPRODUCTIVE TECHNOLOGIES, LLC, US
[22] 2016-06-10
[41] 2016-12-15
[62] 3,021,293
[30] US (14/738,789) 2015-06-12

[21] **3,178,173**
[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION OF ANALYTE IN WHOLE BLOOD**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE LA CONCENTRATION D'ANALYTE DANS LE SANG TOTAL**
[72] DUBEY, SATISH KUMAR, IN
[72] LAL, ASHISH KUMAR, IN
[72] PRABHU, VISHAL MANJANATH, IN
[72] LEDDEN, DAVID, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[22] 2018-06-07
[41] 2018-12-20
[62] 3,067,020
[30] US (62/520,087) 2017-06-15

[21] **3,178,174**
[13] A1
[51] **Int.Cl. B25J 9/18 (2006.01) B25J 9/16 (2006.01) B25J 15/00 (2006.01) B25J 19/02 (2006.01) B65G 43/00 (2006.01)**
[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] 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2017-02-08
[41] 2017-08-17
[62] 3,117,170
[30] US (62/292,538) 2016-02-08

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[13] A1
[51] **Int.Cl. A61K 31/585 (2006.01) A61K 31/565 (2006.01) A61P 15/18 (2006.01)**
[25] EN
[54] **CONTRACEPTIVE COMPOSITION WITH REDUCED CARDIOVASCULAR EFFECTS**
[54] **COMPOSITION CONTRACEPTIVE PRESENTANT DES EFFETS CARDIOVASCULAIRES REDUITS**
[72] JOST, MAUD, BE
[72] RAUSIN, GLWADYS, BE
[71] ESTETRA SRL, BE
[22] 2019-02-07
[41] 2019-08-15
[62] 3,089,804
[30] EP (18160586.6) 2018-03-07
[30] EP (18155571.5) 2018-02-07

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[13] A1
[51] **Int.Cl. B25J 15/06 (2006.01) B25J 9/18 (2006.01) B25J 13/08 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING HIGH FLOW VACUUM ACQUISITION IN AUTOMATED SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE ACQUISITION DE VIDE A HAUT DEBIT DANS DES SYSTEMES AUTOMATISES**
[72] WAGER, 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 T., 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2016-09-08
[41] 2017-03-16
[62] 2,998,128
[30] US (62/215,489) 2015-09-08
[30] US (62/262,136) 2015-12-02

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[13] A1
[51] **Int.Cl. B65G 47/96 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC PROCESSING OF OBJECTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT UN TRAITEMENT DYNAMIQUE D'OBJETS**
[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, PRSANNA, US
[72] ALLEN,THOMAS, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2016-12-02
[41] 2017-06-08
[62] 3,007,359
[30] US (62/263,050) 2015-12-04
[30] US (62/265,181) 2015-12-09

[21] **3,178,186**
[13] A1
[25] EN
[54] **AERIAL VEHICLE WITH DEPLOYABLE COMPONENTS**
[54] **VEHICULE AERIEN A ELEMENTS DEPLOYABLES**
[72] ALLEY, NICHOLAS R., US
[72] STEELE, JOSHUA L., US
[72] WILLIAMS, JESSE O., US
[72] KUEHME, DANIEL, US
[72] PHILLIPS, JONATHAN C., US
[71] AERA-I INC., US
[22] 2016-04-21
[41] 2017-05-18
[62] 3,005,149
[30] US (62/254,098) 2015-11-11
[30] US (15/092,219) 2016-04-06
[30] US (15/092,237) 2016-04-06
[30] US (15/092,257) 2016-04-06

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[13] A1
[51] **Int.Cl. G01N 11/00 (2006.01) G01N 11/10 (2006.01) G01N 11/14 (2006.01)**
[25] EN
[54] **BLOOD TESTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TEST SANGUIN**
[72] GORIN, MICHAEL M., US
[72] MCCLUSKEY, CORY LEE, US
[72] SCHWAIGER, HUBERT MARTIN, CH
[72] HILLMAN, ROBERT, US
[71] CA CASYSO GMBH, CH
[22] 2016-12-02
[41] 2017-06-08
[62] 3,084,898
[30] US (14/958,890) 2015-12-03

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) G16H 40/67 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **REMOTE MONITORING OF ANALYTE MEASUREMENTS**
[54] **SUIVI A DISTANCE DE MESURES D'ANALYTES**
[72] MENSINGER, MICHAEL ROBERT, US
[72] COHEN, ERIC, US
[72] MAYOU, PHIL, US
[72] REIHMAN, ELI, US
[72] GRUBSTEIN, KATHERINE, US
[72] DRAEGER, RIAN, US
[72] TRAVEN, ANGELA, US
[71] DEXCOM, INC., US
[22] 2013-12-19
[41] 2014-07-03
[62] 2,886,791
[30] US (61/747,717) 2012-12-31
[30] US (13/842,679) 2013-03-15
[30] US (13/843,382) 2013-03-15

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ADVANCING KNOTS**
[54] **DISPOSITIFS ET PROCEDES POUR FAIRE AVANCER DES NOEUDS**
[72] HARRISON, ROBERT, CA
[72] GODARA, NEIL, CA
[72] ARNETT, JEFFERY, US
[72] POPOVICI, ILINCA, CA
[71] ANCHOR ORTHOPEDICS XT INC., CA
[22] 2014-07-09
[41] 2015-07-09
[62] 2,935,477
[30] IB (PCT/IB2014/058026) 2014-01-02

[21] **3,178,196**
[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) G01R 31/00 (2006.01) G07F 17/00 (2006.01) G01N 21/95 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RECYCLING MOBILE PHONES**
[54] **APPAREIL ET PROCEDE PERMETTANT LE RECYCLAGE DE TELEPHONES MOBILES**
[72] BOWLES, MARK, US
[72] LIBRIZZI, MICHAEL, US
[72] VAN ROOYEN, PIETER, US
[72] DUBEN, AHRON, US
[71] ECOATM, LLC, US
[22] 2011-03-13
[41] 2011-09-22
[62] 3,039,716
[30] US (12/727624) 2010-03-19
[30] US (12/785465) 2010-05-23

[21] **3,178,198**
[13] A1
[25] EN
[54] **AERIAL VEHICLE WITH DEPLOYABLE COMPONENTS**
[54] **VEHICULE AERIEN A ELEMENTS DEPLOYABLES**
[72] ALLEY, NICHOLAS, US
[72] STEELE, JOSHUA L., US
[72] WILLIAMS, JESSE O., US
[72] KUEHME, DANIEL, US
[72] PHILLIPS, JONATHAN C., US
[71] AERA-I INC., US
[22] 2016-04-21
[41] 2017-05-18
[62] 3,005,149
[30] US (62/254,098) 2015-11-11
[30] US (15/092,219) 2016-04-06
[30] US (15/092,237) 2016-04-06
[30] US (15/092,257) 2016-04-06

[21] **3,178,212**
[13] A1
[25] EN
[54] **CRYSTALLINE FORMS OF (S)-2-ETHYLBUTYL 2-(((S)-(((2R,3S,4R,5R)-5-(4-AMINOPYRROLO[2,1-F][1,2,4]TRIAZIN-7-YL)-5-CYANO-3,4-DIHYDROXYTETRAHYDROFURAN-2-YL)METHOXY)(PHENOXY)PHOSPHORYL)AMINO)PROPANOATE**
[54] **FORMES CRISTALLINES DE (S) 2 ETHYLBUTYL 2 (((S) (((2R,3S,4R,5R) 5 (4 AMINOPYRROLO[2,1-F][1,2,4]TRIAZINE-7-YL)-5-CYANO-3,4-DIHYDROXYTETRAHYDROFURAN-2 YL)METHOXY)(PHENOXY) PHOSPHOR YL)AMINO)PROPANOATE**
[72] BRAK, KATRIEN, US
[72] CARRA, ERNEST A., US
[72] HEUMANN, LARS V., US
[72] LARSON, NATE, US
[71] GILEAD SCIENCES, INC., US
[22] 2018-04-27
[41] 2018-11-08
[62] 3,059,777
[30] US (62/492,364) 2017-05-01

[21] **3,178,216**
[13] A1
[51] **Int.Cl. A61M 60/419 (2021.01)**
[25] EN
[54] **CATHETER DEVICE**
[54] **MECANISME DE CATHETER**
[72] PFEFFER, JOACHIM, GEORG, DE
[72] SCHMITZ-RODE, THOMAS, DE
[72] GUNTHER, ROLF W., DE
[71] AIS GMBH AACHEN INNOVATIVE SOLUTIONS, DE
[22] 2008-08-27
[41] 2009-04-16
[62] 3,020,250
[30] EP (07019658.9) 2007-10-08

[21] **3,178,221**
[13] A1
[51] **Int.Cl. B65G 47/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING SINGULATION OF OBJECTS FOR PROCESSING USING OBJECT MOVEMENT REDISTRIBUTION**
[54] **SYSTEMES ET PROCEDES D'OBTENTION D'UNE SINGULARISATION D'OBJETS POUR TRAITEMENT PAR REDISTRIBUTION DE MOUVEMENT D'OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, 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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2018-04-24
[41] 2018-11-01
[62] 3,061,181
[30] US (62/489,121) 2017-04-24

[21] **3,178,222**
[13] A1
[51] **Int.Cl. B07C 3/00 (2006.01) B07C 3/02 (2006.01) B07C 3/14 (2006.01) B65G 47/96 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC PROCESSING OF OBJECTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT UN TRAITEMENT DYNAMIQUE D'OBJETS**
[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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2016-12-02
[41] 2017-06-08
[62] 3,007,359
[30] US (62/263,050) 2015-12-04
[30] US (62/265,181) 2015-12-09

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[13] A1
[51] **Int.Cl. B65D 1/34 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **CONTAINER HAVING A RETAINED, EXTERNALLY DISPLACEABLE DRAIN INSERT**
[54] **CONTENANT DOTE D'UN INSERT DE VIDANGE RETENU, DEPLACABLE A L'EXTERIEUR**
[72] WALLACE, MILLARD F., US
[71] CONVERTER MANUFACTURING, LLC, US
[22] 2017-01-31
[41] 2017-06-08
[62] 3,021,264
[30] US (62/261,413) 2015-12-01

[21] **3,178,229**
[13] A1
[51] **Int.Cl. F01D 5/10 (2006.01) F01D 25/06 (2006.01) F04D 29/26 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **ROTOR ASSEMBLY AND ROTATING MACHINE**
[54] **ENSEMBLE ROTOR ET MACHINE ROTATIVE**
[72] TOMII, MASAYUKI, JP
[72] AKIMOTO, KENTARO, JP
[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
[22] 2019-07-17
[41] 2020-04-02
[62] 3,113,593
[30] JP (2018-180172) 2018-09-26

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) A61K 38/57 (2006.01)**
[25] EN
[54] **UTI FUSION PROTEINS**
[54] **PROTEINES DE FUSION D'UTI**
[72] CHAMBERLAIN, AARON, US
[72] LIU, QIANG, US
[72] SCHMIDT, MATHIAS, US
[71] TAKEDA GMBH, DE
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[22] 2015-02-23
[41] 2015-08-27
[62] 2,939,639
[30] US (61/943,617) 2014-02-24

[21] **3,178,262**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **TRANSCATHETER DEPLOYMENT SYSTEMS AND ASSOCIATED METHODS**
[54] **SYSTEMES DE DEPLOIEMENT PAR TRANSCATHETER ET PROCEDES ASSOCIES**
[72] ARCARO, DAVID J., US
[72] ALGER, JASON T., US
[72] DIENNO, DUSTIN V., US
[72] HAARER, JOSHUA C., US
[72] HOOPINGARNER, EDWARD J., US
[72] NORRIS, PATRICK M., US
[72] SMITH, BENJAMIN A., US
[72] BAYKOVA, OLGA, US
[72] JACOBY, RUSSELL L., US
[71] W. L. GORE & ASSOCIATES, INC., US
[22] 2018-09-12
[41] 2019-05-09
[62] 3,078,473
[30] US (62/579,756) 2017-10-31
[30] US (62/579,762) 2017-10-31
[30] US (62/682,692) 2018-06-08
[30] US (16/129,657) 2018-09-12

[21] **3,178,267**
[13] A1
[25] EN
[54] **LASER MODULE FOR OPTICAL DATA COMMUNICATION SYSTEM**
[54] **MODULE LASER POUR SYSTEME DE COMMUNICATION OPTIQUE DE DONNEES**
[72] SUN, CHEN, US
[72] MEADE, ROY EDWARD, US
[72] WADE, MARK, US
[72] WRIGHT, ALEXANDRA, US
[72] STOJANOVIC, VLADIMIR, US
[72] RAM, RAJEEV, US
[72] POPOVIC, MILOS, US
[72] ORDEN, VAN DEREK, US
[71] AYAR LABS, INC., US
[22] 2017-07-14
[41] 2018-01-18
[62] 3,030,736
[30] US (62/362,551) 2016-07-14

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[13] A1
[51] **Int.Cl. B07B 7/00 (2006.01) B02B 3/12 (2006.01) B02B 5/02 (2006.01) B02C 9/04 (2006.01) B02C 23/08 (2006.01) B02C 23/10 (2006.01) B07B 9/02 (2006.01)**
[25] EN
[54] **DRY MATERIAL FRACTIONATION USING ACCELERATORS**
[54] **FRACTIONNEMENT DE MATERIAU SEC AU MOYEN D'ACCELERATEURS**
[72] FITZGERALD, JOSEPH R., US
[71] SHOCKWAVE ABF LLC, US
[22] 2015-08-28
[41] 2016-03-03
[62] 2,962,563
[30] US (62/043,509) 2014-08-29
[30] US (14/684,915) 2015-04-13

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **PROSTHETIC VALVE WITH EXPANDABLE FRAME AND ASSOCIATED SYSTEMS AND METHODS**
[54] **VALVULE PROTHETIQUE A CADRE EXTENSIBLE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] ARCARO, DAVID J., US
[72] DERRYBERRY, KEVIN J., US
[72] DIENNO, DUSTIN V., US
[72] FIELD, EDWIN W., US
[72] FINNEY, BILL R., US
[72] HAARER, JOSHUA C., US
[72] HAGAMAN, LOGAN R., US
[72] HARTMAN, CODY L., US
[72] JACOBY, RUSSELL L., US
[72] MANYGOATS, ROY, JR, US
[72] PROBERT, STEPHEN, US
[72] SMITH, BENJAMIN A., US
[72] HILTON, ANDREW P., US
[72] BAYKOVA, OLGA, US
[72] ALGER, JASON T., US
[71] W. L. GORE & ASSOCIATES, INC., US
[22] 2018-09-12
[41] 2019-04-04
[62] 3,072,814
[30] US (62/564,031) 2017-09-27
[30] US (62/579,759) 2017-10-31
[30] US (62/682,685) 2018-06-08
[30] US (16/129,647) 2018-09-12

[21] **3,178,273**
[13] A1
[51] **Int.Cl. G07C 1/30 (2006.01) G07F 17/24 (2006.01)**
[25] EN
[54] **SINGLE SPACE PARKING METER**
[54] **PARCOMETRE POUR ESPACE UNIQUE**
[72] MACKAY, GEORGE ALLAN, CA
[72] MACKAY, JAMES GEORGE, CA
[72] O'NEIL, ADRIAN IGNATIUS, CA
[72] COSH, ROBERT STEVEN, CA
[72] CAMERON, DARREN SCOTT, CA
[72] CHAUVIN, GREGORY EMILE, CA
[72] MCMULLIN, DAVID ANDREW, CA
[72] BROWN, MICHAEL, CA
[72] WATSON, MATTHEW, CA
[71] J.J. MACKAY CANADA LIMITED, CA
[22] 2015-10-16
[41] 2017-02-11
[62] 2,908,793
[30] CA (2,900,177) 2015-08-11

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[13] A1
[51] **Int.Cl. G07C 1/30 (2006.01) G07F 17/24 (2006.01)**
[25] EN
[54] **SINGLE SPACE PARKING METER**
[54] **PARCOMETRE POUR ESPACE UNIQUE**
[72] MACKAY, GEORGE ALLAN, CA
[72] MACKAY, JAMES GEORGE, CA
[72] O'NEIL, ADRIAN IGNATIUS, CA
[72] COSH, ROBERT STEVEN, CA
[72] CAMERON, DARREN SCOTT, CA
[72] CHAUVIN, GREGORY EMILE, CA
[72] MCMULLIN, DAVID ANDREW, CA
[72] BROWN, MICHAEL, CA
[72] WATSON, MATTHEW, CA
[71] J.J. MACKAY CANADA LIMITED, CA
[22] 2015-10-16
[41] 2017-02-11
[62] 2,908,793
[30] CA (2,900,177) 2015-08-11

[21] **3,178,279**
[13] A1
[51] **Int.Cl. G07F 17/24 (2006.01) G06Q 20/32 (2012.01) G07C 1/30 (2006.01)**
[25] EN
[54] **PARKING METER WITH CONTACTLESS PAYMENT**
[54] **PARCOMETRE AVEC METHODE DE PAIEMENT SANS CONTACT**
[72] MACKAY, GEORGE ALLAN, CA
[72] CHAUVIN, GREGORY EMILE, CA
[71] J.J. MACKAY CANADA LIMITED, CA
[22] 2011-10-28
[41] 2012-09-03
[62] 2,756,489
[30] CA (2,733,110) 2011-03-03

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[13] A1
[25] EN
[54] **SWITCHABLE CAS9 NUCLEASES AND USES THEREOF**
[54] **NUCLEASES CAS9 COMMUTABLES ET LEURS UTILISATIONS**
[72] LIU, DAVID R., US
[72] HU, JOHNNY HAO, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[22] 2014-09-05
[41] 2015-03-12
[62] 2,923,411
[30] US (61/874,682) 2013-09-06
[30] US (14/326,329) 2014-07-08
[30] US (14/326,340) 2014-07-08
[30] US (14/326,361) 2014-07-08

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[13] A1
[51] **Int.Cl. A61K 31/585 (2006.01) A61P 15/18 (2006.01)**
[25] EN
[54] **METHOD FOR THE MANAGEMENT OF DYSMENORRHEA AND MENSTRUAL PAIN**
[54] **METHODE DE PRISE EN CHARGE DE LA DYSMENORRHEE ET DES DOULEURS MENSTRUELLES**
[72] JOST, MAUD, BE
[72] RAUSIN, GLWADYS, BE
[71] ESTETRA SRL, BE
[22] 2016-10-28
[41] 2018-04-12
[62] 3,041,016

[21] **3,178,293**
[13] A1
[51] **Int.Cl. H04L 43/0823 (2022.01) H04L 43/04 (2022.01) H04L 43/06 (2022.01) H04L 43/0829 (2022.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MONITORING A SERVICE PROVIDED OVER A PACKET-SWITCHED NETWORK**
[54] **PROCEDES ET SYSTEMES POUR CONTROLER UN SERVICE FOURNI SUR UN RESEAU A COMMUTATION DE PAQUETS**
[72] DESROCHES, MICHAEL H., CA
[71] BCE INC., CA
[22] 2011-07-12
[41] 2012-12-27
[62] 3,085,915
[30] US (61/363,441) 2010-07-12
[30] US (61/391,974) 2010-10-11

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **TEM8 ANTIBODIES AND THEIR USE**
[54] **ANTICORPS TEM8 ET LEUR UTILISATION**
[72] DIMITROV, DIMITER, US
[72] ZHU, ZHONGYU, US
[72] ST. CROIX, BRAD, US
[72] ZUDAIRE, ENRIQUE, US
[72] SAHA, SAURABH, US
[72] ZHANG, XIAOYAN MICHELLE, US
[72] DECRESCENZO, GARY, US
[72] WELSCH, DEAN, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[71] BIOMED VALLEY DISCOVERIES, INC., US
[22] 2014-10-13
[41] 2015-04-16
[62] 2,925,393
[30] US (61/889,958) 2013-10-11

[21] **3,178,303**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01)**
[25] EN
[54] **TIRE DRESSING MACHINE AND APPLICATION METHOD**
[54] **MACHINE D'APPLICATION D'ENDUIT POUR PNEU ET PROCEDE D'APPLICATION**
[72] ANDERSON, PETER J., US
[72] HOWARD, CHARLES ANDREW, US
[71] HOWCO, INC., US
[22] 2018-05-09
[41] 2018-11-15
[62] 3,062,625
[30] US (62/504,314) 2017-05-10
[30] US (15/973,942) 2018-05-08

[21] **3,178,317**
[13] A1
[25] EN
[54] **ODOR CONTROL COMPOSITION AND CARPET HAVING A DURABLE ODOR CONTROL PROPERTY**
[54] **COMPOSITION DESODORISANTE DE LUTTE CONTRE LES MAUVAISES ODEURS ET TAPIS AYANT UNE PROPRIETE DE LUTTE CONTRE LES MAUVAISES ODEURS**
[72] HA, MAI LE PHUONG, US
[72] WELCH, KAREN TERRY, US
[72] MOURAO, BRUNO MICHAEL, US
[72] SLOAN, GINA PARISE, US
[71] MICROBAN PRODUCTS COMPANY, US
[22] 2018-10-11
[41] 2019-04-18
[62] 3,079,149
[30] US (62/570,786) 2017-10-11
[30] US (16/156,258) 2018-10-10

[21] **3,178,322**
[13] A1
[25] EN
[54] **CALL CLASSIFICATION THROUGH ANALYSIS OF DTMF EVENTS**
[54] **CLASSIFICATION D'APPEL PAR ANALYSE D'EVENEMENTS DTMF**
[72] GAUBITCH, NICK, US
[72] STRONG, SCOTT, US
[72] CORNWELL, JOHN, US
[72] KINGRAVI, HASSAN, US
[72] DEWEY, DAVID, US
[71] PINDROP SECURITY, INC., US
[22] 2017-08-01
[41] 2018-02-08
[62] 3,032,807
[30] US (62/370,122) 2016-08-02
[30] US (62/370,135) 2016-08-02
[30] US (15/600,625) 2017-05-19

[21] **3,178,326**
[13] A1
[25] EN
[54] **PIPE CONNECTOR WITH TAPERED THREAD NUT**
[54] **RACCORD DE TUYAU A ECROU FILETE CONIQUE**
[72] OSTEEN, WILLIAM CLINTON, US
[72] SUCCURRO, DAVIDE, US
[71] RELIANCE WORLDWIDE CORPORATION, US
[22] 2018-04-23
[41] 2018-11-01
[62] 3,052,495
[30] US (62/489,165) 2017-04-24

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[13] A1
[51] **Int.Cl. B05B 7/24 (2006.01) B05B 7/04 (2006.01) B08B 3/02 (2006.01) C11D 7/54 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **A FORMULATION DELIVERY SYSTEM HAVING A SOLID CHEMISTRY**
[54] **SYSTEME DE DISTRIBUTION DE FORMULATION AYANT UNE COMPOSITION CHIMIQUE SOLIDE**
[72] PETKUS, MATTHEW MICHAEL, US
[72] KAVCHOK, KEVIN ANDREW, US
[72] FARMER, RACHEL ANN, US
[72] JOHNSON, ELIZABETH, US
[72] BYRD, ALANA, US
[71] W.M. BARR & COMPANY, INC., US
[22] 2020-12-17
[41] 2021-06-24
[62] 3,162,297
[30] US (62/951,376) 2019-12-20
[30] US (63/108,597) 2020-11-02
[30] US (63/108,619) 2020-11-02
[30] US (17/124,215) 2020-12-16

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[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR FLUORESCENCE LIFETIME BASED SEQUENCING**
[54] **PROCEDE ET SYSTEME DE SEQUENCAGE REPOSANT SUR LA DUREE DE VIE DE FLUORESCENCE**
[72] FINKELSTEIN, HOD, US
[72] TREPAGNIER, ELIANE H., US
[72] ZHONG, CHENG FRANK, US
[71] ILLUMINA, INC., US
[22] 2013-03-08
[41] 2014-02-27
[62] 3,040,684
[30] US (61/684,984) 2012-08-20

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **STATUS SENSING SYSTEM FOR INJECTION DEVICE**
[54] **SYSTEME DE DETECTION D'ETAT POUR DISPOSITIF D'INJECTION**
[72] KOURTIS, LAMPROS, US
[72] PSZENNY, SEAN MATTHEW, US
[72] REGELE, OLIVER BRIAN, US
[71] ELI LILLY AND COMPANY, US
[22] 2019-04-12
[41] 2019-10-24
[62] 3,096,833
[30] US (62/659,883) 2018-04-19

[21] **3,178,358**
[13] A1
[51] **Int.Cl. A61B 1/12 (2006.01) A61B 1/00 (2006.01) A61M 1/00 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **CHANNEL DEVICE FOR A SCOPE ASSEMBLY**
[54] **ENSEMBLE ENDOSCOPE**
[72] BUCH, JUSTIN WAVELL ROSENFELDER, GB
[72] GHANBAR, HANIF, GB
[72] WALLEY, NEIL, GB
[71] CIPHER SURGICAL LIMITED, GB
[22] 2017-07-21
[41] 2018-01-25
[62] 3,031,464
[30] GB (1612647.6) 2016-07-21

[21] **3,178,363**
[13] A1
[25] EN
[54] **HUMAN PLACENTAL COLLAGEN COMPOSITIONS, AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS DE COLLAGENE DE PLACENTA HUMAIN ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLES-CI**
[72] BHATIA, MOHIT, US
[72] LUGO, CHRIS, US
[72] YE, QIAN, US
[72] EDINGER, JAMES W., US
[71] CELULARITY INC., US
[22] 2007-10-09
[41] 2008-05-15
[62] 2,665,369
[30] US (60/850,131) 2006-10-06

[21] **3,178,366**
[13] A1
[25] EN
[54] **GIP/GLP1 CO-AGONIST COMPOUNDS**
[54] **COMPOSES CO-AGONISTES DE GIP/GLP1**
[72] ABRAHAM, MILATA MARY, US
[72] ABURUB, AKTHAM, US
[72] ALSINA-FERNANDEZ, JORGE, US
[72] BROWN, ROBERT ANDREW, US
[72] CABRERA, OVER, US
[72] COSKUN, TAMER, US
[72] CUMMINS, ROBERT CHADWICK, US
[72] DATTA-MANNAN, AMITA, US
[72] ELSAYED, MOHAMED ELSAYED HAMED, US
[72] LAI, XIANYIN, US
[72] PATEL, PHENIL JAYANTILAL, US
[72] QU, HONGCHANG, US
[72] SLOOP, KYLE WYNN, US
[72] TRAN, THI THANH HUYEN, US
[72] WALLIS, JAMES LINCOLN, US
[72] WILLARD, FRANCIS STAFFORD, US
[71] ELI LILLY AND COMPANY, US
[22] 2019-07-22
[41] 2020-01-30
[62] 3,107,345
[30] US (62/702,072) 2018-07-23
[30] US (62/730,563) 2018-09-13
[30] US (62/740,596) 2018-10-03

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61K 35/76 (2015.01) A61K 48/00 (2006.01) A61P 7/00 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **TMPRSS6 IRNA COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE TMPRSS6 ET METHODES D'UTILISATION DE CES COMPOSITIONS**
[72] BUTLER, JAMES, US
[72] BETTENCOURT, BRIAN, US
[72] RAJEEV, KALLANTHOTTATHIL G., US
[72] MAIER, MARTIN, US
[72] CHARISSE, KLAUS, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[22] 2014-05-22
[41] 2014-11-27
[62] 2,912,834
[30] US (61/826,178) 2013-05-22
[30] US (61/912,988) 2013-12-06

[21] **3,178,377**
[13] A1
[25] EN
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[72] MITCHELL, ELIZABETH, CA
[72] KEARNS, WILLIAM, CA
[72] EDWARDS, CHRISTOPHER, CA
[72] STEPHENS, RICK, US
[71] CALIFORNIA INNOVATIONS INC., CA
[22] 2016-04-06
[41] 2017-10-05
[62] 2,926,290
[30] US (15/091,189) 2016-04-05

[21] **3,178,379**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) C07K 14/755 (2006.01) C12N 7/00 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS FACTOR VIII VECTORS**
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[72] MCINTOSH, JENNY, GB
[72] TUDDENHAM, EDWARD, GB
[72] DAVIDOFF, ANDREW, GB
[71] BIOMARIN PHARMACEUTICAL INC., US
[71] UNIVERSITY COLLEGE LONDON, GB
[71] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, US
[22] 2014-09-10
[41] 2015-03-19
[62] 2,921,232
[30] US (61/877,042) 2013-09-12

[21] **3,178,384**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) C07K 14/755 (2006.01) C12N 7/00 (2006.01) C12N 15/12 (2006.01)**
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[41] 2015-03-19
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[30] US (61/877,042) 2013-09-12

[21] **3,178,388**
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[54] **VACCINS VIRAUX STABLES, LIQUIDES**
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[72] QIAO, ZHISONG, NL
[71] INTERVET INTERNATIONAL B.V., NL
[22] 2013-08-16
[41] 2014-02-27
[62] 2,879,733
[30] US (61/691,507) 2012-08-21
[30] US (61/777,164) 2013-03-12

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[51] **Int.Cl. A01C 7/18 (2006.01) A01B 76/00 (2006.01)**
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[54] **SURVEILLANCE ET CARTOGRAPHIE D'APPLICATIONS AGRICOLES**
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[72] STUBER, JAKOB, US
[71] CLIMATE LLC, US
[22] 2013-08-12
[41] 2014-02-13
[62] 2,880,570
[30] US (61/682,074) 2012-08-10
[30] US (61/738,292) 2012-12-17

[21] **3,178,452**
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[25] EN
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[22] 2013-11-14
[41] 2014-05-22
[62] 2,890,755
[30] US (61/726,893) 2012-11-15
[30] US (61/769,408) 2013-02-26

[21] **3,178,499**
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[25] EN
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[72] PHAM, EDWARD A., US
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[22] 2016-06-30
[41] 2017-01-05
[62] 2,989,634
[30] US (62/187,061) 2015-06-30

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LI, YUEMING 3,169,763
LI, YUNBO 3,170,271
LIANG, DANDAN 3,170,271
LIANG, MING 3,170,637
LIANG, SHUANG 3,170,759
LIANG, TONY 3,170,434
LIANG, ZHANG 3,172,810
LIAO, RENJIE 3,170,637
LIFE & BRAIN GMBH 3,170,882
LIM, C. JIM 3,178,131
LIM, YONG TAIK 3,170,551
LIMBACH, KIRK W. 3,171,056
LIMPHONG, PATTRARANEE 3,169,889
LIN, HUA-YANG 3,170,553
LIN, JIAXIN 3,170,024
LIN, LING 3,171,042
LINDBERG, BRAENDON R. 3,170,470
LINSCHEID, PHILIPPE 3,170,688
LIPARI, JEFF 3,170,311
LIPOID GMBH 3,169,847
LITTLE, PAUL 3,171,130
LIU, CHAU-CHING 3,170,448
LIU, DEAN MO 3,170,761
LIU, FANG FANG 3,169,799
LIU, FANGYU 3,169,872
LIU, JIANHONG 3,170,549
LIU, JIANHONG 3,170,556
LIU, QI 3,170,423
LIU, SHIPING 3,171,017
LIU, SONGYIN 3,169,799
LIU, XIAOLIN 3,178,453
LIU, YUHANG 3,170,900
LIU, ZHE 3,170,288
LLOMBART GAVALDA, JUAN JOSE 3,170,935
LOBANOV, SERGEY 3,170,427
LOCKE, ANDREW S. 3,177,585
LOCKE, ANDREW S. 3,177,645
LOCUS ROBOTICS CORP. 3,170,749
LOFTUS, PETER J. 3,177,872
LOGIC IP AG 3,169,877
LOK, LUK KA 3,171,120
LOO, KENT CHILL 3,170,442
LOOLOOPS, LLC 3,170,442
LOPEZ MOYA, MARIO 3,170,071
LOPEZ, FERNANDO ROMO 3,170,457
LOPEZ, FRANCISCO G. 3,178,444
LORINCZ, THOMAS 3,169,897
LOSADA GONZALEZ, ALEJANDRO 3,169,544
LOUGHREY, JONATHAN 3,170,562
LOUTHERBACK, KEVIN D. 3,170,874
LOWE, JR. RANDALL D. 3,170,874
LOWY, ISRAEL 3,170,208
LOWY, ISRAEL 3,170,733
LU, GUI-YANG 3,170,738
LU, JUNYING 3,170,595
LU, MINGZHU 3,169,929
LU, XIANGYUN 3,170,611
LUBBEN, JAN-EIKE 3,170,309
LUCZYNSKI, MARCIN 3,170,205
LUI, YUAN JENQ 3,170,043
LUI, YUAN JENQ 3,170,058
LUO, YUNFU 3,170,620
LUSE, HAYDEN THOMAS 3,170,599
LY, CUONG 3,177,022
LYKKEN, THOMAS G. 3,171,078
LYNCH, IYAM 3,178,150
LYNCH, IYAM 3,178,152
LYNGSTADAAS, STALE PETTER 3,170,944
LYNGSTADAAS, STALE PETTER 3,170,947
LYONDELLBASELL ADVANCED POLYMERS INC. 3,170,537
MA, HONGJUAN 3,170,759
MA, RUIXIANG 3,178,463
MA, YIPING 3,170,431
MAATTANEN, HELKA-LIINA 3,177,853
MABE, ANDREW NEIL (DECEASED) 3,170,751
MABE, ANDREW NEIL (DECEASED) 3,171,132
MAC COMPANY, LLC 3,171,078
MACALLISTER, THOMAS 3,169,944
MACALLISTER, THOMAS 3,170,073
MACHADO, ALEXANDRE DE MAGALHAES VIEIRA 3,170,269
MACHHAMMER, OTTO 3,178,459
MACKENZIE, LAUREN PEPPER 3,178,308
MACNAUGHT PTY LTD 3,170,262
MADDEN, HENRY 3,170,907
MAGNA EXTERIORS INC 3,170,470
MAHER, M. CYRUS 3,170,277
MAHMUD, ALAM 3,170,475
MALCHEV, HRISTO 3,177,585
MALCHEV, HRISTO 3,177,645
MALCISBO AG 3,170,889
MALDONADO, JEFFERSON 3,170,062
MALENOVSKY, VLADIMIR 3,170,065
MALIK, AJAY 3,169,929
MAN, CHEUNG YIK 3,171,120
MANHIRE, JEFFREY B. 3,170,470
MANI, RAMESH KUMAR 3,170,544
MANNARINO, MATTHEW M. 3,170,732
MANOS, THIERRY 3,170,879
MAPLES, AUSTIN 3,170,497
MARBAN, LINDA 3,170,493
MARBAN, LINDA 3,171,092
MARINE, GINTARE 3,170,767
MARINKOVICH, SAVA 3,177,620
MARINKOVICH, SAVA 3,177,985
MARIVOET, KIM 3,170,220
MARKESBERY BLUE PEARL LLC 3,170,617
MARKESBERY, W. RUSSELL 3,170,617
MARKEY, DIANE 3,171,037
MARLEY, KEVIN A. 3,170,883
MARQUET CORTES, JORGE 3,178,456
MARRON, THOMAS 3,170,208
MARSZALEK, ILONA 3,171,100
MARTEL, FREDERIC 3,170,235
MARTIN, CYRIL 3,170,502
MARTIN, JOSEPH 3,159,298
MARTIN, VINCENT 3,170,911
MARTIN, VINCENT 3,171,005
MARTINBOROUGH, ESTHER 3,170,064
MARTINEZ ALEJO, JUAN 3,170,935
MARTINEZ-SOBRIDO, LUIS 3,170,570
MARTINSON, ROBERT MICHAEL 3,169,821
MARVEL BIOTECHNOLOGY 3,170,917
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,170,080
MATHEWS-AJENDRA, MONA ANN 3,170,882
MATIAN, MARDIT 3,170,259
MATILAINEN, LAURA 3,170,261
MATSUMOTO, MASATOSHI 3,171,098
MATSUMURA, YASUHIRO 3,173,263
MATUSZ, DAVE 3,170,877
MAXILODA LIMITED 3,171,123
MAXWELL, JOHN PATRICK 3,178,470
MAY, JOSHUA 3,171,189
MAYDAR, YANIV 3,171,027
MAYS, WILLIAM C. 3,171,115
MAZOUE, THIBAUD 3,169,873
MCALLISTER, BROCK 3,170,062
MCCLANAHAN, DAVID NEIL 3,169,002
MCCORMICK, BRUCE 3,170,774
MCCOY, JAY 3,171,094
MCCRADY, JOHN 3,170,922
MCGERTY, OSCAR ELLIOT JAMES 3,170,230
MCGRATH, MICHAEL J. 3,170,732
MCGUCKIN, JEFFREY P. 3,177,620
MCININCH, JAMES D. 3,178,304
MCINTYRE, KATHERINE 3,170,847
MCMYN, LISA CHARLESTON 3,170,258
MCSTRAVICK, STEVE 3,170,691
MCWADE, MELANIE 3,170,707
MEDIVIEW XR, INC. 3,170,280
MEE, MICHAEL TRAVIS 3,178,308
MEECH, JULIO DEREK 3,170,230
MEFFERT, RYAN 3,171,048
MEGERLE, BENJAMIN 3,171,108

MEHTA, NIKITA PIYUSH 3,170,902
MEHTA, ROHIT V. 3,171,096
MEILLEUR, SERGE 3,178,142
MELENTYEV, ANDREY 3,171,133
MELTON, NATASHA G. 3,170,604
MENDER, ILGEN 3,170,930
MENESES, MATTHEW Y. 3,178,160
MENTZEL, TOBIAS 3,170,923
MERAD, MIRIAM 3,170,208
MERCIER, FABRICE 3,170,074
MERCIER, FABRICE 3,170,082
MESOBLAST INTERNATIONAL SARL 3,170,255
MESOBLAST INTERNATIONAL SARL 3,170,915
MESOBLAST INTERNATIONAL SARL 3,170,918
MESSIAS, SARAH GIAROLA DA SILVA 3,170,269
METABOLOMIC DIAGNOSTICS LIMITED 3,169,905
METADATIA TECHNOLOGIES S.L. 3,170,935
METANOI THERAPEUTICS, INC. 3,178,156
METSALA, HENRI 3,170,261
MIAO, XIAONIU 3,178,453
MICHELSEN, LARISSA GRACE 3,170,230
MILLER, ELIZABETH 3,170,208
MILLER, JUSTIN 3,170,445
MILLER, JUSTIN 3,170,450
MILLER, STEPHEN 3,168,992
MILLON, OLIVER PETER GUNTER 3,161,700
MILLS, KEVIN 3,170,467
MINAGAWA, EMI 3,177,859
MISAGHI, SHAHRAM 3,169,908
MISHCHENKO, KATERYNA 3,172,676
MITRA, SUMAN 3,170,910
MITSUMOTO, MASANORI 3,170,397
MIYACHI, HIROTAKA 3,170,273
MIYANAGA, HIROSHI 3,169,915
MIZUTA, KOHEI 3,170,397
MODERN MEADOW, INC. 3,170,274
MODJARRAD, KAYVON 3,170,575
MOHAND-KACI, SOUFIANE 3,178,160
MOHR, ANDREAS 3,170,946
MOLECULIN BIOTECH, INC. 3,170,872
MOLEDA AS 3,170,905
MOLONEY, PATRICK 3,169,948
MOLONEY, PATRICK 3,170,567
MOMCHILOV, GEORGY 3,170,463
MONACO, MATTIA RICCARDO 3,170,449
MONAHAN, THOMAS 3,170,003
MONTERO, SAUL MARTINEZ 3,170,466
MOORE, THOMAS 3,170,749
MOREIRA-GREZ, BENJAMIN 3,171,122
MORENO, RAMON 3,168,771
MORGAN, ANGELA 3,170,244
MORGAN, ANGELA 3,170,249
MORITA, DAISUKE 3,171,098
MORIZANE, HIROTO 3,170,573
MOSS, JONATHON 3,171,038
MOSZCZUK, BARBARA 3,173,639
MOUSSES, SPYRO 3,168,771
MUCHA, KRZYSZTOF 3,173,639
MULAJ, MENTOR 3,170,615
MULINTI, RAHUL 3,178,289
MULLER, ELIANE J 3,170,941
MULTIMATIC INC. 3,170,555
MUNCHKIN, INC. 3,171,120
MUNETSUGU, HIROYUKI 3,170,308
MURUGANATHAN, SIVA 3,177,853
MUSC FOUNDATION FOR RESEARCH DEVELOPMENT D/B/A ZUCKER INSTITUTE FOR INNOVATION COMMERCIALIZATION 3,168,771
MUSCLE CORPORATION 3,170,569
MUSTAFA, AHMED 3,169,821
MUTHUKRISHNAN, HARIHARAN 3,170,086
MYDLARSKI, LAURENT 3,170,953
MYHRENE, OLE 3,170,905
NACEV, ALEKSANDAR 3,171,080
NACHBAGAUER, RAFFAEL 3,178,344
NACHMIAS, CHEN 3,177,856
NAGAE, TAKUYA 3,177,860
NAGASAKI, HIRONORI 3,170,397
NAGASE & CO., LTD. 3,170,408
NAHUM, TEHILA 3,177,856
NAIR, ABHILASH KRISHNANKUTTY 3,170,826
NAIR, SANKAR 3,170,066
NAIR, SANKAR 3,170,938
NAKASHIMA, NANAMI 3,170,408
NAKATANI, TAKESHI 3,170,408
NAKAYAMA, JUMPEI 3,171,098
NANDI, INDRANIL 3,170,845
NANTES UNIVERSITE 3,170,705
NAPPER, HARRISON W. 3,170,817
NATAN, YEHUDIT 3,171,001
NATHAN, ASHER 3,170,369
NATIONAL CANCER CENTER 3,173,263
NATIONAL HEALTH RESEARCH INSTITUTES 3,170,252
NATIONAL RESEARCH COUNCIL OF CANADA 3,170,476
NATIONAL RESEARCH COUNCIL OF CANADA 3,171,124
NATURE TECHNOLOGY CORPORATION 3,170,890
NAVARRA-MESTRE, RAMON 3,170,390
NAVRATIL, JIRI 3,170,297
NAYAK, BHABANI SANKAR 3,169,929
NCC NANO, LLC 3,170,576
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 3,170,460
NEFF, LUCAS 3,170,707
NEOCHARGE INCORPORATED 3,171,048
NEOTX THERAPEUTICS LTD. 3,170,369
NEPTUNE MEDICAL INC. 3,178,444
NERHEIM, MAGNE 3,170,076
NEUPERT, CHRISTINE 3,170,889
NEUSON HYDROTEC GMBH 3,178,458
NEWMAN, JOSHUA 3,169,914
NEWMAN, JOSHUA 3,170,277
NGES HOLDING B.V. 3,170,834
NGUEMA-ONA, ERIC 3,170,942
NGUYEN, TUAN HUY 3,170,705
NGUYEN, VINH N. 3,169,821
NIBHANUPUDY, JAGANNADHA RAO 3,171,096
NICOLAY, DAVID 3,172,810
NICOVENTURES TRADING LIMITED 3,169,002
NICOVENTURES TRADING LIMITED 3,169,948
NICOVENTURES TRADING LIMITED 3,170,567
NICOVENTURES TRADING LIMITED 3,170,779
NICOVENTURES TRADING LIMITED 3,170,783
NICULA, VIRGIL 3,169,914
NIEUWENHUYS, AURORE 3,170,535
NIEZNANSKI, MICHAL 3,170,972
NIGHTINGALE, AARON THOMAS ARNOLD 3,170,026
NIKHANJ, MANUJ 3,170,613
NIKOLIC, OGNJEN 3,170,277
NING, HONGYAN 3,169,872
NINNEMANN, HORST 3,170,697
NIUNOYA, MASATOSHI 3,170,223
NOBERT, JONATHAN 3,170,289
NOBLITT, KENNETH LEE 3,170,062
NOCION THERAPEUTICS, INC. 3,170,070
NOGALES, AITOR 3,170,570
NOMOREITIS B.V. 3,178,140
NOON, TIMOTHY EDWARD 3,170,542
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 3,170,957
NORMAN, ALEXANDER IAIN 3,170,274
NORTH CAROLINA STATE UNIVERSITY 3,170,590
NOVAMERA INC. 3,169,795
NOVIHUM TECHNOLOGIES GMBH 3,170,697
NOVYSTEM S.P.A. 3,170,458
NUECOLOGY BIOMEDICAL INC. 3,170,761
NUO-BETA PHARMACEUTICAL TECHNOLOGY (SHANGHAI) CO. LTD 3,170,611
NUVAMID SA 3,170,031
NYKJAER, ANDERS 3,171,130
NYMAN, VILLE 3,170,061
O'CONNELL, DANIEL NEIL 3,170,625
O'CONNELL, DANIEL NEIL 3,170,631
O'CONNOR, KEVIN 3,171,112
O'DONNELL, RYAN 3,177,874
O'MALLEY, EDWARD 3,170,628
O'SULLIVAN, CODY 3,177,874

O?SHEA, THOMAS 3,170,467
OBERHOLZER, JONATHON 3,178,286
OBERHOLZER, JONATHON 3,178,295
OGIHARA, TETSUYA 3,171,083
OH, BRIAN J. 3,170,627
OH, JUNGMIN 3,170,416
OHLHAFER, OLAF 3,169,700
OHST, DEVAN 3,170,780
OKABE, YUKI 3,170,569
OKLO INC. 3,171,077
OKU, HIROSHI 3,170,569
OKUTAN, SERHAN 3,170,851
OLLAGNIER, JEAN-NOEL 3,171,052
OLLIVIER, JOAL 3,170,033
OLSON, ERIC 3,170,456
OMACHRON INTELLECTUAL PROPERTY INC. 3,170,041
ONO, TOMOHIRO 3,169,930
OOSTVOGELS, CORNELIA 3,170,740
OPNA IMMUNO-ONCOLOGY SA 3,177,022
OR, YAT SUN 3,170,411
ORANO DS - DEMANTELEMENT ET SERVICES 3,169,885
ORENTAS, RIMAS J. 3,171,093
ORGANES TISSUS REGENERATION REPARATION REMPLACEMENT 3,171,013
ORLANDI, MASSIMO 3,170,458
ORTEGA RODRIGUEZ, GRETER AMELIA 3,173,827
ORTEGA RODRIGUEZ, GRETER AMELIA 3,178,297
ORTEGA, ALBERT 3,170,482
ORTEGA, ALBERT 3,170,492
ORTEGA, ALBERT 3,170,497
ORTHOFIX US LLC 3,169,917
OSAGAWA, KENTA 3,177,861
OSITECH COMMUNICATIONS INC. 3,170,940
OSTVOLD, ARNOLD 3,169,001
OVERCASH, DEREK MICHAEL 3,171,079
OZAKI, GOSHI 3,170,308
PACZEK, LESZEK 3,173,639
PADEY, BLANDINE 3,170,621
PAI, CHIN-I 3,168,986
PAIOLA, MELANIE 3,170,279
PALEJWALA, VASEEM A. 3,169,827
PALESE, PETER 3,178,344
PAMBOU, ELIAS 3,170,026
PAN, WEI 3,170,282
PAN, XIUFANG 3,169,945
PANAGOPOULOS, ANASTASIE 3,170,400
PANCHERI, EUGENE J. 3,170,617
PANCHULA, MARTIN LAWRENCE 3,171,115
PANDEY, RAJENDRA K. 3,170,466
PANDUIT CORP. 3,170,883
PANG, JIEBIN 3,170,604
PANG, YUCHENG 3,170,773
PAPASOTIRIOU, IOANNIS 3,169,995
PARAVIDINO, PIERO 3,170,214
PARDI, NORBERT 3,178,344
PARENTI, JENNA 3,177,585
PARENTI, JENNA 3,177,645
PARIS, ALEXANDRE 3,170,613
PARK, GA YOUNG 3,178,129
PARK, JOHN Y. 3,170,752
PARK, JUN 3,171,173
PARK, JUNG-SANG 3,178,129
PARK, LARRY CHONG 3,170,606
PARK, MINSOO 3,171,107
PARK, MINWOO 3,171,107
PARK, STEVEN 3,169,883
PARK, YOOJIN 3,178,129
PARKER, STEVEN 3,170,604
PARKER, SUEZANNE E. 3,169,889
PARRA RAPADO, LILIANA 3,169,884
PARROT, ERIC L. 3,170,607
PARSONS, ANDREW 3,170,565
PATEL, SHAILENDRA 3,171,143
PAUZA, C. DAVID 3,170,630
PAVAN, MAURO 3,170,888
PAYSANT, HIPPOLYTE 3,170,893
PEDERSEN, MICHAEL A. 3,170,256
PEEPLES, MALINDA 3,171,017
PEEVA, ELENA 3,177,852
PEMMARAJU, HEMANTH 3,170,230
PENG, JIANGHONG 3,178,131
PEREIRA, IGOR A. 3,170,269
PEREZ AVELLA, DAVID LEONARDO 3,169,928
PERFORMANCE CHEMICALS, LLC 3,169,952
PERISHO, RANDAL 3,172,734
PERKINS, ROBBIE M. 3,171,049
PERLIN, DAVID S. 3,169,883
PERRET, VIRGINIE 3,170,961
PERRUCHOT, LUDOVIC 3,170,481
PESENTI, CRISTINA 3,170,214
PETERSON, TYLER ELIOT 3,169,935
PETKOVA, DESISLAVA SLAVCHEVA 3,169,884
PETRISCA, DARIAN 3,178,287
PETSCH, BENJAMIN 3,170,740
PETSCH, BENJAMIN 3,170,743
PEYFUSS, BURGHARD 3,178,458
PFIZER INC. 3,177,852
PFW AEROSPACE GMBH 3,169,931
PHAM, DARREL Q. 3,169,935
PHAM, THANH 3,170,476
PHAM, THANH 3,170,478
PHAM, VINCENT 3,169,843
PHARMA MAR, S.A. 3,169,544
PHELPS, JOHN 3,170,903
PHILIP MORRIS PRODUCTS S.A. 3,170,742
PHILLIPS, WILLIAM 3,171,097
PIAO, YINJI 3,171,107
PIATEK, MONIKA 3,170,205
PIC THERAPEUTICS, INC. 3,170,411
PICKER, DONALD 3,170,872
PICOMOLE INC. 3,169,777
PICOMOLE INC. 3,169,780
PICOMOLE INC. 3,169,784
PICON RUIZ, ARTZAI 3,170,390
PIEPENBRINK, MICHAEL 3,170,570
PIGNI, ANDREAS 3,170,584
PILLER GROUP GMBH 3,170,574
PINDJUROV, RISTE 3,170,911
PINDJUROV, RISTE 3,171,005
PITTS, DAN 3,170,903
PIZZORNO, MARIO ANDRES 3,170,621
PLACE, TOM 3,168,735
PLANTE, OBADIAH JOSEPH 3,178,465
PLEOPHARMA, L.L.C. 3,170,635
PMFHOUSING GMBH 3,170,946
POISNER, DAVID 3,170,707
POLAR-ROSAS, ALBERTO O. 3,168,997
POLSAKIEWICZ, DOMINIK 3,170,459
POLYAMYNA NANOTECH INC. 3,170,544
POLYCRETE INTERNATIONAL INC. 3,178,142
POLYMER TECHNOLOGIES LIMITED 3,137,491
PONCELEON, DULCE B. 3,170,286
POON, JAMES 3,177,872
POON, JAMES 3,177,874
POONOTH, MANOJKUMAR 3,170,923
PORAT, IRIS 3,170,044
PORCINCULA, DOMINIQUE HENRY 3,171,132
POULAIN, LAURENT 3,170,893
POULETTY, PHILIPPE 3,170,879
PRASAD, ASHUTOSH 3,171,044
PRASAD, VIVEK 3,171,044
PRATT, JASON 3,169,728
PRAXAIR S. T. TECHNOLOGY, INC. 3,170,532
PRAXAIR TECHNOLOGY, INC. 3,171,053
PRESTA, LEONARD 3,170,434
PRICE, DEVON 3,170,624
PRIEBE, WALDEMAR 3,170,872
PRISCIAK, GLEN THOMAS 3,170,523
PROGENEER INC. 3,170,551
PROMAXO, INC. 3,171,080
PROVA INNOVATIONS LTD. 3,170,237
PROVENCHER, LUC 3,170,953
PSIQUANTUM, CORP. 3,170,572
PTM THERAPEUTICS, INC. 3,170,434
PURATOS 3,170,306
PURVES, CHRISTOPHER QUENTIN 3,169,777
PURVES, CHRISTOPHER QUENTIN 3,169,780
PURVES, CHRISTOPHER QUENTIN 3,169,784
QIAN, LIHUI 3,170,068
QIAN, SHUAI 3,170,300
QIN, BO 3,170,759
QIU, ZHEYAN 3,172,709
QU, XIUXIA 3,169,907
QUANTA ASSOCIATES, L.P. 3,170,625
QUANTA ASSOCIATES, L.P. 3,170,631
QUAY, STEVEN C. 3,169,898
QUIGLEY, WILLIAM EDWARD 3,177,552

QUIMICA SINTETICA, S.A. 3,170,214
QUINTERO-MARQUEZ, ADRIANA 3,170,235
QUINTRON INSTRUMENT COMPANY, INC. 3,171,043
R.G.C.C. HOLDINGS AG 3,169,995
RACHNIOWSKI, ZBIGNIEW PAUL 3,170,691
RACING OPTICS, INC. 3,169,760
RADOVINSKY, ALEXEY 3,170,080
RAFIEI, RAMIN 3,169,795
RAJABZADEH, AMIN REZA 3,173,827
RAJABZADEH, AMIN REZA 3,178,297
RAJWANSHI, VIVEK KUMAR 3,170,466
RAMAKRISHNAN, BOOPATHY 3,178,465
RAMOS PEREZ, VICTOR 3,170,071
RANA, AZEEM A. 3,170,029
RANPAK CORP. 3,170,060
RANPAK CORPORATION 3,170,067
RAO, ERCOLE 3,170,452
RATCHET SOLUTIONS.INC. 3,169,763
RATEL, OLIVIER 3,178,128
RATH, RAKESH 3,170,923
RATHAKRISHNAN, ANUSYAH 3,170,058
RAU, THOMAS F. 3,178,309
RAUCH, SUSANNE 3,170,740
RAUCH, SUSANNE 3,170,743
RAVENELLE, FRANCOIS 3,169,753
RAWLINGS, DARRYL 3,170,903
RAY, MICHAEL L. 3,178,257
RECKER, ROGER L. 3,170,927
REDWOOD PHARMA AB 3,170,370
REG SYNTHETIC FUELS, LLC 3,170,414
REGE, ABHISHEK 3,170,959
REGEN LAB SA 3,170,584
REGENERON PHARMACEUTICALS, INC. 3,170,207
REGENERON PHARMACEUTICALS, INC. 3,170,208
REGENERON PHARMACEUTICALS, INC. 3,170,733
REGENERON PHARMACEUTICALS, INC. 3,170,902
REICHMAN, BENJAMIN 3,171,115
REIS, ANA 3,170,043
REIS, ANA 3,170,058
RENEWABLE METALS COMPANY PTY LTD 3,177,877
RENNER, ALEX 3,171,077
RENSCHLER, MARKUS 3,170,467
RENT-A-CENTER WEST, INC. 3,170,786
RENT-A-CENTER WEST, INC. 3,170,789
REPOND, NICOLAS 3,171,108
RETZLAFF, ANA MICHEL 3,169,841
REVETS, HILDE ADI PIERRETTE 3,178,461
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ZHU, ZHONGYU 3,178,299
ZUDAIRE, ENRIQUE 3,178,299