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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

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 January 17, 2023 contains applications open to public inspection from January 1, 2023 to January 7, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 17 janvier 2023 contient les demandes disponibles au public pour consultation pour la période du 1 janvier 2023 au 7 janvier 2023.

Canadian Patents Issued

January 17, 2023

Brevets canadiens délivrés

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[25] FR
[54] **POROUS CRYSTALLINE METAL-ORGANIC SOLID HAVING A MODIFIED OUTER SURFACE AND METHOD FOR PREPARING ITOD FOR PREPARING IT**
[54] **SOLIDE DE RESEAU METAL-ORGANIQUE (MOF) CRISTALLIN POREUX, A SURFACE EXTERNE MODIFIEE ET SON PROCEDE DE PREPARATION**
[72] GREF, RUXANDRA, FR
[72] AGOSTONI, VALENTINA, FR
[72] DAOUD-MAHAMMED, SAMIA, FR
[72] RODRIGUEZ-RUIZ, VIOLETA, FR
[72] MALANGA, MILO, IT
[72] JICSINSZKY, LASZLO, HU
[72] HORCAJADA CORTES, PATRICIA, FR
[72] SERRE, CHRISTIAN, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS, FR
[73] UNIVERSITE PARIS-SUD, FR
[73] CENTRE NATIONAL DE LA RECHERCE SCIENTIFIQUE CNRS, FR
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[54] **AN ELECTROMAGNETIC GENERATOR**
[54] **GENERATRICE ELECTROMAGNETIQUE**
[72] COPELAND, CARL E., JR., US
[72] FAHIMI, BABAK, US
[73] PROTOTUS, LTD., BZ
[85] 2014-11-25
[86] 2013-05-29 (PCT/US2013/043103)
[87] (WO2013/181243)
[30] US (61/653,269) 2012-05-30
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[51] **Int.Cl. A61K 36/53 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **EXTRACTS FROM MOTHER-OF-THYME AND THE USE THEREOF**
[54] **EXTRAITS DE THYM SERPOLET ET UTILISATION DESDITS EXTRAITS**
[72] WALBROEL, BERND, DE
[72] PISCHEL, IVO, DE
[72] FEISTEL, BJORN, DE
[73] FINZELBERG GMBH & CO. KG, DE
[85] 2014-12-05
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[51] **Int.Cl. F02C 3/06 (2006.01) F04D 19/02 (2006.01)**
[25] EN
[54] **MULTISTAGE AXIAL FLOW COMPRESSOR**
[54] **COMPRESSEUR A FLUX AXIAL A ETAGES MULTIPLES**
[72] HEIKURINEN, KARL, CA
[72] DUTTON, RONALD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2877222)
[87] (2877222)
[22] 2015-01-07
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[25] EN
[54] **METHOD FOR DETECTING OR MEASURING THE IMPACT OF A VIRAL VECTOR COMPOSITION ON EUKARYOTIC CELLS AND BIOMARKERS USED THEREOF**
[54] **METHODE DE DETECTION OU DE MESURE DE L'IMPACT D'UNE COMPOSITION DE VECTEUR VIRAL SUR DES CELLULES EUCARYOTES ET LEURS BIOMARQUEURS UTILISES**
[72] BOUILLE, PASCALE, FR
[72] GAYON, REGIS, FR
[72] ICHE, ALEXANDRA, FR
[73] VECTALYS, FR
[85] 2015-01-12
[86] 2013-07-26 (PCT/IB2013/002085)
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[30] US (61/676,098) 2012-07-26

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01)**
[25] EN
[54] **SIRNA AND THEIR USE IN METHODS AND COMPOSITIONS FOR THE TREATMENT AND/OR PREVENTION OF EYE CONDITIONS**
[54] **ARNSI ET LEUR UTILISATION DANS DES METHODES ET DES COMPOSITIONS DE TRAITEMENT ET/OU DE PREVENTION D'ETATS DE L'OEIL**
[72] JIMENEZ ANTON, ANA ISABEL, ES
[72] GONZALEZ FAJARDO, VICTORIA, ES
[72] RUZ PALOMAR, VERONICA, ES
[73] SYLENTIS SAU, ES
[85] 2015-02-25
[86] 2013-09-04 (PCT/EP2013/068245)
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[51] **Int.Cl. C07D 213/56 (2006.01) A61K 31/444 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **N-(3-FLUOROBENZYL)-2-(5-(4-MORPHOLINOPHENYL)PYRIDIN-2-YL) ACETAMIDE AS PROTEIN|TYROSINE KINASE MODULATORS**
[54] **N-(3-FLUOROBENZYL)-2-(5-(4-MORPHOLINOPHENYL)PYRIDIN-2-YL) ACETAMIDE UTILISE EN TANT QUE MODULATEURS DE LA PROTEINE TYROSINE KINASE**
[72] HANGAUER, DAVID G., US
[73] ATHENEX, INC., US
[85] 2015-02-18
[86] 2013-08-30 (PCT/US2013/057565)
[87] (WO2014/036426)
[30] US (61/695,100) 2012-08-30
[30] US (61/779,868) 2013-03-13

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[13] C
[51] **Int.Cl. G06F 3/0481 (2022.01) G06F 3/14 (2006.01)**
[25] EN
[54] **METHOD FOR TRACKING DISPLAYS DURING A COLLABORATION SESSION AND INTERACTIVE BOARD EMPLOYING SAME**
[54] **METHODE DE SUIVI D'AFFICHAGES PENDANT UNE SEANCE DE COLLABORATION ET TABLEAU INTERACTIF EMPLOYANT LADITE METHODE**
[72] XIN, MIN, CA
[72] BOYLE, MICHAEL, CA
[72] ROUNDING, KATHRYN, CA
[73] SMART TECHNOLOGIES ULC, CA
[86] (2886485)
[87] (2886485)
[22] 2015-03-27
[30] US (61/972690) 2014-03-31

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[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/12 (2006.01) A61K 31/20 (2006.01) A61K 31/7088 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **SYNTHETIC LETHALITY AND THE TREATMENT OF CANCER**
[54] **LETALITE SYNTHETIQUE ET LE TRAITEMENT ANTICANCEREUX**
[72] BERTHIAUME, LUC G., CA
[72] PERINPANAYAGAM, CONGANIGE MANEKA ANNE, CA
[72] YAP, CHUIYEE, CA
[72] BEAUCHAMP, ERWAN, FR
[73] PACYLEX PHARMACEUTICALS INC., CA
[85] 2015-04-29
[86] 2013-10-30 (PCT/CA2013/050821)
[87] (WO2014/067002)
[30] US (61/720,218) 2012-10-30
[30] US (61/870,418) 2013-08-27
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[11] **2,890,265**
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **ANTIGEN BINDING PROTEINS AND THEIR USE AS ADDRESSING PRODUCT FOR THE TREATMENT OF CANCER**
[54] **PROTEINES DE LIAISON A UN ANTIGENE ET LEUR UTILISATION COMME PRODUIT D'ADRESSAGE POUR LE TRAITEMENT DU CANCER**
[72] BEAU-LARVOR, CHARLOTTE, FR
[72] GOETSCH, LILIANE, FR
[72] BOUTE, NICOLAS, FR
[73] PIERRE FABRE MEDICAMENT, FR
[85] 2015-04-29
[86] 2013-11-05 (PCT/EP2013/073036)
[87] (WO2014/068139)
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[51] **Int.Cl. E21B 43/24 (2006.01) F24T 10/20 (2018.01) E21B 43/16 (2006.01)**
[25] EN
[54] **ENCHANCED CARBON DIOXIDE-BASED GEOTHERMAL ENERGY GENERATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES AMELIORES DE GENERATION D'ENERGIE GEOTHERMIQUE A BASE DE DIOXYDE DE CARBONE**
[72] RANDOLPH, JIMMY BRYAN, US
[73] TERRACOH, INC., US
[85] 2015-05-12
[86] 2013-11-12 (PCT/US2013/069680)
[87] (WO2014/075071)
[30] US (61/725,270) 2012-11-12

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[25] EN
[54] **SECURE AUTHORIZATIONS USING INDEPENDENT COMMUNICATIONS AND DIFFERENT ONE-TIME-USE ENCRYPTION KEYS FOR EACH PARTY TO A TRANSACTION**
[54] **AUTORISATIONS SECURISEE UTILISANT DES COMMUNICATIONS INDEPENDANTES ET DIFFERENTES CLES DE CHIFFREMENT A UTILISATION UNIQUE POUR CHAQUE PARTICIPANT A UNE TRANSACTION**
[72] CARROTT, RICHARD F., US
[73] CARROTT, RICHARD F., US
[85] 2015-06-03
[86] 2015-04-27 (PCT/US2015/027731)
[87] (WO2016/076916)
[30] US (14/539,190) 2014-11-12

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[25] EN
[54] **MULTIPLEX METHODS AND OLIGONUCLEOTIDE SETS FOR DETERMINING THE PRESENCE OR ABSENCE OF SALMONELLA, SHIGELLA, C. JEJUNI, AND C. COLI**
[54] **METHODES DE MULTIPLEXAGES ET ENSEMBLES D'OLIGONUCLEOTIDES POUR DETERMINER LA PRESENCE OU L'ABSENCE DE LA SALMONELLE, DE LA SHIGELLA, DEC. JEJUNI ET DE C. COLI**
[72] TYLER, EJAN, US
[73] GEN-PROBE PRODESSE, INC., US
[85] 2015-05-21
[86] 2013-12-06 (PCT/US2013/073710)
[87] (WO2014/089508)
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[13] C
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[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR ELECTRONIC PATIENT CARE**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR DES SOINS DE PATIENT ELECTRONIQUES**
[72] KAMEN, DEAN, US
[72] BIASI, JOHN J., US
[72] KERWIN, JOHN M., US
[72] PRIBYL, ERIC L., US
[72] BLUMBERG, DAVID, US
[72] GORAYEB, MARC J., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2015-06-19
[86] 2013-12-20 (PCT/US2013/077135)
[87] (WO2014/100687)
[30] US (13/723,253) 2012-12-21
[30] US (13/723,239) 2012-12-21
[30] US (13/723,242) 2012-12-21
[30] US (61/740,474) 2012-12-21
[30] US (13/900,655) 2013-05-23
[30] US (PCT/US13/42350) 2013-05-23
[30] US (14/136,243) 2013-12-20

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[13] C
[51] **Int.Cl. G06Q 40/02 (2023.01) G06Q 40/03 (2023.01)**
[25] EN
[54] **MULTIPLE PARTY BRANCH RECOMMENDATION**
[54] **RECOMMANDATION DE SUCCURSALE A PLUSIEURS PARTIES**
[72] BARNETT, JONATHAN K., CA
[72] VAN HEERDEN, LAUREN, US
[72] NADARAJAH, GUNALAN, CA
[72] BARBON, JOHN, CA
[72] DEL VECCHIO, ORIN, CA
[72] CHAN, PAUL MON-WAH, CA
[72] DANIELAK, JAKUB, CA
[72] MORETTI, CHRISTIANNE, CA
[72] HAMILTON, MATTHEW, CA
[73] THE TORONTO DOMINION BANK, CA
[86] (2897721)
[87] (2897721)
[22] 2015-07-20
[30] US (62/026,550) 2014-07-18

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[13] C
[51] **Int.Cl. H04L 65/403 (2022.01) G01N 27/416 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COLLABORATING IN A NON-DESTRUCTIVE TESTING SYSTEM USING LOCATION INFORMATION**
[54] **SYSTEMES ET PROCEDES DE COLLABORATION DANS UN SYSTEME D'ESSAI NON DESTRUCTIF A L'AIDE D'INFORMATIONS DE LOCALISATION**
[72] DOMKE, MICHAEL CHRISTOPHER, US
[72] SOORIANARAYANAN, SEKHAR, IN
[72] LAMBDIN, THOMAS ELDRED, US
[72] WARD, ROBERT CARROLL, US
[72] SBIHLI, SCOTT LEO, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2015-07-09
[86] 2013-12-11 (PCT/US2013/074332)
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[25] EN
[54] **COMPOSITIONS CONTAINING CHONDROITIN SULPHATE, PROTEOLYTIC ENZYMES AND SULPHYDRYL COMPOUNDS FOR IMPROVING THE BIOAVAILABILITY OF CHONDROITIN SULPHATE**
[54] **COMPOSITIONS CONTENANT DU SULFATE DE CHONDROITINE, DES ENZYMES PROTEOLYTIQUES ET DES COMPOSES SULFHYDRYLE POUR AMELIORER LA BIODISPONIBILITE DU SULFATE DE CHONDROITINE**
[72] MIRAGLIA, NICCOLO, IT
[72] ROSSINI, MAURO, IT
[72] BIANCHI, DAVIDE, IT
[72] TRENTIN, ANTONELLA, IT
[73] GNOSIS S.P.A., IT
[85] 2015-07-23
[86] 2014-01-23 (PCT/EP2014/051308)
[87] (WO2014/114706)
[30] IT (MI2013A000117) 2013-01-25

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[13] C
[51] **Int.Cl. H03M 13/19 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] SHINOHARA, YUJI, JP
[72] YAMAMOTO, MAKIKO, JP
[73] SONY CORPORATION, JP
[85] 2015-07-30
[86] 2014-01-27 (PCT/JP2014/051622)
[87] (WO2014/123016)
[30] JP (2013-023881) 2013-02-08

[11] **2,900,802**
[13] C
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **REBOUND DEVICE TO FACILITATE HOCKEY TRAINING**
[54] **DISPOSITIF DE REBOND SERVANT A FACILITER L'ENTRAINEMENT AU HOCKEY**
[72] KLANOW, BRIAN, US
[72] MARINOFF, JAMES P., US
[73] GIVE-N-GO HOCKEY LLC, US
[86] (2900802)
[87] (2900802)
[22] 2015-08-18
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[51] **Int.Cl. G06Q 30/0201 (2023.01) G06Q 30/0251 (2023.01)**
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[54] **SYSTEM ARCHITECTURE FOR CUSTOMER GENOME CONSTRUCTION AND ANALYSIS**
[54] **ARCHITECTURE DE SYSTEME POUR CONSTRUCTION ET ANALYSE DE GENOME CLIENT**
[72] HAWKINS, CHRISTOPHER JOHN, US
[72] DANG, LEEANN CHAU TUYET, US
[72] NGUYEN, DAVID TONG, US
[72] CHU, HYON S., US
[72] CHENG, SERENA TSIAO-YI, US
[72] WALKER, BRYAN MICHAEL, US
[72] LI, ZIQUI, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2901454)
[87] (2901454)
[22] 2015-08-25
[30] US (62/041,315) 2014-08-25

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 7/10 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **INHIBITION OF SEMA3A IN THE PREVENTION AND TREATMENT OF OCULAR HYPERPERMEABILITY**
[54] **INHIBITION DE LA SEMA3A DANS LA PREVENTION ET LE TRAITEMENT DE L'HYPERPERMEABILITE OCULAIRE**
[72] SAPIEHA, PRZEMYSLAW, CA
[73] RSEM, LIMITED PARTNERSHIP, CA
[85] 2015-08-20
[86] 2014-02-21 (PCT/CA2014/050119)
[87] (WO2014/127479)
[30] US (61/767,419) 2013-02-21

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[25] EN
[54] **USE OF PHOSPHOKETOLASE AND PHOSPHOTRANSACETYLASE FOR PRODUCTION OF ACETYL-COENZYME A DERIVED COMPOUNDS**
[54] **UTILISATION DE PHOSPHOCETOLASE ET DE PHOSPHOTRANSACETYLASE POUR LA PRODUCTION DE COMPOSES DERIVES D'ACETYL-COENZYME A**
[72] HAWKINS, KRISTY MICHELLE, US
[72] MAHATDEJKUL-MEADOWS, TINA TIPAWAN, US
[72] MEADOWS, ADAM LEON, US
[72] PICKENS, LAUREN BARBARA, US
[72] TAI, ANNA, US
[72] TSONG, ANNIE ENING, US
[73] AMYRIS, INC., US
[73] TOTAL MARKETING SERVICES, FR
[85] 2015-08-28
[86] 2014-03-14 (PCT/US2014/028421)
[87] (WO2014/144135)
[30] US (61/800,356) 2013-03-15

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[51] **Int.Cl. C12N 9/22 (2006.01) A61K 38/46 (2006.01) C07K 19/00 (2006.01) C12N 15/55 (2006.01) C12P 21/02 (2006.01) C12Q 1/34 (2006.01)**
[25] EN
[54] **RIBOTOXIN MOLECULES DERIVED FROM SARCIN AND OTHER RELATED FUNGAL RIBOTOXINS**
[54] **MOLECULES DE RIBOTOXINES DERIVEES DE SARCINE ET AUTRES RIBOTOXINES FONGIQUES ASSOCIEES**
[72] GEHLSEN, KURT R., US
[72] JONES, TIMOTHY DAVID, GB
[72] CARR, FRANCIS JOSEPH, GB
[72] HEARN, ARRON, GB
[73] RESEARCH CORPORATION TECHNOLOGIES, INC., US
[85] 2015-08-31
[86] 2014-03-03 (PCT/US2014/020035)
[87] (WO2014/158770)
[30] US (61/783,589) 2013-03-14
[30] US (61/902,972) 2013-11-12

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[51] **Int.Cl. H02J 1/10 (2006.01) H02J 13/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **POWER MANAGEMENT CONCEPT IN DC DISTRIBUTED SYSTEMS**
[54] **CONCEPT DE GESTION D'ALIMENTATION DANS LES SYSTEMES DC DISTRIBUES**
[72] ZUBIETA, LUIS, CA
[73] ARDA POWER INC., CA
[86] (2904322)
[87] (2904322)
[22] 2015-09-18
[30] US (62/182,788) 2015-06-22

[11] **2,905,626**
[13] C
[51] **Int.Cl. F16C 27/02 (2006.01) B64C 27/32 (2006.01) F16C 27/06 (2006.01) F16C 33/24 (2006.01) F16C 37/00 (2006.01)**
[25] EN
[54] **CYLINDRICAL BEARING WITH THERMALLY CONDUCTIVE MEMBERS**
[54] **ROULEMENT CYLINDRIQUE DOTE D'ELEMENTS THERMOCONDUCTEURS**
[72] MUELLER, THOMAS G., US
[73] AKTIEBOLAGET SKF, SE
[86] (2905626)
[87] (2905626)
[22] 2015-09-23
[30] US (14/502,037) 2014-09-30

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[13] C
[51] **Int.Cl. A61F 13/53 (2006.01) A61F 13/15 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE DEMONSTRATING CONTROLLED DEFORMATION AND LONGITUDINAL FLUID DISTRIBUTION**
[54] **ARTICLE ABSORBANT PRESENTANT UNE DEFORMATION CONTROLEE ET UNE DISTRIBUTION DE FLUIDE LONGITUDINALE**
[72] REZENDE, FELIPE BONI, BR
[72] BARBOSA, LIVEA FUJITA, BR
[72] ROSENFELD, LEONARD, US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[86] (2906077)
[87] (2906077)
[22] 2015-09-29
[30] US (62/057,590) 2014-09-30
[30] US (14/645,902) 2015-03-13

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[13] C
[51] **Int.Cl. A61F 13/53 (2006.01) A61F 13/15 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE DEMONSTRATING CONTROLLED DEFORMATION AND LONGITUDINAL FLUID DISTRIBUTION**
[54] **ARTICLE ABSORBANT PRESENTANT UNE DEFORMATION CONTROLEE ET UNE DISTRIBUTION DE FLUIDE LONGITUDINALE**
[72] REZENDE, FELIPE BONI, BR
[72] BARBOSA, LIVEA FUJITA, BR
[72] ROSENFELD, LEONARD, US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[86] (2906212)
[87] (2906212)
[22] 2015-09-29
[30] US (62/057,648) 2014-09-30
[30] US (14/645,965) 2015-03-12

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[13] C
[51] **Int.Cl. G06F 16/24 (2019.01) G16H 10/60 (2018.01) G06F 16/28 (2019.01)**
[25] EN
[54] **MEDICAL RESEARCH RETRIEVAL ENGINE**
[54] **MOTEUR DE RECUPERATION DE RECHERCHE MEDICALE**
[72] SRIVASTAVA, GITIKA, US
[72] RAMARAJAN, NARESH, US
[73] NAVYA NETWORK INC., US
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[54] **METHODS, DEVICES, AND SYSTEMS FOR SAMPLE ANALYSIS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR L'ANALYSE D'ECHANTILLON**
[72] YOUNG, DANIEL, US
[72] HOLMES, ELIZABETH A., US
[73] THERANOS IP COMPANY, LLC, US
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[54] **ESSIEU DE SUSPENSION**
[72] HILVERS, MICHAEL J., US
[72] SMITH, DAVID R., US
[72] GERDEMAN, SHAWN W., US
[73] UNIVERFERTH MANUFACTURING COMPANY, INC., US
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[54] **ARBALETE A DEPLACEMENT DE CABLE VARIABLE**
[72] MCPHERSON, MATHEW A., US
[73] MCP IP, LLC, US
[86] (2912026)
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[54] **IMMUNOGENIC COMPOSITION FOR USE IN THERAPY**
[54] **COMPOSITION IMMUNOGENE POUR L'UTILISATION EN THERAPIE**
[72] BIEMANS, RALPH LEON, BE
[72] BOUTRIAU, DOMINIQUE, BE
[72] DENOEL, PHILIPPE, BE
[72] DUVIVIER, PIERRE, BE
[72] GORAJ, CARINE, BE
[73] GLAXOSMITHKLINE BIOLOGICALS S.A., BE
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[54] **AXIALLY SPLIT PUMP**
[54] **POMPE FENDUE AXIALEMENT**
[72] WELSCHINGER, THOMAS, DE
[72] TISCHLER, HEIKE, CH
[72] VOGEL, BERTHOLD, DE
[73] SULZER MANAGEMENT AG, CH
[86] (2912705)
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[51] **Int.Cl. H04W 28/12 (2009.01) H04W 28/14 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COMMUNICATION IN A HYBRID SATELLITE/TERRESTRIAL NETWORK**
[54] **METHODE ET SYSTEME DE COMMUNICATION DANS UN RESEAU HYBRIDE SATELLITE/TERRESTRE**
[72] GADAT, BENJAMIN, FR
[72] VAN WAMBEKE, NICOLAS, FR
[72] PEYROTTE, CHRISTIAN, FR
[73] THALES, FR
[86] (2913656)
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[54] **HEATING ELEMENTS OF LARGE SIZES AND OF METALLIC TUBULAR DESIGNS**
[54] **ELEMENTS CHAUFFANTS DE GRANDES TAILLES ET DE CONCEPTIONS TUBULAIRES METALLIQUES**
[72] GAGNON, GILLES, CA
[73] TEMP4 INC., CA
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[87] (2914162)
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[54] **SHAFT ASSEMBLIES SUITABLE FOR CIRCUIT BREAKERS AND RELATED CIRCUIT BREAKERS**
[54] **ENSEMBLES ARBRES QUI CONVIENNENT POUR DES DISJONCTEURS ET DISJONCTEURS ASSOCIES**
[72] SPITSBERG, YURI, US
[72] GIBSON, PERRY ROBERT, US
[72] PARKS, DAVID, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **A CONFIGURATION CONNECTION DEVICE**
[54] **DISPOSITIF DE CONNEXION DE CONFIGURATION**
[72] MADONNA, ROBERT, US
[72] SILVA, MICHAEL, US
[72] HAFLETT, CORY, US
[72] NOONAN, MICHAEL, US
[72] EISENBERG, ZEV, US
[72] AVELAR, DUARTE, US
[72] AGUIAR, MATTHEW, US
[73] SAVANT SYSTEMS, INC., US
[85] 2015-12-18
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[25] EN
[54] **DENDRITIC CELL ASGPR TARGETING IMMUNOTHERAPEUTICS FOR MULTIPLE SCLEROSIS**
[54] **IMMUNOTHERAPIE PAR CIBLAGE D'ASGPR DE CELLULES DENDRITIQUES POUR LA SCLEROSE EN PLAQUES**
[72] OH, SANGKON, US
[72] ZURAWSKI, GERARD, US
[73] BAYLOR RESEARCH INSTITUTE, US
[85] 2015-12-22
[86] 2014-06-27 (PCT/US2014/044711)
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[25] EN
[54] **CLOSURE DEVICE FOR BOTTLES**
[54] **DISPOSITIF DE FERMETURE POUR BOUTEILLES**
[72] CARRARO, EMANUELE, IT
[73] CB STAMPI S.R.L. UNIPERSONALE, IT
[85] 2015-12-23
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[25] EN
[54] **COMBINATION THERAPY COMPRISING A CDK4/6 INHIBITOR AND AN AROMATASE INHIBITOR OR FULVESTRANT FOR THE TREATMENT OF CANCER**
[54] **THERAPIE COMBINEE COMPRENANT UN INHIBITEUR CDK4/6 ET UN INHIBITEUR DE L'AROMATASE OU UN FULVESTRANT POUR LE TRAITEMENT DU CANCER**
[72] CHEN, YAN, US
[72] HUANG, XIZHONG, US
[72] KIM, SUNKYU, US
[73] NOVARTIS AG, CH
[85] 2016-01-13
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[54] **PRESSURE-REGULATING FLUID TRANSFER SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRANSFERT DE FLUIDES A PRESSION REGULEE**
[72] CHHIKARA, BHUPINDER, US
[72] LINGUTLA, SRINATH, US
[72] EADS, BRANDON, US
[73] ICU MEDICAL, INC., US
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[25] EN
[54] **SYSTEM FOR PROCESSING AN ENCRYPTED INSTRUCTION STREAM IN HARDWARE**
[54] **SYSTEME DE TRAITEMENT, PAR LE MATERIEL, D'UN FLUX CONTINU D'INSTRUCTIONS CHIFFREES**
[72] GRISWOLD, RICHARD L., US
[72] NICKLESS, WILLIAM K., US
[72] CONRAD, RYAN C., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2016-01-12
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[25] EN
[54] **DEVICE FOR REGULATING INJECTION PRESSURE IN ENHANCED OIL RECOVERY**
[54] **DISPOSITIF PERMETTANT DE REGULER LA PRESSION D'INJECTION DANS LA RECUPERATION AMELIOREE DE PETROLE**
[72] PICH, EMMANUEL, FR
[72] BONNIER, JULIEN, FR
[73] SPCM SA, FR
[86] (2920032)
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[54] **SHOWER BASE PANEL COMPRISING A FUNCTIONAL ELEMENT**
[54] **PANNEAU DE BASE DE DOUCHE COMPORTANT UN ELEMENT FONCTIONNEL**
[72] WEDI, STEPHAN, DE
[73] WEDI GMBH, DE
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[54] **A DATA TRANSMISSION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE TRANSMISSION DE DONNEES**
[72] BRIGHTON, MARK, GB
[72] FERRER, JUDD, GB
[73] SPARKLE CS LTD, GB
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[54] **SPARE TIRE CARRIER DEVICE**
[54] **DISPOSITIF PORTEUR DE PNEU DE SECOURS**
[72] GOSS, THOMAS MICHAEL, US
[72] SCHULTZ, TIMOTHY D., US
[72] KROBOT, BORIVOJ, US
[73] NORCO INDUSTRIES, INC., US
[86] (2922000)
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[25] EN
[54] **AUTO-RACK RAILROAD CAR VEHICLE RESTRAINT APPARATUS**
[54] **APPAREIL DE RETENUE DE VEHICULE POUR WAGON FERROVIAIRE PORTE-AUTOMOBILES**
[72] ANDERSON, JOHN D., US
[72] PEACH, WALTER J., US
[72] BURKE, MICHAEL K., US
[73] TRANSPORTATION IP HOLDINGS, LLC, US
[85] 2016-02-25
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[25] EN
[54] **RAPID TARGETING ANALYSIS IN CROPS FOR DETERMINING DONOR INSERTION**
[54] **ANALYSE PAR CIBLAGE RAPIDE DANS DES CULTURES POUR DETERMINER UNE INSERTION DE DONNEUR**
[72] SASTRY-DENT, LAKSHMI, US
[72] AINLEY, W. MICHAEL, US
[72] SAMUEL, JAYAKUMAR P., US
[72] CAO, ZEHUI, US
[72] SHEN, LIU Y., US
[72] DEWES, CRISTIE M., US
[73] CORTEVA AGRISCIENCE LLC, US
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[54] **METAL THERMAL SPRAY METHOD**
[54] **PROCEDE DE PROJECTION THERMIQUE DE METAL**
[72] MORII, NAOHARU, JP
[73] BILD LAND CO., LTD., JP
[85] 2016-03-10
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[54] **SYSTEME D'HUMIDIFICATION**
[72] JACKSON, JOHN JAMES, NZ
[72] MANON, BARRY SHACK, NZ
[72] CORRALES, VICTOR ROSALES, NZ
[72] VAN WORKUM, STEFAN LEO, NZ
[72] ANDRESEN, MICHAEL JOHN, NZ
[72] EVANS, STEPHEN DAVID, NZ
[72] HAMILTON, MARK SAMUEL, NZ
[72] BUCKLEY, PAUL FLEMING, NZ
[72] KLENNER, JASON ALLAN, NZ
[72] OSBORNE, HAMISH, NZ
[72] BOGGS, SAMUEL GRAHAM, NZ
[72] STANTON, JAMES WILLIAM, NZ
[72] GRIFFITHS, JOSEPH NATHANIEL, NZ
[72] LAMBERT, JONATHAN ANDREW GEORGE, NZ
[72] VAUGHAN, NICHOLAS EDWARD, NZ
[72] KEHOE, JAMES OWEN, NZ
[72] DE LA FUENTE, FRANCISCO ERNESTO DE LA PENA, NZ
[72] MCKENNA, NICHOLAS JAMES MICHAEL, NZ
[72] PORTER, RACHAEL, NZ
[72] STAM, SIMON MORDECHAI, NZ
[72] KEMPS, DAVID ROBERT, NZ
[72] LYONS, EDWIN JOSEPH, NZ
[72] MARTIN, MADELEINE BESS, NZ
[72] SHOU, ADA YIWEN, NZ
[72] LIU, HUANG-KU, NZ
[73] FISHER AND PAYKEL HEALTHCARE LIMITED, NZ
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[30] US (61/877,566) 2013-09-13
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[54] **HERBICIDAL COMPOUNDS**
[54] **COMPOSES HERBICIDES**
[72] PHADTE, MANGALA, IN
[72] SONAWANE, RAVINDRA, IN
[72] MORRIS, JAMES ALAN, GB
[72] BOEHMER, JUTTA ELISABETH, GB
[72] DESSON, TIMOTHY ROBERT, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[72] LING, KENNETH, GB
[72] HENNESSY, ALAN JOSEPH, GB
[72] HOTSON, MATTHEW BRIAN, GB
[72] LONGSTAFF, ADRIAN, GB
[72] RUSSELL, CLAIRE JANET, GB
[72] GOODWIN-TINDALL, JAKE, GB
[73] SYNGENTA PARTICIPATIONS AG, CH
[73] SYNGENTA LIMITED, GB
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[25] EN
[54] **COMPOSITIONS OF VACCINES AND ADJUVANTS AND METHODS FOR THE TREATMENT OF URINARY TRACT INFECTIONS**
[54] **COMPOSITIONS DE VACCINS, ADJUVANTS ET PROCEDES POUR LE TRAITEMENT D'INFECTIONS URINAIRES**
[72] ELDRIDGE, GARY, US
[72] MARTIN, STEVEN, US
[73] SEQUOIA VACCINES, US
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[25] EN
[54] **WELLBORE THERMAL FLOW, STRESS AND WELL LOADING ANALYSIS WITH JET PUMP**
[54] **ANALYSE DU FLUX THERMIQUE, DES CONTRAINTES ET DE LA CHARGE D'UN PUITS DE FORAGE A L'AIDE D'UN EJECTEUR**
[72] GONZALES, ADOLFO C., US
[72] SAMUEL, ROBELLO, US
[72] KANG, YONGFENG, US
[72] LIU, ZHENGCHUN, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[25] EN
[54] **A TIN-CONTAINING ZEOLITIC MATERIAL HAVING AN MWW-TYPE FRAMEWORK STRUCTURE**
[54] **MATERIAU ZEOLITIQUE CONTENANT DE L'ETAIN PRESENTANT UNE STRUCTURE CHARPENTEE DE TYPE MWW**
[72] PARVULESCU, ANDREI-NICOLAE, DE
[72] MULLER, ULRICH, DE
[72] UHL, GEORG, DE
[72] TELES, JOAQUIM HENRIQUE, DE
[72] VAUTRAVERS, NICOLAS, DE
[72] RIEDEL, DOMINIC, DE
[73] BASF SE, DE
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[54] **DRILLING APPARATUS**
[54] **APPAREIL DE FORAGE**
[72] WIERCIGROCH, MARIAN, GB
[73] ITI SCOTLAND LIMITED, GB
[85] 2016-04-08
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[54] **MELANGES AGRICOLES COMPRENANT UN COMPOSE CARBOXAMIDE**
[72] GEWEHR, MARKUS, DE
[72] SIKULJAK, TATJANA, DE
[73] BASF AGROCHEMICAL PRODUCTS B.V., NL
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[54] **CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**
[72] SATO, MASAAKI, JP
[72] KANNO, KAZUHIKO, JP
[72] NISHIYA, SATOSHI, JP
[72] YAMASHITA, MASATOSHI, JP
[73] CANON KABUSHIKI KAISHA, JP
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[25] FR
[54] **COMPOSITIONS BASED ON METHYL CYCLODEXTRINS FOR THE TREATMENT AND/OR PREVENTION OF DISEASES BY INCREASING THE HDL CHOLESTEROL LEVEL**
[54] **COMPOSITIONS A BASE DE METHYL-CYCLODEXTRINES POUR LE TRAITEMENT ET/OU LA PREVENTION DE MALADIES PAR AUGMENTATION DU TAUX DE CHOLESTEROL-HDL**
[72] SALOME, MARC, FR
[72] WILS, DANIEL, FR
[72] PARISSAUX, XAVIER, FR
[72] MACH, FRANCOIS, CH
[72] MONTECUCCO, FABRIZIO, CH
[73] ROQUETTE FRERES, FR
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[54] **PREVENTION OF STAPHYLOCOCCUS AUREUS INFECTIONS BY GLYCOPROTEIN VACCINES SYNTHESIZED IN ESCHERICHIA COLI**
[54] **PREVENTION DES INFECTIONS PAR STAPHYLOCOCCUS AUREUS AVEC DES VACCINS GLYCOPROTEIQUES SYNTHETISES DANS ESCHERICHIA COLI**
[72] WACKER, MICHAEL, CH
[72] KOWARIK, MICHAEL, CH
[72] WETTER, MICHAEL, CH
[73] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **ELEMENTS REGULATEURS DE ZEA MAYS ET LEURS UTILISATIONS**
[72] GUPTA, MANJU, US
[72] BENNETT, SARA, US
[72] ELANGO, NAVIN, US
[72] MUTHURAMAN, KARTHIK N., US
[72] BERINGER, JEFFREY, US
[72] WU, HUIXIA, US
[73] CORTEVA AGRISCIENCE LLC, US
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[54] **TETRAHYDROPYRIDOPYRAZINE MODULATORS OF GPR6**
[54] **MODULATEURS DU GPR6 A BASE DE TETRAHYDROPYRIDOPYRAZIN E**
[72] BROWN, JASON, US
[72] HITCHCOCK, STEPHEN, US
[72] HOPKINS, MARIA, US
[72] KIKUCHI, SHOTA, US
[72] MONENSCHEIN, HOLGER, US
[72] REICHARD, HOLLY, US
[72] SCHLEICHER, KRISTIN, US
[72] SUN, HUKAI, US
[72] MACKLIN, TODD, US
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[54] **PISTON ARRANGEMENT**
[54] **AGENCEMENT DE PISTON**
[72] BOWEN, RYAN, GB
[73] NEWLENOIR LIMITED, GB
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[25] EN
[54] **ACRYLAMIDE-BASED POLYMER, PAPER STRENGTH AGENT, AND PAPER**
[54] **POLYMERE D'ACRYLAMIDE, AGENT AUGMENTANT LA RESISTANCE DU PAPIER ET PAPIER**
[72] SATO, HIROTAKA, JP
[72] HORII, TADAAKI, JP
[72] KURIHARA, TAKANORI, JP
[72] FUJIWARA, TAKAHIRO, JP
[72] INAOKA, KAZUSHIGE, JP
[73] HARIMA CHEMICALS, INCORPORATED, JP
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[54] **RECIPROCATING HAMMER WITH DOWNWARD THRUST ASSIST**
[54] **MARTEAU A VA-ET-VIENT AVEC ASSISTANCE A LA POUSSEE VERS LE BAS**
[72] JINNINGS, JOHN, US
[72] WIDENHOEFER, BRIAN, US
[72] CONNERLEY, JAMES J., US
[73] HERCULES MACHINERY CORPORATION, US
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[54] **MACROCYCLIC FACTOR XIA INHIBITORS CONDENSED WITH HETEROCYCLES**
[54] **INHIBITEURS MACROCYCLIQUES DU FACTEUR XIA CONDENSES A L'AIDE D'HETEROCYCLES**
[72] DILGER, ANDREW K., US
[72] CORTE, JAMES R., US
[72] DE LUCCA, INDAWATI, US
[72] FANG, TIANAN, US
[72] YANG, WU, US
[72] WANG, YUFENG, US
[72] PABBISETTY, KUMAR BALASHANMUGA, US
[72] EWING, WILLIAM R., US
[72] ZHU, YEHENG, US
[72] WEXLER, RUTH R., US
[72] PINTO, DONALD J.P., US
[72] ORWAT, MICHAEL J., US
[72] SMITH, LEON M., II, US
[73] BRISTOL-MYERS SQUIBB COMPANY, US
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[54] **SYSTEME ET METHODE DE MESURE DE LA DEGRADATION THERMIQUE DES COMPOSITES**
[72] SHELLEY, PAUL H., JR., US
[72] WERNER, GREGORY J., US
[72] MILOSEVIC, MILAN, US
[73] THE BOEING COMPANY, US
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[54] **COMMANDE EXTERNE POUR POMPE DE RECIRCULATION D'EAU CHAUDE**
[72] KELLICKER, ROBERT, US
[72] PERRONE, CARL A., US
[73] TACO, INC., US
[85] 2016-08-11
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[54] **CRYSTALLINE SOLID FORMS OF N-{4-[(6,7-DIMETHOXYQUINOLIN-4-YL)OXY]PHENYL}-N'-(4-FLUOROPHENYL) CYCLOPROPANE-1,1-DICARBOXAMIDE, PROCESSES FOR MAKING, AND METHODS OF USE**
[54] **FORMES SOLIDES CRISTALLINES DU N-{4-[(6,7-DIMETHOXYQUINOLIN-4-YL)OXY]PHENYL}-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE, PROCEDES DE PREPARATION, ET METHODES D'UTILISATION**
[72] AFTAB, DANA T., US
[72] GUZ, NATHAN, US
[72] LAU, STEPHEN, US
[72] HAMILL, NOEL, GB
[72] WALKER, TRACY, GB
[72] GALBRAITH, JANA, GB
[72] YAU, SIMON, US
[72] SHAH, KHALID, US
[73] EXELIXIS, INC., US
[85] 2016-08-11
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[25] EN
[54] **COMPLEMENT COMPONENT C5 ANTIBODIES**
[54] **ANTICORPS ANTI-COMPOSANT C5 DE DU SYSTEME DE COMPLEMENT**
[72] BACIU, PETER C., US
[72] LIANG, YANBIN, US
[72] GUU, JASON, US
[72] BERNETT, MATTHEW, US
[72] MUCHHAL, UMESH, US
[72] DESJARLAIS, JOHN, US
[73] ALLERGAN, INC., US
[73] XENCOR, INC., US
[85] 2016-08-12
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[25] EN
[54] **MULTISPECIFIC ANTIBODIES**
[54] **ANTICORPS MULTISPECIFIQUES**
[72] SCHAEFER, WOLFGANG, DE
[72] KLEIN, CHRISTIAN, CH
[72] IMHOF-JUNG, SABINE, DE
[72] KLOSTERMANN, STEFAN, DE
[72] MOLHOJ, MICHAEL, DE
[72] REGULA, JOERG THOMAS, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **ROTARY POSITIVE-DISPLACEMENT MACHINE**
[54] **MACHINE VOLUMETRIQUE ROTATIVE**
[72] DMITRIEV, OLEG, GB
[72] TABOTA, EVGENIY, GB
[73] VERT ROTORS UK LIMITED, GB
[85] 2016-08-18
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[54] **EYE GAZE TRACKING BASED UPON ADAPTIVE HOMOGRAPHY MAPPING**
[54] **POURSUITE OCULAIRE BASEE SUR UN MAPPAGE D'HOMOGRAPHIE ADAPTATIF**
[72] ZHANG, ZHENGYOU, US
[72] CAI, QIN, US
[72] LIU, ZICHENG, US
[72] HUANG, JIA-BIN, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION**
[54] **SYSTEMES ET METHODES DE CLASSEMENT D'ELEMENTS MULTIMEDIAS EN FONCTION D'INFORMATIONS DE LECTURE**
[72] WICKENKAMP, VENESSA, US
[73] ROVI GUIDES, INC., US
[85] 2016-08-22
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[54] **DEGRADABLE HYDROGEL WITH PREDICTABLE TUNING OF PROPERTIES, AND COMPOSITIONS AND METHODS THEREOF**
[54] **HYDROGEL DEGRADABLE AVEC AJUSTEMENT PREVISIBLE DES PROPRIETES, ET COMPOSITIONS ET PROCEDES POUR CELUI-CI**
[72] SONG, JIE, US
[72] XU, JIANWEN, US
[73] UNIVERSITY OF MASSACHUSETTS, US
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[54] **METHOD FOR REDUCING THE DNA CONTENT OF A FERMENTATION BROTH**
[54] **PROCEDE DE REDUCTION DU TAUX D'ADN D'UN BOUILLON DE FERMENTATION**
[72] HOBEL, CEDRIC, DK
[72] ANDERSEN, HEIDI WINTERBERG, DK
[72] PIND, PETER FRODE, DK
[72] KEPKA, CECILIA JANSSON, DK
[73] NOVOZYMES A/S, DK
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[54] **CENTRIFUGAL MICROFLUIDIC CHIP CONTROL**
[54] **MICRO-CONTROLEUR POUR DISPOSITIFS MICROFLUIDIQUES CENTRIFUGES**
[72] VERES, TEODOR, CA
[72] BRASSARD, DANIEL, CA
[72] CLIME, LIVIU, CA
[72] NORMANDIN, FRANCOIS, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **POLYURETHANE ADHESIVES FOR REVERSE OSMOSIS MODULES**
[54] **ADHESIFS DE POLYURETHANE POUR MODULES D'OSMOSE INVERSE**
[72] KAHLE, GORDON, US
[72] JORDAN, RICHARD, US
[73] ELANTAS PDG, INC., US
[85] 2016-09-12
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[54] **CAT APPEASING PHEROMONE**
[54] **PHEROMONE APAISANTE POUR CHAT**
[72] PAGEAT, PATRICK, FR
[73] INSTITUT DE RECHERCHE EN SEMIOCHIMIE ET ETHOLOGIE APPLIQUEE, FR
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[54] **FILTERING PANEL AND METHOD OF MAKING THE SAME**
[54] **PANNEAU FILTRANT ET SON PROCEDE DE FABRICATION**
[72] BRASCHI, MARCO, IT
[72] NEGRINI, ROBERTO, IT
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2016-10-13
[86] 2015-06-05 (PCT/EP2015/062601)
[87] (WO2015/185736)
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[54] **VOLUMIZING MASCARA COMPOSITIONS**
[54] **COMPOSITIONS DE MASCARA VOLUMATEUR**
[72] FAVA BEKISZ, COLLETTE, US
[72] RANADE, RAHUL A., US
[73] AVON PRODUCTS, INC., US
[85] 2016-10-14
[86] 2015-04-01 (PCT/US2015/023769)
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[54] **LOCATION ERROR RADIUS DETERMINATION**
[54] **DETERMINATION DE RAYON D'ERREUR DE LOCALISATION**
[72] LIN, JYH-HAN, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-10-21
[86] 2015-05-06 (PCT/US2015/029335)
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[25] EN
[54] **CATALYST COMPONENT FOR PROPENE POLYMERIZATION, PREPARATION METHOD THEREOF, AND CATALYST CONTAINING THE SAME**
[54] **COMPOSANT DE CATALYSEUR POUR POLYMERISATION DE PROPYLENE, PROCEDE DE PREPARATION ASSOCIE ET CATALYSEUR CONTENANT CE COMPOSANT**
[72] WANG, JUN, CN
[72] GAO, MINGZHI, CN
[72] LIU, HAITAO, CN
[72] MA, JING, CN
[72] CHEN, JIANHUA, CN
[72] CAI, XIAOXIA, CN
[72] MA, JIXING, CN
[72] LI, CHANGXIU, CN
[72] HU, JIANJUN, CN
[72] ZHANG, XIAOFAN, CN
[72] LI, XIANZHONG, CN
[72] ZHANG, ZHIHUI, CN
[72] DUAN, RUILIN, CN
[72] YANG, LINNA, CN
[72] MA, CHANGYOU, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
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[30] CN (201410168805.7) 2014-04-24
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[25] EN
[54] **NOVEL VERTEBRATE CELLS AND METHODS FOR RECOMBINANTLY EXPRESSING A POLYPEPTIDE OF INTEREST**
[54] **NOUVELLES CELLULES DE VERTEBRE ET PROCEDES D'EXPRESSION PAR RECOMBINAISON D'UN POLYPEPTIDE D'INTERET**
[72] LAUX, HOLGER, CH
[72] ROMAND, SANDRINE, CH
[72] BODENDORF, URSULA, CH
[73] NOVARTIS AG, CH
[85] 2016-10-26
[86] 2015-04-29 (PCT/IB2015/053110)
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[30] US (61/985,589) 2014-04-29
[30] US (61/994,310) 2014-05-16

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[13] C
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[25] EN
[54] **VENT ASSEMBLY AND METHOD FOR A DIGITAL VALVE POSITIONER**
[54] **ENSEMBLE EVENT ET PROCEDE POUR POSITIONNEUR DE VANNE NUMERIQUE**
[72] WINKLER, RICHARD J., US
[72] JUNK, KENNETH W., US
[72] JELKEN, SHANNON E., US
[72] ROESSLER, FRANCIS C., US
[72] MACK, CHRISTOPHER J., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2016-10-27
[86] 2015-05-01 (PCT/US2015/028692)
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[25] EN
[54] **OIL-FREE COMPRESSOR CRANKCASE COOLING ARRANGEMENT**
[54] **AGENCEMENT DE REFROIDISSEMENT DE CARTER DE COMPRESSEUR SANS HUILE**
[72] HRITZ, JEFFREY, US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2016-10-27
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[30] US (61/990,934) 2014-05-09
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[25] EN
[54] **SURFACE COATING STRUCTURE ADAPTED TO BE QUICKLY INSTALLED AND REMOVED**
[54] **STRUCTURE DE REVETEMENT DE SURFACE ADAPTEE POUR ETRE RAPIDEMENT INSTALLEE ET RETIREE**
[72] AQUILANI, ENRICO, IT
[73] I DECK S.R.L., IT
[85] 2016-11-01
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[30] IT (RM2014A000219) 2014-05-05

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[51] **Int.Cl. C05D 9/02 (2006.01)**
[25] EN
[54] **INCREASED LONGEVITY OF THE NITROGEN CONTENT OF SOIL THROUGH IMPROVED LIQUID DELIVERY FORMULATIONS OF NITRIFICATION INHIBITORS DESIGNED FOR UREA AND MANURE BASED FERTILIZERS**
[54] **LONGEVITE ACCRUE DE LA TENEUR EN AZOTE DANS LE SOL A L'AIDE DE FORMULATIONS DE DISTRIBUTION DE LIQUIDE D'INHIBITEURS DE NITRIFICATION CONCUES POUR LES ENGRAIS A BASE D'UREE ET DE FUMIER**
[72] MCKNIGHT, GARY DAVID, US
[72] RAYBORN, RANDALL LINWOOD, US
[72] PARKER, DAVID BRUCE, US
[72] XU, WEI, US
[72] PERKINS, RAYMOND PATRICK, US
[72] YANG, ZEHUI, CN
[73] SOILGENIC TECHNOLOGIES, LLC, US
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[54] **PROCESS FOR PRODUCING A PACKAGE FOR A FOODSTUFF PRODUCT, IN PARTICULAR A CONFECTIONERY PRODUCT**
[54] **PROCEDE DE FABRICATION D'UN EMBALLAGE DESTINE A UN PRODUIT ALIMENTAIRE, EN PARTICULIER UN PRODUIT DE CONFISERIE**
[72] SAPPA, ENRICO, IT
[73] SOREMARTEC S.A., LU
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[54] **METHOD FOR DETECTING AND CHARACTERISING A MICROORGANISM**
[54] **PROCEDE POUR LA DETECTION ET LA CARACTERISATION D'UN MICRO-ORGANISME**
[72] JARVIUS, JONAS, SE
[72] GRAWE, JAN, SE
[73] Q-LINEA AB, SE
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[54] **TRACK PAD WEAR INDICATOR**
[54] **INDICATEUR D'USURE DE MAILLON DE CHENILLE**
[72] HAKES, DAVID J., US
[72] ABELLO, BENOIT, US
[72] LAWSON, ROGER E., US
[72] MARJANOVIC, ZORAN, US
[73] CATERPILLAR INC., US
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[54] **CONTROLLING THE FORMATION OF DISULFIDE BONDS IN PROTEIN SOLUTIONS BY ADDING REDUCING AGENTS**
[54] **CONTROLE DE LA FORMATION DES LIAISONS DISULFURE DANS DES SOLUTIONS PROTEIQUES PAR AJOUT D'AGENTS REDUCTEURS**
[72] KODURI, RAO, US
[72] BROWER, KEVIN P., US
[72] WARIKOO, VEENA, US
[72] YU, MARCELLA, US
[72] HWANG, CHRISTOPHER, US
[72] KONSTANTINOV, KONSTANTIN, US
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[73] GENZYME CORPORATION, US
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[54] **WEARABLE DEVICE ASSEMBLY HAVING ATHLETIC FUNCTIONALITY**
[54] **ENSEMBLE DE DISPOSITIF POUVANT ETRE PORTE AYANT UNE FONCTION ATHLETIQUE**
[72] WEAST, AARON B., US
[72] COBBETT, JAMIAN R., US
[72] CRANKSON, KWAMINA, US
[72] DRYDEN, MICHAEL, US
[73] NIKE INNOVATE C.V., US
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[54] **PROCESS FOR THE PREPARATION OF CYCLIC DEPSIPEPTIDES**
[54] **PROCEDE POUR LA PREPARATION DE PEPTIDES CYCLIQUES**
[72] PISCOPIO, ANTHONY D., US
[72] FU, XIAOYONG, CN
[72] SHI, FENG, CN
[72] LIU, HUAYAN, CN
[72] LI, ZHIFENG, CN
[73] ONKURE, INC., US
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[54] **OPTICALLY VARIABLE MAGNETIC SECURITY THREADS AND STRIPES**
[54] **FILS ET BANDES DE SECURITE MAGNETIQUES VARIABLES OPTIQUEMENT**
[72] DEMANGE, RAYNALD, CH
[72] FAVRE, DOMINIQUE, CH
[72] RITTER, GEBHARD, CH
[72] KRUEGER, JESSICA, CH
[72] DEGOTT, PIERRE, CH
[73] SICPA HOLDING SA, CH
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[25] EN
[54] **SYNTHETIC LONG PEPTIDES (SLP) FOR THERAPEUTIC VACCINATION AGAINST HEPATITIS B VIRUS INFECTION**
[54] **PEPTIDES LONGS SYNTHETIQUES (SLP) DESTINES A LA VACCINATION THERAPEUTIQUE CONTRE L'INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] KREBBER, WILHELMUS JOHANNES THEODORUS ALEXANDER, NL
[72] KESSLER, JOHAN HERMAN, NL
[72] MELIEF, CORNELIS JOSEPH MARIA, NL
[72] KWAPPENBERG, KITTY MICHELLE CORINNE, NL
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[54] **COMPOSITION CONTENANT DU PLATINE**
[72] KNOTT, WILFRIED, DE
[73] EVONIK OPERATIONS GMBH, DE
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[54] **INTEGRATED MICRO-ELECTROMECHANICAL SWITCHES AND A RELATED METHOD THEREOF**
[54] **MICRO-COMMUTATEURS ELECTROMECANIQUES INTEGRES ET PROCEDE ASSOCIE**
[72] AIMI, MARCO FRANCESCO, US
[72] SPENCE, DAN KENRICK, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-12-15
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[25] EN
[54] **BREAKER TOOTH AND DRUM ASSEMBLY FOR A MINERAL BREAKER**
[54] **DENT DE CONCASSEUR ET ENSEMBLE TAMBOUR POUR CONCASSEUR DE MINERAUX**
[72] BARBER, RICHARD, GB
[73] MMD DESIGN & CONSULTANCY LIMITED, GB
[85] 2016-12-23
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[54] **PRESS SEAL HAVING AN ELASTOMER BODY**
[54] **GARNITURE D'ETANCHEITE PRESSEE AVEC CORPS EN ELASTOMERE**
[72] EGRITEPE, SENOL, DE
[73] HAUFF TECHNIK GMBH & CO. KG, DE
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[54] **INDOLES FOR USE IN INFLUENZA VIRUS INFECTION**
[54] **INDOLES POUVANT ETRE UTILISES DANS L'INFECTION PAR LE VIRUS INFLUENZA**
[72] JONCKERS, TIM HUGO MARIA, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] GUILLEMONT, JEROME EMILE GEORGES, FR
[72] MC GOWAN, DAVID CRAIG, BE
[72] EMBRECHTS, WERNER CONSTANT JOHAN, BE
[72] COOYMANS, LUDWIG PAUL, BE
[72] MICHAUT, ANTOINE BENJAMIN, FR
[73] JANSSEN SCIENCES IRELAND UC, IE
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[54] **NOVEL ANTI-HUMAN TIE-2 ANTIBODY**
[54] **NOUVEL ANTICORPS ANTI-TIE2 HUMAIN**
[72] KAMOHARA, MASAZUMI, JP
[72] YAGI, SHIGENORI, JP
[72] ISHII, YOSHINORI, JP
[72] NARA, HIROMI, JP
[73] ASTELLAS PHARMA INC., JP
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[54] **SOLAR ENERGY SYSTEM**
[54] **SYSTEME D'ENERGIE SOLAIRE**
[72] FISCHER, JAY D., US
[73] TYLL SOLAR, LLC, US
[73] FISCHER, JAY D., US
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[25] EN
[54] **METHOD FOR THE PREPARATION OF UNIFORM, HIGH MOLAR MASS CYCLIC IMINO ETHER POLYMERS**
[54] **PROCEDE DE PREPARATION DE POLYMERES D'IMINOETHER CYCLIQUE A MASSE MOLAIRE ELEVEE, UNIFORMES**
[72] HOOGENBOOM, RICHARD, NL
[72] MONNERY, BRYN, BE
[73] UNIVERSITEIT GENT, BE
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[51] **Int.Cl. A47K 3/02 (2006.01) E06B 5/00 (2006.01)**
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[54] **VERTICAL BATHTUB CLOSURE SYSTEMS AND METHODS**
[54] **MECANISMES DE FERMETURE DE BAIGNOIRE VERTICALE ET METHODES**
[72] MCKEE, DONALD FLOYD, US
[72] STAFFORD, CHRISTOPHER BRIAN, US
[73] SAFEWAY SAFETY STEP, LLC, US
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[54] **PLACE DE MARCHE EN LIGNE A FINANCEMENT PAR LE VENDEUR**
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[73] DZIUK, MARK V., US
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[54] **DEVICES AND METHODS FOR INCREASING THE STRENGTH OF AN AUTOMOTIVE TRANSMISSION**
[54] **DISPOSITIFS ET METHODES DESTINES A L'AUGMENTATION DE LA SOLIDITE D'UNE TRANSMISSION D'AUTOMOBILE**
[72] DIAL, JAMES A., US
[72] STREED, ERIC W., US
[73] SONNAX TRANSMISSION COMPANY, US
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[54] **PACKAGING AND HYDROPHILIC COATING OF URINARY CATHETER**
[54] **EMBALLAGE ET REVETEMENT HYDROPHILE DE CATHETER URINAIRE**
[72] YIN, ZHIHUI, US
[72] SILVER, ADAM, US
[72] FISH, DAVID, US
[72] ROBERTS, TOM, US
[73] C.R. BARD, INC., US
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[25] EN
[54] **ACTIVE COMPOUND AND RELATED COMPOSITION FOR DERMATOLOGICAL USE IN THE PHARMACEUTICAL OR COSMETIC FIELD**
[54] **COMPOSE ACTIF ET COMPOSITION ASSOCIEE POUR UTILISATION DERMATOLOGIQUE DANS LE DOMAINE PHARMACEUTIQUE OU COSMETIQUE**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[72] MARZANI, BARBARA, IT
[72] BARONI, SERGIO, IT
[72] PINI, ELENA, IT
[73] GIULIANI S.P.A., IT
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[54] **FILTRATION SYSTEM FOR USE IN A GAS TURBINE ENGINE ASSEMBLY AND METHOD OF ASSEMBLING THEREOF**
[54] **SYSTEME DE FILTRATION A UTILISER DANS UN ENSEMBLE MOTEUR A TURBINE A GAZ ET SON PROCEDE D'ASSEMBLAGE**
[72] TAYLOR, ROBERT WARREN, US
[72] HINER, STEPHEN DAVID, GB
[72] BRYANT, PAUL SHERWOOD, GB
[73] PARKER-HANNIFIN CORPORATION, US
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[54] **TETRAHYDRONAPHTHALENE DERIVATIVES THAT INHIBIT MCL-1 PROTEIN**
[54] **DERIVES DU TETRAHYDRONAPHTALENE INHIBANT LA PROTEINE MCL-1**
[72] BROWN, SEAN P., US
[72] LI, YUNXIAO, US
[72] LIZARZABURU, MIKE ELIAS, US
[72] LUCAS, BRIAN S., US
[72] PARAS, NICK A., US
[72] TAYGERLY, JOSHUA, US
[72] VIMOLRATANA, MARC, US
[72] WANG, XIANGHONG, US
[72] YU, MING, US
[72] ZANCANELLA, MANUEL, US
[72] ZHU, LIUSHENG, US
[72] GONZALEZ BUENROSTRO, ANA, US
[72] LI, ZHIHONG, US
[73] AMGEN INC., US
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[54] **DISAMBIGUATION OF KEYBOARD INPUT**
[54] **DESAMBIGUISATION D'ENTREE DE CLAVIER**
[72] BUXTON, WILLIAM A. S., US
[72] HUGHES, RICHARD L., US
[72] HINCKLEY, KENNETH P., US
[72] PAHUD, MICHEL, US
[72] SPIRIDONOVA, IRINA, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[25] EN
[54] **PROVIDING NETWORK CONNECTIVITY AND ACCESS TO CONTENT AND COMMUNICATIONS VIA MOVING OBJECTS**
[54] **FOURNITURE D'UNE CONNECTIVITE DE RESEAU ET D'UN ACCES A UN CONTENU ET DES COMMUNICATIONS PAR L'INTERMEDIAIRE D'OBJETS MOBILES**
[72] HORVITZ, ERIC, US
[72] KAPOOR, ASHISH, US
[72] LIU, JIE, US
[72] CHANDRA, RANVEER, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[25] EN
[54] **PRODUCTION OF HYDROCARBONS BY KOLBE DECARBOXYLATION OF A MIXTURE OF SATURATED AND UNSATURATED FATTY ACIDS**
[54] **PRODUCTION D'HYDROCARBURES PAR DECARBOXYLATION PAR REACTION DE KOLBE D'UN MELANGE D'ACIDES GRAS SATURES ET INSATURES**
[72] MALEVICH, DZMITRY, CA
[72] GIBSON, GRAHAM THOMAS THORTON, CA
[73] ADVONEX INTERNATIONAL CORP., CA
[85] 2017-03-09
[86] 2015-09-15 (PCT/CA2015/050888)
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[54] **AIRCRAFT BRAKE ASSEMBLY STRUCTURES FOR REDUCING NOISE**
[54] **STRUCTURES D'ENSEMBLE FREIN D'AVION PERMETTANT DE REDUIRE LE BRUIT**
[72] HILL, JAMES L., US
[72] SUPONCIC, MICHAEL J., US
[72] CLASON, JAMIE B., US
[72] EPLIN, MATTHEW E., US
[72] ECCLES, MICHAEL B., GB
[72] HALL, JOHN M., US
[72] BURKHALTER, KURT, US
[72] DYKO, MARK P., US
[72] GLAZNIEKS, DENE W., GB
[72] FEHR, DANA J., US
[73] MEGGITT AIRCRAFT BRAKING SYSTEMS CORPORATION, US
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[30] US (62/048,443) 2014-09-10

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[54] **HYPOVOLEMIA/HYPERVOLEMIA DETECTION USING PERIPHERAL INTRAVENOUS WAVEFORM ANALYSIS (PIVA) AND APPLICATIONS OF SAME**
[54] **DETECTION D'HYPOVOLEMIE/D'HYPERVOLEMIE EN UTILISANT UNE ANALYSE DE FORME D'ONDE INTRAVEINEUSE PERIPHERIQUE (PIVA) ET APPLICATIONS ASSOCIEE**
[72] EAGLE, SUSAN, US
[72] BROPHY, COLLEEN, US
[72] HOCKING, KYLE, US
[72] BAUDENBACHER, FRANZ, US
[72] BOYER, RICHARD, US
[73] VANDERBILT UNIVERSITY, US
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[72] LOERA, JOHN MANUAL, US
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[72] GAUTHIER, GERARD PHILIPPE, FR
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[54] **PROCEDE DE STIMULATION HYDRAULIQUE ET DISPOSITIF DE STIMULATION HYDRAULIQUE CORRESPONDANT**
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[72] ROSELIER, SAMUEL, FR
[73] SALTEL INDUSTRIES, FR
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[72] BORTOLUZZI, GUIDO, IT
[72] GIROTTO, ADRIANO, IT
[72] MOLINER, LUCIO, IT
[73] BORTOLUZZI SISTEMI S.P.A., IT
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[72] LAURIN, PIERRE, CA
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[72] SUDARSAN, SRI, US
[73] THALES DIS CPL USA, INC., US
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[54] **ECHANGEUR DE CHALEUR A CONDENSATION A DOUBLE BOBINE POUR CHAUFFAGE ET ET/OU EAU CHAUDE DOMESTIQUE**
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[73] RIELLO S.P.A., IT
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[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[72] KAJII, FUMIHIKO, JP
[72] TANAKA, HIDENORI, JP
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[72] PETIT, STEPHANE, FR
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
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[54] **NOUVEAU PROCEDE DE CARBONISATION DE MATIERE LIGNOCELLULOSIQUE SOUS FORME DE POUDRE**
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[72] GAROFF, NIKLAS, SE
[73] STORA ENSO OYJ, FI
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[72] REKDAHL, KNUT ARVID SORENSEN, NO
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[72] ENNIS, DANIEL, US
[73] BENDIX SPICER FOUNDATION BRAKE LLC, US
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[54] **PROCEDE DE PRODUCTION DE PARTICULES ANISOTROPES DE PHOSPHATE DE ZINC ET DE PHOSPHATE MIXTE ZINC/METAL ET LEUR UTILISATION**
[72] ALBAYRAK, SENER, DE
[72] BECKER-WILLINGER, CARSTEN, DE
[72] BENTZ, DIRK, DE
[72] PERRE, EMILIE MARIE, FR
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[72] LIU, LEI, US
[72] BOUCHER, RAYMOND E., JR., US
[72] POWELS, GREG, US
[72] WILLIAMS, ALEX, US
[72] TUDYK, MIRIAM, US
[72] LOGAN, MARTIN C., US
[72] JAN, MINI, US
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[73] INTRAWAY R&D S.A., UY
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[72] HENDRICKS, ROBERT K., JR., US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[54] **APPARATUS AND METHOD FOR PERFORMING MOTION CAPTURE USING SHUTTER SYNCHRONIZATION**
[54] **APPAREIL ET METHODE PERMETTANT DE CAPTER LE MOUVEMENT PAR LA SYNCHRONISATION D'OBTURATEURS**
[72] LASALLE, GREG, US
[72] VAN DER LAAN, ROGER, US
[72] PERLMAN, STEPHEN G., US
[72] SPECK, JOHN, US
[72] COTTER, TIMOTHY S., US
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[54] **WASTE HEAT RECOVERY DEVICE, HEAT SUPPLY SYSTEM, AND OPERATION METHOD FOR WASTE HEAT RECOVERY DEVICE**
[54] **DISPOSITIF DE RECUPERATION DE LA CHALEUR PERDUE, SYSTEME D'APPROVISIONNEMENT EN CHALEUR ET METHODE D'EXPLOITATION DU DISPOSITIF DE RECUPERATION DE LA CHALEUR PERDUE**
[72] SHIBATA, YOSHITAKA, JP
[73] OSAKA GAS CO., LTD., JP
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[54] **SYSTEM AND METHOD FOR NON-INVASIVE BLOOD PRESSURE MEASUREMENT**
[54] **SYSTEME ET PROCEDE DE MESURE NON INVASIF DE LA PRESSION SANGUINE**
[72] ABU-TARIF, ASAD, US
[72] SHEN, GONGYU, US
[72] PISOLKAR, TANVI, US
[72] ZHANG, RUOMEI, US
[73] MIDMARK CORPORATION, US
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[54] **1-CYANO-PYRROLIDINE COMPOUNDS AS USP30 INHIBITORS**
[54] **COMPOSES 1-CYANO-PYRROLIDINE UTILISES COMME INHIBITEURS D'USP30**
[72] JONES, ALISON, GB
[72] KEMP, MARK, GB
[72] STOCKLEY, MARTIN, GB
[72] GIBSON, KARL, GB
[72] WHITLOCK, GAVIN, GB
[73] MISSION THERAPEUTICS LIMITED, GB
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[54] **PRESS-CLAMP WITH CLAMPING FORCE SENSOR FOR ELECTRIC TRANSFORMER WINDING**
[54] **PINCE A PRESSION DOTEE DE CAPTEUR DE FORCE DE SERRAGE DESTINEE A UN ENROULEMENT DE TRANSFORMATEUR ELECTRIQUE**
[72] TAMEZ TORRES, GERARDO, MX
[73] PROLEC-GE INTERNACIONAL, S. DE R.L. DE C.V., MX
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[54] **CYCLIC AMINE DERIVATIVE AND PHARMACEUTICAL USE THEREOF**
[54] **DERIVE D'AMINE CYCLIQUE ET UTILISATION PHARMACEUTIQUE DE CELUI-CI**
[72] ARAI, TADAMASA, JP
[72] MORITA, YASUHIRO, JP
[72] UDAGAWA, SHUJI, JP
[72] ISEKI, KATSUHIKO, JP
[72] IZUMIMOTO, NAOKI, JP
[73] TORAY INDUSTRIES, INC., JP
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[54] **.BETA.-D-2'-DEOXY-2'-.ALPHA.-FLUORO-2'-.BETA.-C-SUBSTITUTED-2-MODIFIED-N6-SUBSTITUTED PURINE NUCLEOTIDES FOR HCV TREATMENT**
[54] **NUCLEOTIDES DE PURINE .BETA.-D-2'-DESOXY-2'.ALPHA.-FLUORO-2'-.BETA.-C-SUBSTITUES-2-MODIFIES-N6-SUBSTITUES POUR LE TRAITEMENT DU VIRUS DE L'HEPATTITE C**
[72] SOMMADOSSI, JEAN-PIERRE, US
[72] MOUSSA, ADEL, US
[73] ATEA PHARMACEUTICALS, INC., US
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[72] MONSARRAT, BRUNO, CA
[72] FORTIN, YVES, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **MEMBRANE DE NANOFIBRES DE CELLULOSE, SA PREPARATION ET SON UTILISATION**
[72] MIHRANYAN, ALBERT, SE
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[54] **SELF-STACKING SPIRAL MODULAR PLASTIC CONVEYOR BELT WITH INTERMEDIATE SUPPORT**
[54] **COURROIE TRANSPORTEUSE EN MATIERE PLASTIQUE MODULAIRE EN SPIRALE A AUTO-EMPILEMENT AYANT SUPPORT INTERMEDIAIRE**
[72] BOGLE, DAVID W., US
[73] LAITRAM, L.L.C., US
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[54] **SYSTEMES DE PLANCHE A DECOUPER**
[72] ECKHOLM, SHERRY, US
[72] POSTER, MATTHEW J., US
[72] HARRIS, CHRISTOPHER A., US
[72] BABOCK, KATIE, US
[72] MUENSTERMANN, MIKE, US
[72] YOUNG, MICHAEL, US
[72] ALBRECHT, BRIAN, US
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[54] **SYSTEME ET PROCEDE PERMETTANT D'EFFECTUER UNE ACTION RELATIVE A UN SOL**
[72] WISSE, DIK-JAN, NL
[72] VAN DEN BERG, KAREL, NL
[73] LELY PATENT N.V., NL
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[54] **METHODS AND APPARATUS TO CONTROL AND MONITOR A FOLDING WINGTIP ACTUATION SYSTEM**
[54] **METHODES ET APPAREILS DE CONTROLE ET SURVEILLANCE D'UN SYSTEME D'ACTIONNEMENT D'EXTREMITE D'AILE PLIANTE**
[72] NIEMIEC, AARON, US
[72] HONSE, ADAM MICHAEL, US
[72] GARMIRE, GREGORY JAMES, US
[72] HRITZO, MIKE ANDREW, US
[73] THE BOEING COMPANY, US
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[54] **ESTABLISHMENT OF CONTAMINANT DEGRADATION RATES IN SOILS USING TEMPERATURE GRADIENTS, ASSOCIATED METHODS, SYSTEMS AND DEVICES**
[54] **ETABLISSEMENT DE TAUX DE DEGRADATION DE CONTAMINANTS DANS DES SOLS EN UTILISANT DES GRADIENTS DE TEMPERATURE, ET PROCEDES, SYSTEMES ET DISPOSITIFS ASSOCIES**
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[54] **AME TUBULAIRE ET METHODE**
[72] MILLER, ROBERT F., US
[72] GERSTEN, GARRETT C., US
[72] HINCKLEY, RUSSELL L., SR., US
[72] KRAUT, MICHAEL F., US
[73] PACIFIC ROLLER DIE COMPANY, INC., US
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[54] **FLECHE PORTE-OUTIL POUR UN VEHICULE UTILITAIRE**
[72] STUPHANN, ANDREAS, AT
[72] HAUER, RONALD, AT
[73] HAUER, RONALD, AT
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[54] **MANCHE DESTINEE A UN VETEMENT**
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[73] LULULEMON ATHLETICA CANADA INC., CA
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[54] **SYSTEME DE VENTILATION POUR VOUTE DE TROU D'HOMME**
[72] BERTINI, GLEN J., US
[72] SONGRAS, DONALD R., US
[72] NEWTON, MARK, US
[72] STEELE, JAMES, US
[73] NOVINIUM, LLC, US
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[54] **PROCEDE DE PRODUCTION DE NANOFIBRILLES DE CELLULOSE**
[72] CROSSLEY, BRUCE, US
[72] GERRER, MARC, US
[73] VALMET TECHNOLOGIES OY, FI
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[54] **VANNE DOTEE D'UN CONTENANT AJUSTABLE A DEUX PIECES DOTE D'UNE PIECE DE MONTANT INTEGRALE**
[72] JAMISON, MICHAEL, US
[73] MAC VALVES, INC., US
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[72] SHEPPARD, JAMES WILLIAM, ZA
[72] CAWOOD, MARTIN, ZA
[72] PASTORINO, PAOLO ETTORE, ZA
[73] EPIROC DRILLING TOOLS AB, SE
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[54] **WATER SOLUBLE POLYMERS AND POLYMERIC ADDUCTS ALONG WITH AQUEOUS SOLUTIONS THEREOF**
[54] **POLYMERES HYDROSOLUBLES ET PRODUITS D'ADDITION POLYMERES AVEC LEURS SOLUTIONS AQUEUSES**
[72] KIM, KYU-JUN, US
[72] HU, RONG, US
[72] GROVE, JEREMY L., US
[73] ARKEMA INC., US
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[72] MERCHEL, FRANK, US
[72] TARDIE, MICHAEL, US
[72] SHORT, ROBERT, US
[73] VALMET TECHNOLOGIES OY, FI
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[54] **PROCEDE ET SYSTEME DE CHANGEMENT DE BANQUE D'EMISSION DE CERTIFICAT DE CERTIFICAT ELECTRONIQUE**
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[73] 10353744 CANADA LTD., CA
[85] 2018-01-22
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[54] **CONTROL DEVICE FOR ELECTRIC VEHICLE AND CONTROL METHOD FOR ELECTRIC VEHICLE**
[54] **DISPOSITIF DE COMMANDE D'UN VEHICULE ELECTRIQUE ET METHODE DE COMMANDE D'UN VEHICULE ELECTRIQUE**
[72] HIRAKAWA, YOICHI, JP
[72] ITOU, KEN, JP
[72] KATSUMATA, YUJI, JP
[72] KOMATSU, HIROYUKI, JP
[73] NISSAN MOTOR CO., LTD., JP
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[54] **METHOD FOR TRANSMITTING HE-LTF SEQUENCE AND APPARATUS**
[54] **METHODE DE TRANSMISSION DE SEQUENCE HE-LTF ET APPAREIL**
[72] XUE, XIN, CN
[72] WANG, NINGJUAN, CN
[72] LIU, LE, CN
[72] LIN, WEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **EVITEMENT DE L'IRRUPTION D'EAU DANS DES SABLES NON COMPACTES**
[72] CHIN, LEE, US
[72] VIENOT, MICHAEL E., US
[73] CONOCOPHILLIPS COMPANY, US
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[54] **BIOMARQUEURS DESTINES AU CANCER DU COL DE L'UTERUS**
[72] WISMAN, GIJSBERTHA BARENDINA ALIDA, NL
[72] VAN DER ZEE, ATE GERARD JAN, NL
[72] SCHUURING, EDUARDUS MARIA DOMINICUS, NL
[73] RIJKSUNIVERSITEIT GRONINGEN, NL
[73] ACADEMISCH ZIEKENHUIS GRONINGEN, NL
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[54] **UPGRADED EBULLATED BED REACTOR USED WITH OPPORTUNITY FEEDSTOCKS**
[54] **REACTEUR A LIT BOUILLONNANT AMELIORE UTILISE AVEC DES CHARGES D'ALIMENTATION D'OPPORTUNITE**
[72] MOUNTAINLAND, DAVID M., US
[72] SILVERMAN, BRETT M., US
[72] RUETER, MICHAEL A., US
[72] SMITH, LEE, US
[73] HYDROCARBON TECHNOLOGY & INNOVATION, LLC, US
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[54] **IMPROVED REVERSE OSMOSIS OR NANOFILTRATION PROCESS FOR CLEANING WATER**
[54] **PROCEDE D'OSMOSE INVERSE OU DE NANO-FILTRATION AMELIORE POUR LA PURIFICATION D'EAU**
[72] DRAK, ALEX, IL
[72] EFRAT, TOMER, IL
[72] ZAKEN, ROI, IL
[73] I.D.E. TECHNOLOGIES LTD, IL
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[54] **VEHICLE REAR BODY STRUCTURE AND METHOD FOR MANUFACTURING THEREOF**
[54] **STRUCTURE DE CARROSSERIE ARRIERE DE VEHICULE ET SON PROCEDE DE FABRICATION**
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[73] ARCELORMITTAL, LU
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[54] **THREE DIMENSIONAL LIDAR SYSTEM WITH TARGETED FIELD OF VIEW**
[54] **LIDAR TRIDIMENSIONNEL AVEC CHAMP DE VISION CIBLE**
[72] HALL, DAVID S., US
[72] REKOW, MATHEW NOEL, US
[72] NESTINGER, STEPHEN S., US
[72] KERSTENS, PIETER J., US
[73] VELODYNE LIDAR USA, INC., US
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[54] **FLEXIBLE VULCANIZED JOINT BETWEEN TWO ELECTRIC POWER CABLES AND PROCESS FOR PRODUCING SAID JOINT**
[54] **JONCTION VULCANISEE FLEXIBLE ENTRE DEUX CABLES ELECTRIQUES ET PROCEDE DE PRODUCTION DE LADITE JONCTION**
[72] GHORBANI, HOSSEIN, SE
[72] REBILLARD, ERIC, SE
[72] ZLATKOVIC, SVETLANA, SE
[72] LINDAHL, SOFIE, SE
[73] NKT HV CABLES AB, SE
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[54] **FORECASTING FIELD LEVEL CROP YIELD DURING A GROWING SEASON**
[54] **PREVISION DE RENDEMENT DE CULTURE AU NIVEAU DU CHAMP PENDANT UNE SAISON DE CROISSANCE**
[72] XU, LIJUAN, US
[72] XU, YING, US
[73] CLIMATE LLC, US
[85] 2018-06-01
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[54] **SYSTEM AND METHODS FOR AUDITING A VIRTUAL MACHINE**
[54] **SYSTEME ET PROCEDES D'AUDIT D'UNE MACHINE VIRTUELLE**
[72] LUKACS, SANDOR, RO
[72] LUTAS, ANDREI-VLAD, RO
[72] ANICHITEI, IONEL C., RO
[73] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2018-06-12
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[54] **ATR BASED AMMONIA PROCESS AND PLANT**
[54] **PROCEDE ET USINE DE PRODUCTION D'AMMONIAC A BASE DE REFORMAGE AUTOTHERMIQUE**
[72] DAHL, PER JUUL, DK
[72] KROLL JENSEN, ANNETTE E., DK
[72] SCHJODT, NIELS CHRISTIAN, DK
[73] TOPSOE A/S, DK
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[54] **ACIDIC GAS RECOVERY SYSTEM AND RECLAIMING DEVICE TO BE USED IN SAME**
[54] **SYSTEME DE RECUPERATION DE GAZ ACIDE ET DISPOSITIF DE REPRISE A UTILISER DANS CE DERNIER**
[72] TANAKA, HIROSHI, JP
[72] HIRATA, TAKUYA, JP
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **MICROBIAL SYNTHESIS OF ISOPRENOID PRECURSORS, ISOPRENOIDS AND DERIVATIVES INCLUDING PRENYLATED AROMATICS COMPOUNDS**
[54] **SYNTHESE MICROBIENNE DE PRECURSEURS D'ISOPRENOIDES, D'ISOPRENOIDES ET DE DERIVES COMPRENANT DES COMPOSES AROMATIQUES PRENYLES**
[72] GONZALEZ, RAMON, US
[72] CLOMBURG, JAMES M., US
[72] CHEONG, SEOKJUNG, US
[73] WILLIAM MARSH RICE UNIVERSITY, US
[85] 2018-07-19
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[54] **CONFIGURABLE LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE CONFIGURABLE**
[72] BAILEY, CHRIS, US
[72] YADAV, PRITAM, US
[73] HUBBELL LIGHTING, INC., US
[85] 2018-07-20
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[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR IMPROVING OILFIELD OPERATIONS**
[54] **SYSTEME, PROCEDE ET APPAREIL PERMETTANT D'AMELIORER LES EXPLOITATIONS DES CHAMPS PETROLIFERES**
[72] MCMANAMON, PAUL F., US
[72] WILLS, J. STEPHEN, US
[73] EXCITING TECHNOLOGY, LLC, US
[85] 2018-07-24
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR IN VIVO INDUCTION OF PANCREATIC BETA CELL FORMATION**
[54] **PROCEDES ET COMPOSITIONS POUR L'INDUCTION IN VIVO DE LA FORMATION DE CELLULES BETA PANCREATIQUES**
[72] DOIRON, BRUNO, US
[72] DEFRONZO, RALPH A., US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **USING CELL-FREE DNA FRAGMENT SIZE TO DETERMINE COPY NUMBER VARIATIONS**
[54] **UTILISATION DE LA TAILLE DE FRAGMENTS D'ADN ACELLULAIRE POUR DETERMINER LES VARIATIONS DU NOMBRE DE COPIES**
[72] DUENWALD, SVEN, US
[72] COMSTOCK, DAVID A., US
[72] BARBACIORU, CATALIN, US
[72] CHUDOVA, DARYA I., US
[72] RAVA, RICHARD P., US
[72] JONES, KEITH W., US
[72] CHEN, GENGXIN, US
[72] SKVORTSOV, DIMITRI, US
[73] VERINATA HEALTH, INC., US
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[54] **FUEL COMPOSITIONS**
[54] **COMPOSITIONS DE CARBURANT**
[72] FILIP, SORIN VASILE, GB
[73] BP OIL INTERNATIONAL LIMITED, GB
[85] 2018-08-07
[86] 2017-02-09 (PCT/EP2017/052928)
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[54] **MULTILAYER BARRIER FILM**
[54] **FILM BARRIERE MULTICOUCHE**
[72] PLANETA, MIROSLAV, CA
[72] TAMBER, HARINDER, CA
[73] MACRO TECHNOLOGY INC., CA
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[54] **BATH ELECTRICAL HEATING DEVICE FOR DEACTIVATION**
[54] **DISPOSITIF POUR RECHAUFFER UNE CUVE DE DESACTIVATION**
[72] GAVRILIN, VIKTOR ALEKSEEVICH, RU
[72] STREBNEV, ALEKSANDR NIKOLAEVICH, RU
[73] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC), RU
[73] JOINT STOCK COMPANY "EXPERIMENTAL AND DESIGN ORGANIZATION "GIDROPRESS" AWARDED THE ORDER OF THE RED BANNER OF LABOUR AND CZSR ORDER OF LABOUR, RU
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[54] **BRUSH ACTUATOR FOR ACTUATING DOWNHOLE TOOLS**
[54] **ACTIONNEUR A BROSSE DESTINE A L'ACTIONNEMENT D'OUTILS DE FOND**
[72] COYLE, WILLIAM E., JR., US
[73] BILCO TOOLS, INC., US
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[54] **FENCE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CLOTURE**
[72] LOUCKS, PETER, US
[72] LAM, CHUN SING, US
[73] AP GLOBAL INNOVATIONS LLC, US
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[54] **SYSTEM AND METHOD FOR SYNCHRONIZING EXTERNAL COMPRESSION OF A LIMB FOR INCREASED BLOOD FLOW**
[54] **SYSTEME ET PROCEDE DE SYNCHRONISATION DE COMPRESSION EXTERNE D'UN MEMBRE POUR L'AUGMENTATION DU DEBIT SANGUIN**
[72] SALAMON, ADAM C., US
[72] HUGHSON, RICHARD L., CA
[72] PETERSON, SEAN D., CA
[72] PRINCE, CHEKEMA N., CA
[73] PRESSION LLC, US
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[54] **DISCRETE CARBON NANOTUBES WITH TARGETED OXIDATION LEVELS AND FORMULATIONS THEREOF**
[54] **NANOTUBES DE CARBONE DISCRETS A ETATS D'OXYDATION CIBLES ET LEURS FORMULATIONS**
[72] SWOGGER, KURT W., US
[72] BOSNYAK, CLIVE P., US
[72] HENDERSON, NANCY, US
[72] FINLAYSON, MALCOLM, US
[72] STURTEVANT, BRYCE D., US
[72] HOENIG, STEVE, US
[73] MOLECULAR REBAR DESIGN, LLC, US
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[25] EN
[54] **REGULATORY T CELL ACTIVATOR AND USE THEREOF**
[54] **ACTIVATEUR DE LYMPHOCYTE T REGULATEUR ET SON UTILISATION**
[72] SHIBUYA, AKIRA, JP
[72] SHIBUYA, KAZUKO, JP
[72] ABE, FUMIE, JP
[72] HIROCHIKA, REI, JP
[72] OKUMURA, GENKI, JP
[73] UNIVERSITY OF TSUKUBA, JP
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[25] EN
[54] **DEVICE AND METHOD FOR PREVENTING INTELLIGIBLE VOICE RECORDINGS**
[54] **PROCEDE ET DISPOSITIF DESTINES A EMPECHER LES ENREGISTREMENTS VOCAUX INTELLIGIBLES**
[72] SANTOS, ALEXANDRE, CA
[73] 12539322 CANADA INC., CA
[85] 2018-11-05
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[54] **REVERSE OSMOSIS SYSTEM WITH FLUIDIZED BED CRYSTALLIZER**
[54] **SYSTEME D'OSMOSE INVERSE A CRISTALLISOIR A LIT FLUIDISE**
[72] EFRAT, TOMER, IL
[72] DRAK, ALEX, IL
[73] I.D.E. TECHNOLOGIES LTD, IL
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[25] EN
[54] **AMBULATORY ASSISTANCE APPARATUS ADAPTABLE FOR A STAIRCASE**
[54] **APPAREIL D`AIDE A LA MARCHE POUVANT ETRE ADAPTE A UN ESCALIER**
[72] BRODIE, MARK, US
[72] SIGSWORTH, JOSHUA, US
[72] GINGRAS, MATTHEW, US
[73] STAIRASSIST WALKER, LLC, US
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[72] DEKKER, GERARD JOHAN, NL
[73] IRDETO B.V., NL
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[54] **CHAISE ET MECANISME DE SUPPORT DE SIEGE**
[72] SHIBAMOTO, YASUHIRO, JP
[72] XU, FEI, JP
[72] YAJIMA,TOSHIKI, JP
[73] KOKUYO CO., LTD., JP
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[54] **FRUSTULES EXTRACTED FROM BENTHIC PENNATE DIATOMS HARVESTED FROM AN INDUSTRIAL BIOFILM PROCESS**
[54] **FRUSTULES EXTRAITS DE DIATOMEES DE PENNATE BENTHIQUE RECOLTEES D'UN PROCESSUS INDUSTRIEL DE BIOFILM**
[72] ALLERT, SOFIE, SE
[72] WULFF, ANGELA, SE
[73] SWEDISH ALGAE FACTORY AB, SE
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[25] EN
[54] **METHODS AND APPARATUS TO DETERMINE IMPRESSIONS USING DISTRIBUTED DEMOGRAPHIC INFORMATION**
[54] **PROCEDES ET APPAREIL POUR DETERMINER DES IMPRESSIONS AU MOYEN D'INFORMATIONS DEMOGRAPHIQUES DISTRIBUEES**
[72] GERAGHTY, KEVIN, US
[72] HEFFERNAN, RONAN, US
[72] KALUS, MARK, US
[72] MAZUMDAR, MAINAK, US
[72] PAPARO, ARI, US
[72] SPLAINE, STEVEN J., US
[72] DELIYANNIS, ALEXANDROS, US
[73] THE NIELSEN COMPANY (US), LLC, US
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[25] EN
[54] **METHOD AND APPARATUS FOR HYBRID POWER TRAILER REFRIGERATION**
[54] **PROCEDE ET APPAREIL DE REFRIGERATION DE REMORQUE A ENERGIE HYBRIDE**
[72] MACDONNELL, JACK W., CA
[72] STANNARD, JOHN, CA
[72] KENNEY, JULIAN, CA
[72] TAHERI, MEHRDAD, CA
[73] ENERMOTION INC., CA
[85] 2018-12-21
[86] 2017-06-21 (PCT/CA2017/050759)
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[30] US (62/353,370) 2016-06-22

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[54] **MUTATED PROTEIN FROM BURKHOLDERIA GLADIOLI STRAIN NGJ1 AGAINST FUNGAL PATHOGENS**
[54] **PROTEINE MUTEE DE LA LIGNEE DE BURKHOLDERIA GLADIOLI NGJ1 CONTRE LES PATHOGENIES FONGIQUES**
[72] SWAIN, DURGA MADHAB, IN
[72] YADAV, SUNIL KUMAR, IN
[72] JHA, GOPALJEE, IN
[73] NATIONAL INSTITUTE OF PLANT GENOME RESEARCH, IN
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[25] EN
[54] **BATTERY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE BATTERIE**
[72] BELKACEM-BOUSSAID, KAMEL, US
[72] ADAMSON, GEORGE W., US
[73] EOS ENERGY TECHNOLOGY HOLDINGS, LLC, US
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[54] **CLOUD DEVICE SYSTEM**
[54] **SYSTEME DE DISPOSITIF EN NUAGE**
[72] JADHAV, AJAY, US
[73] JADHAV, AJAY, US
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[54] **METHOD AND SYSTEM FOR HYDROPHOBIC COATING OF MICROFLUIDIC CHIPS**
[54] **PROCEDE ET SYSTEME DE REVETEMENT HYDROPHOBE DE PUCES MICROFLUIDIQUES**
[72] LARSEN, JOHN, US
[72] ZHOU, YU, US
[72] XIA, ZHENG, US
[73] ABS GLOBAL, INC., US
[85] 2019-02-14
[86] 2017-09-12 (PCT/IB2017/001289)
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[54] **SYSTEMS AND METHODS FOR ALLOCATING HYDROCARBON PRODUCTION VALUES**
[54] **SYSTEMES ET PROCEDES D'ATTRIBUTION DE VALEURS DE PRODUCTION D'HYDROCARBURES**
[72] BASHORE, WILLIAM M., US
[73] ENVERUS, INC., US
[85] 2019-02-25
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[54] **USE OF PRIDOPIDINE FOR TREATING DYSTONIAS**
[54] **UTILISATION DE LA PRIDOPIDINE POUR LE TRAITEMENT DES DYSTONIES**
[72] HAYDEN, MICHAEL, IL
[72] PAPAPETROPOULOS, SPYRIDON, US
[72] SAVOLA, JUHA-MATTI, CH
[72] EYAL, ELI, IL
[72] BOROWSKY, BETH, US
[72] GRACHEV, IGOR D., US
[72] GORDON, MARK FORREST, US
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
[85] 2019-02-25
[86] 2017-08-24 (PCT/US2017/048458)
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[25] EN
[54] **THROMBOSPONDIN 1-BINDING PEPTIDE**
[54] **PEPTIDE DE LIAISON A LA THROMBOSPONDINE 1**
[72] YAMAGUCHI, TAKAHIRO, JP
[72] MORI, YUTAKA, JP
[72] SAITO, HIRONAO, JP
[72] KUBOTA, HIDEKI, JP
[72] FURUKAWA, AKIHIRO, JP
[72] OTSUKA, ERI, JP
[72] ISHIGAI, YUTAKA, JP
[72] IJIRI, HIROSHI, JP
[72] REID, PATRICK, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[73] PEPTIDREAM INC., JP
[85] 2019-03-08
[86] 2017-09-13 (PCT/JP2017/032984)
[87] (WO2018/052002)
[30] JP (2016-178955) 2016-09-13

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[25] EN
[54] **RESPIRATION FROM A PHOTOPLETHYSMOGRAM (PPG) USING FIXED AND ADAPTIVE FILTERING**
[54] **RESPIRATION D'UN PHOTOPLETHYSMOGRAMME UTILISANT LE FILTRAGE FIXE ET ADAPTATIF**
[72] DURNIN, JAMES E., US
[73] NONIN MEDICAL, INC., US
[86] (3036609)
[87] (3036609)
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[25] EN
[54] **COMPOSITION WHICH CONTAINS LACTIC ACID BACTERIUM AS EFFECTIVE COMPONENT AND WHICH IS FOR PREVENTING OR AMELIORATING SKIN CONDITION DETERIORATION CAUSED BY ABNORMAL PROLIFERATION OF SPECIFIC BACTERIUM IN SKIN**
[54] **COMPOSITION QUI CONTIENT UNE BACTERIE D'ACIDE LACTIQUE COMME PRINCIPE ACTIF ET QUI SERT A PREVENIR OU A AMELIORER LA DETERIORATION DE L'ETAT DE LA PEAU PROVOQUEE PAR LA PROLIFERAT ION ANORMALE DE BACTERIES SPECIFIQUES AU NIVEAU DE LA PEAU**
[72] TSUJI, RYOHEI, JP
[72] FUJII, TOSHIO, JP
[73] KIRIN HOLDINGS KABUSHIKI KAISHA, JP
[85] 2019-03-14
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[54] **DIFFERENTIAL PILLOW HEIGHT FIBROUS STRUCTURES**
[54] **STRUCTURES FIBREUSES A HAUTEUR D'ALVEOLE DIFFERENTIELLE**
[72] WANG, FEI, US
[72] BARKEY, DOUGLAS JAY, US
[72] CAIN, JAMES ALLEN, US
[72] DELVECCHIO, STEPHEN JOHN, US
[72] LEIMBACH, ANGELA MARIE, US
[72] PIAO, KUN, US
[72] COMER, JAMES KENNETH, US
[72] MALADEN, RYAN DOMINIC, US
[72] WILKER, THOMAS ALAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-14
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[54] **AIRCRAFT HAVING AN AFT ENGINE**
[54] **AERONEF COMPORTANT UN MOTEUR ARRIERE**
[72] RAMAKRISHNAN, KISHORE, US
[72] YAO, JIXIAN, US
[72] PASTOUCHENKO, NIKOLAI N., US
[72] MALCEVIC, IVAN K., US
[73] GENERAL ELECTRIC COMPANY, US
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[86] 2017-08-25 (PCT/US2017/048531)
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[54] **FLAVOR INHALER**
[54] **INHALATEUR D'AROME**
[72] NAKANO, TAKUMA, JP
[73] JAPAN TOBACCO INC., JP
[85] 2019-03-21
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[54] **PRETREATMENT OF FROTH TREATMENT AFFECTED TAILINGS WITH FLOATATION AND STRIPPING PRIOR TO TAILINGS DEWATERING AND CONTAINMENT**
[54] **PRETRAITEMENT DE RESIDUS PROVENANT DU TRAITEMENT DES MOUSSES EN QUESTION AVEC FLOTTATION ET EXTRACTION AVANT LA DESHYDRATATION ET LE CONFINEMENT DE RESIDUS**
[72] HOLLANDER, ELCO DICK, CA
[72] DERAKHSHANDEH, BABAK, CA
[72] BROWN, WAYNE, CA
[72] ALLY, JAVED, CA
[72] LABORDE-BOUTET, CEDRIC, CA
[73] SUNCOR ENERGY INC., CA
[86] (3037959)
[87] (3037959)
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[54] **SYSTEM AND METHOD FOR MEASURING GEOMETRIC CHANGE IN A SUBTERRANEAN STRUCTURE**
[54] **SYSTEME ET PROCEDE DE MESURE DE CHANGEMENT GEOMETRIQUE DANS UNE STRUCTURE SOUTERRAINE**
[72] BAKER, L., DOUGLAS, US
[72] THAYER, SCOTT M., US
[72] LUCEY, PAUL G., AU
[72] ROBERTS, DAMIEN G., AU
[73] MINE VISION SYSTEMS, INC., US
[85] 2019-03-22
[86] 2017-09-25 (PCT/US2017/053255)
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[25] EN
[54] **SYSTEMS AND METHODS FOR SIGNALING OF VIDEO PARAMETERS**
[54] **SYSTEMES ET PROCEDES DESTINES A LA SIGNALISATION DE PARAMETRES VIDEO**
[72] DESHPANDE, SACHIN G., JP
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2019-04-04
[86] 2017-10-03 (PCT/JP2017/035993)
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[25] EN
[54] **COPOLYMERS SUITABLE FOR PLASTIZING INORGANIC BINDER SYSTEMS**
[54] **COPOLYMERES APPROPRIES POUR LA PLASTIFICATION DE SYSTEMES DE LIANT INORGANIQUE**
[72] KRAUS, ALEXANDER, DE
[72] PULKIN, MAXIM, DE
[72] MITKINA, TATIANA, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2019-04-05
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[25] EN
[54] **METHOD AND SYSTEM FOR IDENTIFYING A SOURCE OF A MEMORY LEAK**
[54] **PROCEDE ET SYSTEME POUR DETERMINER LA SOURCE D`UNE FUITE DE MEMOIRE**
[72] BOOTH, DANIEL JAMES, CA
[72] MARLATT, SHAUN P., CA
[73] MOTOROLA SOLUTIONS, INC., US
[86] (3039835)
[87] (3039835)
[22] 2019-04-09

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[13] C
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/127 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LIPOSOMAL FORMULATION FOR USE IN THE TREATMENT OF CANCER**
[54] **FORMULATION LIPOSOMALE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DU CANCER**
[72] WESSELS, PETER, CH
[72] TIEMESSEN, HENRICUS, CH
[72] DE MARCO, PAOLO, CH
[72] LARABI, MALIKA, CH
[72] SCHIEDEL, CHRISTIANE, CH
[72] GURINA, MARINA, CH
[73] LES LABORATOIRES SERVIER, FR
[73] NOVARTIS AG, CH
[85] 2019-04-24
[86] 2017-10-27 (PCT/EP2017/077538)
[87] (WO2018/078064)
[30] EP (16306415.7) 2016-10-28

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[51] **Int.Cl. F02D 15/02 (2006.01) F02B 75/32 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE CONTROL METHOD AND CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE ET DISPOSITIF DE COMMANDE DE MOTEUR A COMBUSTION INTERNE**
[72] TAKAHASHI, EIJI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2019-06-12
[86] 2016-12-13 (PCT/JP2016/086981)
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[51] **Int.Cl. H04L 27/26 (2006.01) H04B 7/26 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **FREQUENCY AND TIME DOMAIN MULTIPLEXING FOR LOW PEAK-TO-AVERAGE POWER RATIO (PAPR) WAVEFORM DESIGN WITH MULTIPLE STREAMS**
[54] **MULTIPLEXAGE EN DOMAINES FREQUENTIEL ET TEMPOREL POUR CONCEPTION DE FORMES D'ONDE A FAIBLE RAPPORT PUISSANCE DE CRETE-PUISSANCE MOYENNE (PAPR) AVEC FLUX MULTIPLES**
[72] PARK, SEYONG, US
[72] AKKARAKARAN, SONY, US
[72] ZENG, WEI, US
[72] GAAL, PETER, US
[72] HUANG, YI, US
[72] WANG, RENQIU, US
[72] XU, HAO, US
[72] LUO, TAO, US
[72] JI, TINGFANG, US
[73] QUALCOMM INCORPORATED, US
[85] 2019-06-19
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[30] US (62/451,007) 2017-01-26
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[54] **PINNED COMPOSITE PIPE END-FITTING**
[54] **RACCORD D'EXTREMITE DE TUYAU COMPOSITE ANCRE**
[72] HATTON, STEPHEN ANTHONY, GB
[72] CAPELL, TOBIAS FRANCIS, GB
[72] TAVARES, JOAO ANDRE CURRALO, GB
[73] MAGMA GLOBAL LIMITED, GB
[85] 2019-07-12
[86] 2017-03-16 (PCT/GB2017/050720)
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[54] **PORT AND SNORKEL FOR SENSOR ARRAY**
[54] **ORIFICE ET PLATEFORME ELEVATRICE POUR RESEAU DE CAPTEURS**
[72] MARCUCCIO, SUZI MARIE, US
[72] BROWN, CLINT ADAM, US
[72] JAMES, PAUL GREGORY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **SUTURING DEVICES FOR HEART VALVE SURGERY**
[54] **DISPOSITIFS DE SUTURE POUR CHIRURGIE DE VALVE CARDIAQUE**
[72] DANG, KEVIN K., US
[72] JANISH, BRYAN A., US
[72] MIRAKI, MANOUCHEHR A., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2019-07-18
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[54] **TREATMENT OF DIURETIC RESISTANCE**
[54] **TRAITEMENT DE LA RESISTANCE AUX DIURETIQUES**
[72] LO, CHIH-HUNG, US
[72] TESTANI, JEFFREY MOORE, US
[72] RAO, VEENA, US
[72] KAKKAR, RAHUL, US
[72] DEVALARAJA, MADHAV N., US
[73] YALE UNIVERSITY, US
[73] NOVO NORDISK A/S, DK
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[25] EN
[54] **EMBROIDERY QUILTING APPARATUS, METHOD, AND COMPUTER-READABLE MEDIUM**
[54] **APPAREIL DE MATELASSAGE DE BRODERIE, PROCEDE ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] SCHWARZBERGER, NEAL A., US
[72] SCHNAUFER, WILLIAM E., US
[73] ABM INTERNATIONAL, INC., US
[85] 2019-07-31
[86] 2018-09-20 (PCT/US2018/051931)
[87] (WO2019/083647)
[30] US (15/790,746) 2017-10-23
[30] US (15/948,458) 2018-04-09

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[25] EN
[54] **SEPARABLE TWO-PART SINGLE LUMEN GAS SEALED ACCESS PORT FOR USE DURING ENDOSCOPIC SURGICAL PROCEDURES**
[54] **ORIFICE D'ACCES ETANCHE AU GAZ A LUMIERE UNIQUE A DEUX PARTIES SEPARABLES DESTINE A ETRE UTILISE PENDANT DES PROCEDURES CHIRURGICALES ENDOSCOPIQUES**
[72] AUGELLI, MICHAEL J., US
[72] SILVER, MIKIYA, US
[72] KANE, MICHAEL J., US
[73] CONMED CORPORATION, US
[85] 2019-08-07
[86] 2018-02-23 (PCT/US2018/019515)
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[30] US (62/468,417) 2017-03-08
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[25] EN
[54] **SYSTEM AND METHOD FOR MIXING POLYUNSATURATED FATTY ACIDS INTO A FLUID FOOD PRODUCT**
[54] **SYSTEME ET PROCEDE DE MELANGE D'ACIDES GRAS POLYINSATURES DANS UN PRODUIT ALIMENTAIRE FLUIDE**
[72] CLARKE, ELLE ANN, US
[72] CHAPMAN, DENNIS KEITH, US
[72] JERGER, GARY THOMAS, US
[73] WHITEWAVE SERVICES, INC., US
[85] 2019-08-08
[86] 2018-02-21 (PCT/US2018/018889)
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[54] **METHOD OF FORMING STATORS FOR DOWNHOLE MOTORS**
[54] **PROCEDE DE FORMATION DE STATORS POUR MOTEURS DE FOND DE TROU**
[72] HUBER, WITALI, US
[72] MICHAELIS, GUNNAR, US
[72] HOHL, CARSTEN, US
[72] BARTSCHERER, ERIK, US
[72] GRIMMER, HARALD, US
[72] FULDA, CHRISTIAN, US
[72] FISCHER, DOROTHEA MARION, US
[72] REGENER, THORSTEN, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-08-15
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[25] EN
[54] **CHAIN CONVEYOR**
[54] **CONVOYEUR A CHAINE**
[72] WALKER, AARON PHILIP, US
[72] STEWART, CHRISTOPHER GEORGE, US
[73] JOY GLOBAL UNDERGROUND MINING LLC, US
[85] 2019-08-30
[86] 2018-03-06 (PCT/US2018/021228)
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[30] US (62/467,766) 2017-03-06
[30] US (62/467,761) 2017-03-06
[30] US (62/467,767) 2017-03-06
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[30] US (62/467,773) 2017-03-06
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[25] EN
[54] **A GRIPPING TOOL FOR GRIPPING OILFIELD TUBULARS**
[54] **UN OUTIL DE PREHENSION SERVANT A SAISIR DES TUBULAIRES DE CHAMPS PETROLIERS**
[72] DOMEC, BRENNAN S., US
[72] ANGELLE, JEREMY RICHARD, US
[73] FRANK'S INTERNATIONAL, LLC, US
[86] (3055358)
[87] (3055358)
[22] 2014-05-30
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[30] US (61/829,029) 2013-05-30
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[25] EN
[54] **METHOD FOR PRODUCING ALKYL LACTATE**
[54] **PROCEDE DE PRODUCTION DE LACTATE D'ALKYLE**
[72] KIM, JIEUN, KR
[72] OH, CHANGYUB, KR
[72] LEE, CHANG SUK, KR
[72] YANG, YOUNG LYEOL, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-09-04
[86] 2018-01-10 (PCT/KR2018/000455)
[87] (WO2018/169181)
[30] KR (10-2017-0032537) 2017-03-15
[30] KR (10-2017-0094161) 2017-07-25

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[25] EN
[54] **PORTABLE DUAL-DEVICE CHARGER SYSTEM**
[54] **SYSTEME PORTATIF DE RECHARGE DE DEUX APPAREILS**
[72] ISAACS, PHILIP M., CA
[72] XU, KAI, CA
[72] VANDERVIES, DAVID, CA
[73] GOOGLE LLC, US
[86] (3055901)
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[54] **APPLICATION OF GENETICALLY ENGINEERED BACTERIA VNP20009-M IN PREPARING DRUG FOR TREATING MALIGNANT SARCOMA**
[54] **APPLICATION DU MYCETE VNP2009-M DANS LE GENIE GENETIQUE LORS DE LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT DE SARCOMES**
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[72] LIN, YAN, CN
[72] ZHOU, SUJIN, CN
[72] LI, FANGHONG, CN
[73] GUANGZHOU SINOGEN PHARMACEUTICAL CO., LTD, CN
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[54] **DEVICES FOR TAMPING LOOSE SOIL SURROUNDING BOREHOLE**
[54] **DISPOSITIFS POUR TAPER LA TERRE MEUBLE AUTOUR D`UN TROU DE FORAGE**
[72] ZHANG, JUNRONG, CN
[72] TANG, HUIMING, CN
[72] TANNANT, DWAYNE, CN
[72] ZHANG, YONGQUAN, CN
[72] WANG, YUANSHENG, CN
[72] GONG, WENGPING, CN
[72] HUANG, LEI, CN
[72] ZOU, ZONGXING, CN
[72] MA, JUNWEI, CN
[72] WEN, TAO, CN
[72] ZHENG, WENBO, CN
[72] XU, CONG, CN
[72] YU, MIAO, CN
[73] CHINA UNIVERSITY OF GEOSCIENCES (WUHAN), CN
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[54] **PROCEDE ET APPAREIL DE TRAITEMENT A GRANDE VITESSE DE DONNEES DE PROFONDEUR DE MARCHE FINANCIER**
[72] TAYLOR, DAVID, E., US
[72] PARSONS, SCOTT, US
[72] WHATLEY, JEREMY WALTER, US
[72] BRADLEY, RICHARD, US
[72] GYANG, KWAME, US
[72] DEWULF, MICHAEL, US
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[54] **COUVERTURES STERILES POUR TRANSDUCTEUR ULTRASONORE**
[72] NORDGREN, GREGORY, US
[72] WAGNER, GEOFFREY SCOTT, US
[73] CIVCO MEDICAL INSTRUMENTS CO., INC., US
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[25] EN
[54] **MAGLEV TRAIN AND MOVING PART THEREOF**
[54] **TRAIN A SUSTENTATION MAGNETIQUE ET PARTIE MOBILE CONNEXE**
[72] LIU, DEGANG, CN
[72] DING, SANSAN, CN
[72] JIANG, FUJIE, CN
[72] YU, DALIAN, CN
[72] LIU, PENG, CN
[72] LIANG, XIN, CN
[73] CRRC QINGDAO SIFANG CO., LTD., CN
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[54] **PREFABRICATED OFFSET SHINGLE**
[54] **BARDEAUX DECALES PREFABRIQUES**
[72] GRUBKA, LAWRENCE JEROME, US
[72] CHILDERS, JOHN, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[86] (3062201)
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[25] EN
[54] **GEOCHEMICALLY-DRIVEN WETTABILITY MODIFICATION FOR SUBTERRANEAN SURFACES**
[54] **MODIFICATION DE MOUILLABILITE GEOCHIMIQUEMENT ASSISTEE POUR DES SURFACES SOUTERRAINES**
[72] REYES, ENRIQUE ANTONIO, US
[72] BENOIT, DENISE NICOLE, US
[72] DUSTERHOFT, RONALD GLEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ALCOHOL DETECTION DEVICE WITH REDUNDANT MEASURING CHANNELS AND METHOD FOR DETECTING ALCOHOL IN BREATHING AIR**
[54] **DISPOSITIF DE DETECTION D`ALCOOL AYANT DES CANAUX DE MESURE REDONDANTS ET METHODE DE DETECTION D`ALCOOL DANS L`AIR RESPIRABLE**
[72] STOCK, BURKHARD, DE
[72] BAESLER, MALTE, DE
[73] DRAGER SAFETY AG & CO. KGAA, DE
[86] (3065699)
[87] (3065699)
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[54] **FENESTRATION FRAME WITH GLAZING STOP**
[54] **CADRE DE FENETRAGE AVEC PARCLOSE**
[72] LEATHERS, TODD M., US
[72] PARR, JEREMY, US
[72] EISENBARTH, TRAVIS M., US
[73] PELLA CORPORATION, US
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[25] EN
[54] **METHOD FOR UPLINK DATA TRANSMISSION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES EN LIAISON MONTANTE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **AUTOMATED DETERMINATION OF VALVE CLOSURE AND INSPECTION OF A FLOWLINE**
[54] **DETERMINATION AUTOMATISEE DE FERMETURE D'UNE SOUPAPE ET INSPECTION D'UNE CONDUITE D'ECOULEMENT**
[72] BENNETT, DAVID B., US
[72] ACQUAAH, ANTONIO K., US
[72] VISHWANATH, MANISH, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-09
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[25] EN
[54] **AN ADDITIVE MANUFACTURING TECHNIQUE FOR PRECIPITATION-HARDENED SUPERALLOY POWDERED MATERIAL**
[54] **TECHNIQUE DE FABRICATION ADDITIVE POUR MATERIAU EN POUDRE DE SUPERALLIAGE DURCI PAR PRECIPITATION**
[72] NESTERENKO, DMITRY LEONIDOVICH, RU
[72] RYAZANOV, MIKHAIL VLADIMIROVICH, RU
[72] SARAEV, DENIS YURIEVICH, RU
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **BACTERIUM CONSTITUTIVELY PRODUCING MONOPHOSPHORYL LIPID A AND METHOD OF PRODUCING MONOPHOSPHORYL LIPID A BY USING BACTERIUM**
[54] **BACTERIE PRODUISANT DE MANIERE CONSTITUTIVE UN LIPIDE MONOPHOSPHORYLE A ET PROCEDE DE PRODUCTION D'UN LIPIDE MONOPHOSPHORYLE A A L'AIDE DE LA BACTERIE**
[72] CHUNG, HAK SUK, KR
[72] JI, YUHYUN, KR
[72] AN, JINSU, KR
[72] KWON, ICK CHAN, KR
[72] YANG, EUN GYEONG, KR
[73] KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
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[25] EN
[54] **OPTIMAL QUERY SCHEDULING ACCORDING TO DATA FRESHNESS REQUIREMENTS**
[54] **ORDONNANCEMENT OPTIMAL DE REQUETES EN FONCTION DES EXIGENCES D`ACTUALISATION DES DONNEES**
[72] CISEK, JULIUS, US
[72] KUMAR, GAURAV, US
[72] MISTRY, SHAUNAK, US
[72] PETERSEN, KALEN, US
[73] GOOGLE LLC, US
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[25] EN
[54] **AUTOMATED SEISMIC INTERPRETATION USING FULLY CONVOLUTIONAL NEURAL NETWORKS**
[54] **INTERPRETATION SISMIQUE AUTOMATISEE FAISANT APPEL A DES RESEAUX DE NEURONES ENTIEREMENT A CONVOLUTION**
[72] LIU, WEI D. (DECEASED), US
[72] HERNANDEZ, DIEGO A., US
[72] SUBRAHMANYA, NIRANJAN A., US
[72] FITZ-GERALD, D. BRADEN, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-01-17
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[54] **SYSTEMS AND METHODS OF AEROSOL DELIVERY WITH AIRFLOW REGULATION**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION D'UN AEROSOL AVEC REGULATION DU FLUX D'AIR**
[72] RUBIN, DARREN, US
[73] RUBIN, DARREN, US
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[25] EN
[54] **GENERATING A YIELD MAP FOR AN AGRICULTURAL FIELD USING CLASSIFICATION AND REGRESSION METHODS**
[54] **GENERATION D'UNE CARTE DE RENDEMENT DESTINEE A UN CHAMP AGRICOLE A L'AIDE DE PROCEDES DE REGRESSION ET DE CLASSIFICATION**
[72] DUKE, GUY DION, CA
[72] GRANT, KEVIN JOHN, CA
[73] FARMERS EDGE INC., CA
[85] 2020-02-18
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[54] **ALKALI-METAL CHLORIDE SOLUTION ELECTROLYSER**
[54] **ELECTROLYSEUR DE SOLUTION DE CHLORURE METALLIQUE ALCALIN**
[72] BAKHIR, VITOLD, RU
[73] BLUE SAFETY GMBH, DE
[85] 2020-02-25
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[87] (WO2019/038440)
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[25] EN
[54] **WELDING CABLE ASSEMBLY, WELDING TORCH ASSEMBLY, AND ROBOTIC WELDING SYSTEMS, WITH A SPRING MECHANICALLY COUPLED TO THE CABLE**
[54] **ENSEMBLE CABLE DE SOUDAGE, ENSEMBLE CHALUMEAU SOUDEUR ET SYSTEMES DE SOUDAGE ROBOTISE COMPORTANT UN RESSORT ACCOUPLE MECANIQUEMENT AU CABLE**
[72] MA, TIEJUN, US
[72] COSSETTE, ROMEO, US
[72] WELLS, JEFFREY, US
[72] MARCHAND, ANDREW, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-03-06
[86] 2018-10-23 (PCT/US2018/056996)
[87] (WO2019/083929)
[30] US (62/576,397) 2017-10-24
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[25] EN
[54] **CHROMANE MONOBACTAM COMPOUNDS FOR THE TREATMENT OF BACTERIAL INFECTIONS**
[54] **COMPOSES MONOBACTAMES DE CHROMANE POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] BIFTU, TESFAYE, US
[72] HUANG, XIANHAI, US
[72] LIU, WEIGUO, US
[72] PAN, WEIDONG, US
[72] PARK, MIN, US
[72] PASTERNAK, ALEXANDER, US
[72] SUN, WANYING, US
[72] TANG, HAIFENG, US
[72] ZANG, YI, US
[73] MERCK SHARP & DOHME LLC, US
[85] 2020-03-17
[86] 2018-09-27 (PCT/US2018/053039)
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[25] EN
[54] **SYSTEMS AND METHODS FOR DATA SECURITY NOTIFICATION GENERATION**
[54] **SYSTEMES ET METHODES POUR GENERER DES AVIS DE SECURITE DE DONNEES**
[72] DUNJIC, MILOS, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] TAX, DAVID SAMUEL, CA
[73] THE TORONTO-DOMINION BANK, CA
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[87] (3076736)
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[51] **Int.Cl. G03G 9/08 (2006.01) C08J 3/12 (2006.01) C08J 7/16 (2006.01)**
[25] EN
[54] **TONER COMPOSITIONS AND PROCESSES HAVING REDUCED OR NO TITANIA SURFACE ADDITIVES**
[54] **COMPOSITIONS D'ENCRE ET PROCEDES AVEC ADDITIFS REDUITS OU SANS ADDITIFS POUR SURFACE DE TITANE**
[72] VEREGIN, RICHARD P.N., CA
[72] SRISKANDHA, SHIVANTHI EASWARI, CA
[72] KURCEBA, DAVID R., CA
[72] DAVIS, MELANIE LYNN, CA
[72] VONG, CUONG, CA
[73] XEROX CORPORATION, US
[86] (3077035)
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[25] EN
[54] **METHOD AND APPARATUS TO MONITOR AND CONTROL A WATER SYSTEM**
[54] **PROCEDES ET APPAREIL POUR SURVEILLER ET COMMANDER UN SYSTEME D'EAU**
[72] BRANUM, SCOTT, US
[72] HOEFFERLE, ERICH, US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2020-03-27
[86] 2018-09-24 (PCT/US2018/052411)
[87] (WO2019/074660)
[30] US (62/571,521) 2017-10-12
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[51] **Int.Cl. A63B 59/70 (2015.01)**
[25] EN
[54] **HOCKEY-STICK BLADE WITH TAILORED PERFORMANCE REGIONS**
[54] **LAME DE BATON DE HOCKEY AYANT DES REGIONS DE PERFORMANCE ADAPTEES**
[72] VILLAR, EDSEL PADILLA, US
[72] SNOW, MICHAEL LLOYD, US
[72] MOUNTAIN, MICHAEL, US
[73] BAUER HOCKEY LTD., CA
[86] (3077451)
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[51] **Int.Cl. C11B 3/02 (2006.01) C04B 24/08 (2006.01) C04B 26/26 (2006.01)**
[25] EN
[54] **BLOWN AND STRIPPED BIORENEWABLE OILS**
[54] **HUILES BIO-RENOUVELABLES SOUFFLEES ET FRACTIONNEES**
[72] KURTH, TODD L., US
[72] LOCHEL, FRANK P., US
[72] STAUDUHAR, SUZANNE, US
[72] TABATABAEE, HASSAN ALI, US
[73] CARGILL, INCORPORATED, US
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[25] EN
[54] **AUSTENITIC STAINLESS STEEL WELD METAL AND WELDED STRUCTURE**
[54] **METAL SOUDE D'ACIER INOXYDABLE A BASE D'AUSTENITE, ET STRUCTURE SOUDEE**
[72] HIRATA, HIROYUKI, JP
[72] JOTOKU, KANA, JP
[72] TANAKA, KATSUKI, JP
[73] NIPPON STEEL CORPORATION, JP
[85] 2020-04-02
[86] 2018-10-03 (PCT/JP2018/037098)
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[51] **Int.Cl. G06F 9/50 (2006.01) G06F 9/54 (2006.01)**
[25] EN
[54] **MANAGING A COMPUTING CLUSTER USING TIME INTERVAL COUNTERS**
[54] **GESTION D'UNE GRAPPE INFORMATIQUE A L'AIDE DE COMPTEURS D'INTERVALLES DE TEMPS**
[72] STANFILL, CRAIG W., US
[72] WHOLEY, JOSEPH SKEFFINGTON, III, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2020-04-02
[86] 2018-10-30 (PCT/US2018/058211)
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[54] **LYOPHILIZATION CONTAINER AND METHOD OF USING SAME**
[54] **RECIPIENT DE LYOPHILISATION ET SON PROCEDE D'UTILISATION**
[72] WEIMER, KIRK L., US
[72] JOHNSON, NATE T., US
[72] HLAVINKA, DENNIS J., US
[72] PARAKININKAS, KESTAS P., US
[73] TERUMO BCT BIOTECHNOLOGIES, LLC, US
[85] 2020-04-06
[86] 2018-10-09 (PCT/US2018/054943)
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[30] US (62/569,858) 2017-10-09
[30] US (62/571,087) 2017-10-11

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[51] **Int.Cl. E21B 44/02 (2006.01) G05B 13/02 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **CONTROLLER WITH AUTOMATIC TUNING AND METHOD**
[54] **DISPOSITIF DE COMMANDE A ACCORD AUTOMATIQUE, ET PROCEDE**
[72] BADGWELL, THOMAS A., US
[72] PASTUSEK, PAUL E., US
[72] KUMARAN, KRISHNAN, US
[72] SCHMIDT, DAVID J., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-04-07
[86] 2018-09-18 (PCT/US2018/051414)
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[30] US (62/569,799) 2017-10-09
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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **ELECTRIC DRIVE PUMP FOR WELL STIMULATION**
[54] **POMPE A COMMANDE ELECTRIQUE POUR STIMULATION DE PUITS**
[72] BUCKLEY, CHRIS, US
[73] ST9 GAS AND OIL, LLC, US
[85] 2020-04-15
[86] 2019-04-16 (PCT/US2019/027702)
[87] (WO2019/204323)
[30] US (62/658,139) 2018-04-16
[30] US (PCT/US2018/052755) 2018-09-25

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[51] **Int.Cl. C07C 305/10 (2006.01) C11D 1/29 (2006.01)**
[25] FR
[54] **ALKOXYLATED SECONDARY ALCOHOL SULFATES**
[54] **SULFATES D'ALCOOLS SECONDAIRES ALCOXYLES**
[72] GILLET, JEAN-PHILIPPE, FR
[72] GONZALEZ LEON, JUAN ANTONIO, FR
[72] BOURET, CARL, FR
[73] ARKEMA FRANCE, FR
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[54] **A CONJUGATE COMPRISING OXYNTOMODULIN AND AN IMMUNOGLOBULIN FRAGMENT, AND USE THEREOF**
[54] **CONJUGUE COMPRENANT DE L'OXYNTOMODULINE ET UN FRAGMENT D'IMMUNOGLOBULINE, ET SON UTILISATION**
[72] CHOI, IN YOUNG, KR
[72] JUNG, SUNG YOUB, KR
[72] KIM, DAE JIN, KR
[72] KWON, SE CHANG, KR
[72] PARK, SUNG HEE, KR
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[73] HANMI SCIENCE CO., LTD., KR
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[54] **SCREW WITH TAPERED SCREW-HEAD, USE OF A SCREW AND A METHOD FOR COUNTERSINKING THE SCREW**
[54] **VIS A TETE DE VIS EFFILEE, UTILISATION D'UNE VIS ET PROCEDE DE FRAISAGE DE LA VIS**
[72] DISSING, CLAUS HORNSTRUP, DK
[73] DISSING A/S, DK
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[54] **SYSTEM AND METHOD FOR CONSTRUCTING A RAILING**
[54] **SYSTEME ET PROCEDE DE CONSTRUCTION D`UNE RAMPE**
[72] MOLINA, JESUS, US
[73] AMERICAN FENCE SYSTEM, INC., US
[86] (3081842)
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[54] **SCREW WITH TWO SET OF RIBS IN A KNURLED REGION AND USE THEREOF**
[54] **VIS DOTEE DE DEUX JEUX DE NERVURES DANS UNE REGION MOLETEE, ET SON UTILISATION**
[72] DISSING, CLAUS HORNSTRUP, DK
[73] DISSING A/S, DK
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[72] CHEN LARSSON, DANIEL, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **CHILD RESISTANT SLIDER, ZIPPER CLOSURE SYSTEM USING SLIDER, AND METHODS OF USE**
[54] **CURSEUR A L'EPREUVE DES ENFANTS, SYSTEME DE FERMETURE A GLISSIERE UTILISANT UN CURSEUR, ET PROCEDES D'UTILISATION**
[72] THOMPSON, GREGG, US
[72] ATHANS, JOHN, US
[73] REYNOLDS PRESTO PRODUCTS INC., US
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[54] **FILTRE RF RESONNANT DE LIGNE DE TRANSMISSION COUPLEE**
[72] FLEMMING, JEB H., US
[72] MCWETHY, KYLE, US
[73] 3D GLASS SOLUTIONS, INC., US
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[54] **FILM MINCE ORAL AVEC CHARGE ELEVEE EN AGENT ACTIF**
[72] SCHMITZ, CHRISTOPH, DE
[72] MULLER, MARKUS, DE
[72] BAUER, MARIUS, DE
[72] LINN, MICHAEL, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **AN UPPER BODY HARNESS WITH ELASTIC BANDS FOR RESISTANCE EXERCISES**
[54] **HARNAIS DE CORPS SUPERIEUR AYANT DES BANDES ELASTIQUES POUR EXERCICES DE RESISTANCE**
[72] RANKIN, JAMES TERRELL, US
[73] GLOBAL INDUSTRY PRODUCTS, CORP., US
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[86] 2018-11-09 (PCT/US2018/059956)
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[54] **A FLAVOURED MOIST ORAL POUCHED NICOTINE PRODUCT COMPRISING MONOGLYCERIDE**
[54] **PRODUIT HUMIDE ET AROMATISE A BASE DE NICOTINE SOUS FORME DE SACHET POUR ADMINISTRATION ORALE COMPRENANT UN TRIGLYCERIDE**
[72] KANNISTO, JENNY, SE
[72] KINDVALL, MARTEN, SE
[72] JONSSON, LARS, SE
[73] SWEDISH MATCH NORTH EUROPE AB, SE
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[54] **HYDROGEN GAS SENSOR AND METHOD FOR MEASUREMENT OF HYDROGEN UNDER AMBIENT AND ELEVATED PRESSURE**
[54] **CAPTEUR DE GAZ HYDROGENE ET PROCEDE DE MESURE D'HYDROGENE SOUS PRESSION AMBIANTE ET ELEVEE**
[72] AVETISOV, VIACHESLAV, NO
[73] NEO MONITORS AS, NO
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[54] **NOUVEAU PEPTIDE**
[72] PARK, JOO HWANG, KR
[72] LEE, JI HYUN, KR
[73] HYSENSBIO, KR
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[54] **RELEASABLE ANTIBODY CONJUGATES**
[54] **CONJUGUES D'ANTICORPS LIBERABLES**
[72] KWIATKOWSKI, MAREK, SE
[72] SUND, CHRISTIAN, SE
[73] QUIAPEG PHARMACEUTICALS AB, SE
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[54] **SYSTEM AND METHOD FOR INFORMATION EXTRACTION WITH CHARACTER LEVEL FEATURES**
[54] **SYSTEME ET PROCEDE D'EXTRACTION DE RENSEIGNEMENTS AVEC CARACTERISTIQUES DE DETECTION DES CARACTERES**
[72] TORRES, TERRENCE J., US
[72] FOROUGHI, HOMA, US
[73] INTUIT INC., US
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[54] **STACKED PATCH ANTENNA DEVICES AND METHODS**
[54] **DISPOSITIFS D`ANTENNE PLAQUE JUMELES ET METHODES**
[72] HAUTCOEUR, JULIEN, CA
[72] PANTHER, GYLES, CA
[73] TALLYSMAN WIRELESS INC., CA
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[25] EN
[54] **OPPORTUNISTIC CHARGING SYSTEM FOR AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE CHARGE OPPORTUNISTE POUR SYSTEME DE STOCKAGE ET DE RECHERCHE AUTOMATISE**
[72] COADY, MATTHEW W., US
[72] FOSNIGHT, WILLIAM J., US
[72] LACHANCE, DAVID A., US
[72] EISELEN, DAVID, US
[73] ALERT INNOVATION INC., US
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[54] **OPTICAL FIBER PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION A FIBRE OPTIQUE**
[72] EBERLE, MICHAEL J., US
[72] TASKER, DIANA MARGARET, US
[72] ROURKE, HOWARD NEIL, US
[72] SPAMER, DAVID J., US
[73] PHYZHON HEALTH INC., US
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[54] **DETERMINATION IN SITU D'UNE CONTRAINTE EXERCEE SUR LA ROCHE**
[72] ALRUWAILI, KHALID MOHAMMED M., SA
[72] KHAN, MIRAJUDDIN RIAZUDDIN, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **INKJET PRINTING METHODS FOR DECORATIVE LAMINATE PANELS**
[54] **PROCEDES D'IMPRESSION A JET D'ENCRE POUR PANNEAUX STRATIFIES DECORATIFS**
[72] LAMPROYE, RUDI, BE
[72] FRINGS, PETER, BE
[73] AGFA NV, BE
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[54] **METHODS AND APPARATUSES FOR ALUMINUM AND ZINC RECOVERY FROM DROSS AND METAL-RICH RESIDUES USING INDUCTION MELTING**
[54] **PROCEDES ET APPAREILS POUR LA RECUPERATION D'ALUMINIUM ET DE ZINC A PARTIR DE SCORIES ET DE RESIDUS RICHES EN METAUX PAR FUSION PAR INDUCTION**
[72] LEFEBVRE, JOANNE, CA
[72] LEFEBVRE, MARC, CA
[72] DROUET, MICHEL G., CA
[73] ENTREPRISE LEFEBVRE INDUSTRI-AL INC., CA
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[54] **SYSTEME, PROCEDE ET PROGRAMME D'ENREGISTREMENT D'APPEL**
[72] NAGAI, KAZUKI, JP
[72] KATSUTA, YUKIE, JP
[73] NEC PLATFORMS, LTD., JP
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[87] (3090794)
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[54] **SYSTEME, PROCEDE ET PROGRAMME D'ENREGISTREMENT D'APPEL**
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[72] KATSUTA, YUKIE, JP
[73] NEC PLATFORMS, LTD., JP
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[87] (3090830)
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[54] **A MODULAR AUTONOMOUS BOT APPARATUS ASSEMBLY FOR TRANSPORTING AN ITEM BEING SHIPPED**
[54] **ENSEMBLE APPAREIL ROBOT AUTONOME MODULAIRE POUR TRANSPORTER UN ARTICLE EN COURS D'EXPEDITION**
[72] SKAAKSRUD, OLE-PETTER, US
[72] MAYFIELD, FRANK, US
[72] GATES, DANIEL, US
[73] FEDEX CORPORATE SERVICES, INC., US
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[54] **PROCEDES ET INTERMEDIAIRES POUR LA GENERATION D'UN INHIBITEUR DE JAK**
[72] LIU, PINGLI, US
[72] WANG, DENGJIN, US
[72] WU, YONGZHONG, US
[72] CAO, GANFENG, US
[72] XIA, MICHAEL, US
[73] INCYTE HOLDINGS CORPORATION, US
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[25] EN
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[54] **INTERACTIONS EFFICACES POUR SOUTENIR LE MODE D'ECONOMIE D'ENERGIE D'UN DISPOSITIF D'INTERNET DES OBJETS**
[72] SLOVETSKIY, SERGEY, US
[73] T-MOBILE USA, INC., US
[86] (3091185)
[87] (3091185)
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[54] **ENHANCED SURVEILLANCE OF SUBSURFACE OPERATION INTEGRITY USING MICROSEISMIC DATA**
[54] **SURVEILLANCE AMELIOREE DE L'INTEGRITE D'OPERATIONS SOUTERRAINES A L'AIDE DE DONNEES MICROSISMIQUES**
[72] LOLLA, SRI VENKATA TAPOVAN, US
[72] BAILEY, JEFFREY R., US
[72] COSTIN, SIMONA O., CA
[72] HONS, MICHAEL S., CA
[72] YAM, HELEN, CA
[72] AKHMETOV, ARSLAN, CA
[72] HAYWARD, TIM, CA
[72] SMITH, RICHARD J., CA
[72] KEITH, COLUM M., CA
[72] CHEN, MARC-ANDRE P., CA
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] **DISPOSITIFS PORTATIFS DESTINES A ETRE UTILISES DANS DES INTERVENTIONS MEDICALES**
[72] MATUSAITIS, TOMAS, US
[72] HOOS, KENNETH, US
[72] WILSON, CHRISTOPHER, US
[72] RIOUX, ROBERT F., US
[72] KHANNA, NITIN, US
[72] PHILLIPS, FRANK, US
[72] YOUSSEF, JIM A., US
[72] RAINA, ANIRUDDHA, US
[72] BELTON, ANTONIO, US
[73] EDGE SURGICAL, INC., US
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[54] **WAVEGUIDE TYPE OPTICAL INTERFEROMETER CIRCUIT**
[54] **CIRCUIT D'INTERFEROMETRE OPTIQUE DE TYPE GUIDE D'ONDES**
[72] KOSHOUBU, NOBUTATSU, JP
[72] KASAHARA, RYOICHI, JP
[72] HIRABAYASHI, KATSUHIKO, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
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[25] EN
[54] **INTER PREDICTION APPARATUS AND METHOD FOR VIDEO CODING**
[54] **APPAREIL D'INTER-PREDICTION ET PROCEDE DE CODAGE VIDEO**
[72] SYCHEV, MAXIM BORISOVITCH, CN
[72] ZHULIKOV, GEORGY ALEKSANDROVICH, CN
[72] SOLOVYEV, TIMOFEY MIKHAILOVICH, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
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[86] 2019-04-02 (PCT/US2019/025326)
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[13] C
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[54] **SANITARY APPLIANCE DRAIN CONNECTOR**
[54] **RACCORD DE VIDANGE D'APPAREIL SANITAIRE**
[72] MCALPINE, JAMES EDWARD, GB
[72] MCALPINE, ROBERT GEMMELL, GB
[73] MCALPINE & CO. LTD., GB
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[54] **TAMIS D'ELIMINATION DE SABLE POUR FRACTURE HYDRAULIQUE ET PROCEDE**
[72] FLORES PEREZ, JUAN CARLOS, US
[72] SHKRED, VITALY Y., US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **METHOD AND SYSTEM FOR STICK-SLIP MITIGATION**
[54] **PROCEDE ET SYSTEME POUR ATTENUATION DE GLISSEMENT SACCADE**
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[72] GU, QIUYING, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PACKAGING MACHINE**
[54] **MACHINE D'EMBALLAGE**
[72] KARST, PETE, US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2020-09-22
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[54] **PROTECTIVE HEADWEAR ASSEMBLY HAVING A BUILT-IN CAMERA**
[54] **ENSEMBLE COIFFURE DE PROTECTION QUI COMPORTE UNE CAMERA INTEGREE**
[72] RATNER, COREY, US
[72] RATNER, RYAN, US
[72] HAYES, CONAN, US
[73] BELL SPORTS, INC., US
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[54] **TIRE CONSTRUCTION FOR VEHICLE TOWING**
[54] **CONSTRUCTION DE PNEU POUR LE REMORQUAGE DE VEHICULE**
[72] ZEITER, NATHAN, US
[72] STEWART, STACEY E., US
[73] POLARIS INDUSTRIES INC., US
[86] (3095377)
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[54] **METHOD, SYSTEM AND APPARATUS FOR MOBILE AUTOMATION APPARATUS LOCALIZATION**
[54] **PROCEDE, SYSTEME ET APPAREIL DE LOCALISATION D'APPAREIL D'AUTOMATISATION MOBILE**
[72] CAO, FENG, CA
[72] SINGH, HARSOVEET, CA
[72] RZESZUTEK, RICHARD J., CA
[72] QIAN, JINGXING, CA
[72] KELLY, JONATHAN, CA
[73] SYMBOL TECHNOLOGIES, LLC, US
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[54] **SYSTEME DE FORAGE ORIENTABLE ROTATIF SIMPLE**
[72] GRAY, IAN, AU
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[54] **MEDICAL DELIVERY DEVICES WITH INHIBITED OXYGEN PERMEATION**
[54] **DISPOSITIFS D'ADMINISTRATION MEDICALE A PERMEATION D'OXYGENE INHIBEE**
[72] CULLY, EDWARD H., US
[72] GUNZEL, EDWARD C., US
[72] SCOTTI, CHRISTINE M., US
[73] W. L. GORE & ASSOCIATES, INC., US
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[54] **EXERCISE APPARATUS**
[54] **APPAREIL D'EXERCICE**
[72] MOTOMURA, SHINSUKE, JP
[73] KENKO LIFE CORPORATION, JP
[85] 2020-10-15
[86] 2019-04-16 (PCT/JP2019/016385)
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[54] **AN APPARATUS AND METHOD FOR CONVEYING MOLTEN METAL**
[54] **APPAREIL ET METHODE POUR LE TRANSPORT DE METAL EN FUSION**
[72] TAKAHASHI, KENZO, JP
[73] TAKAHASHI, KENZO, JP
[85] 2020-10-28
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[54] **SYSTEM AND METHOD FOR DELIVERING MULTIPLE OCULAR IMPLANTS**
[54] **SYSTEME ET PROCEDE DE POSE D'IMPLANTS OCULAIRES MULTIPLES**
[72] HAFFNER, DAVID STEVEN, US
[72] GILLE, HENRICK K., US
[72] KALINA, CHARLES RAYMOND, JR, US
[72] COGGER, JOHN JOSEPH, US
[73] GLAUKOS CORPORATION, US
[86] (3098762)
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[54] **METHOD OF CANCER PROGNOSIS BY ASSESSING TUMOR VARIANT DIVERSITY BY MEANS OF ESTABLISHING DIVERSITY INDICES**
[54] **PROCEDE DE PRONOSTIC DU CANCER PAR EVALUATION DE DIVERSITE DE VARIANTS DE TUMEUR AU MOYEN D'ETABLISSEMENT D'INDICES DE DIVERSITE**
[72] MA, XIAOJU, US
[72] WEHNL, BIRGIT, DE
[72] YAUNG, STEPHANIE J., US
[72] MULEY, THOMAS, DE
[72] HERTH, FELIX, DE
[72] BALASUBRAMANYAM, AARTHI, US
[72] XI, LIU, US
[72] JU, CHRISTINE, US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **STAIR LIFT**
[54] **DISPOSITIF D'ELEVATION D'ESCALIER**
[72] LIN, QIU, CN
[73] LIN, QIU, CN
[85] 2020-11-11
[86] 2019-01-24 (PCT/CN2019/072995)
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[54] **PRESSURIZED ISOLATION UNIT**
[54] **UNITE D'ISOLATION SOUS PRESSION**
[72] TRIANTAFILLOU, PETER, CA
[72] BECKWITH, MARK, CA
[73] SAEPLAST AMERICAS INC., CA
[86] (3100152)
[87] (3100152)
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[54] **GEOMETRIC TOY**
[54] **JOUET GEOMETRIQUE**
[72] HYSLOP, MELISSA, CA
[73] MUNCH BABY INC., CA
[85] 2020-11-20
[86] 2019-02-25 (PCT/CA2019/050225)
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[54] **LITHIUM CARBONATE PRODUCTION DEVICE**
[54] **DISPOSITIF DE PRODUCTION DE CARBONATE DE LITHIUM**
[72] SAKUMA, YUKIO, JP
[73] ASAKA RIKEN CO., LTD., JP
[85] 2020-11-24
[86] 2019-06-10 (PCT/JP2019/022920)
[87] (WO2020/090145)
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[25] EN
[54] **SYSTEM AND METHOD FOR EXCAVATING AND CONSTRUCTING A SHORING SUPPORT WALL AND WATER MANAGEMENT SYSTEM**
[54] **SYSTEME ET METHODE D'EXCAVATION ET DE CONSTRUCTION D'UN MUR DE SUPPORT D'ETAYAGE ET SYSTEME DE GESTION D'EAU**
[72] HALLIWELL, JOHN MARTIN, CA
[73] HC PROPERTIES INC., CA
[86] (3101712)
[87] (3101712)
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[54] **A CHOCOLATE COMPOSITION COMPRISING A COCOA-DERIVED PRODUCT, SUGAR AND SOLUBLE CORN FIBER**
[54] **COMPOSITION DE CHOCOLAT COMPRENANT UN PRODUIT DERIVE DU CACAO, DU SUCRE ET DE LA FIBRE DE MAIS SOLUBLE**
[72] PRICE, WAYNE, GB
[72] BINGLEY, CAROLE, GB
[73] KRAFT FOODS SCHWEIZ HOLDING GMBH, CH
[85] 2020-12-01
[86] 2019-06-13 (PCT/IB2019/054947)
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[54] **GLP-1 RECEPTOR AGONISTS AND USES THEREOF**
[54] **AGONISTES DU RECEPTEUR GLP-1 ET LEURS UTILISATIONS**
[72] ASPNES, GARY ERIK, US
[72] BAGLEY, SCOTT W., US
[72] CONN, EDWARD L., US
[72] CURTO, JOHN M., US
[72] EDMONDS, DAVID JAMES, US
[72] FLANAGAN, MARK E., US
[72] FUTATSUGI, KENTARO, US
[72] GRIFFITH, DAVID A., US
[72] HUARD, KIM, US
[72] LIMBERAKIS, CHRIS, US
[72] MATHIOWETZ, ALAN M., US
[72] PIOTROWSKI, DAVID W., US
[72] RUGGERI, ROGER B., US
[73] PFIZER INC., US
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[54] **RNA MODULATING OLIGONUCLEOTIDES WITH IMPROVED CHARACTERISTICS FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS**
[54] **OLIGONUCLEOTIDES DE MODULATION D'ARN AYANT DES CARACTERISTIQUES PERFECTIONNEES POUR LE TRAITEMENT DE TROUBLES NEUROMUSCULAIRES**
[72] DE VISSER, PETER CHRISTIAN, NL
[72] MULDERS, SUSAN ALLEGONDA MARIA, NL
[73] VICO THERAPEUTICS B.V., NL
[86] (3103101)
[87] (3103101)
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[54] **CARDIOVASCULAR RISK EVENT PREDICTION AND USES THEREOF**
[54] **PREDICTION D'EVENEMENT DE RISQUE CARDIO-VASCULAIRE ET LEURS UTILISATIONS**
[72] STERLING, DAVID, US
[72] KATO, SHINTARO, US
[72] BRODY, EDWARD N., US
[72] WILLIAMS, STEPHEN A., US
[73] SOMALOGIC OPERATING CO., INC., US
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[87] (3103560)
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[54] **SURGICAL GUIDE FOR ZYGOMATIC BONE IMPLANTS**
[54] **GUIDE CHIRURGICAL POUR IMPLANTS OSSEUX ZYGOMATIQUES**
[72] GALLO, FRANCESCO, IT
[72] NEGRI, GIULIO, IT
[72] ZINGARI, FRANCESCO, IT
[73] GALLO, FRANCESCO, IT
[73] NEGRI, GIULIO, IT
[73] ZINGARI, FRANCESCO, IT
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[54] **OBSTRUCTION DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D`OBSTACLE**
[72] LUCAS, JAMES, US
[72] VON TERSCH, BRAD, US
[72] KIRCHNER, MIKE, US
[73] XORAIL, INC., US
[86] (3103898)
[87] (3103898)
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[54] **METHODS OF MAKING HIGHLY-FORMABLE ALUMINUM ALLOYS AND ALUMINUM ALLOY PRODUCTS THEREOF**
[54] **PROCEDES DE FABRICATION D'ALLIAGES D'ALUMINIUM HAUTEMENT FORMABLES ET PRODUITS EN ALLIAGE D'ALUMINIUM ASSOCIES**
[72] DAS, SAZOL KUMAR, US
[72] HEYEN, MATTHEW JOSEF, US
[72] SON, CHANGOOK, US
[72] MOHANTY, RASHMI RANJAN, US
[72] FLOREY, GUILLAUME, CH
[73] NOVELIS INC., US
[85] 2021-01-12
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[25] EN
[54] **WELLSITE AUTOMATIC CONFIGURATION SYSTEMS AND METHODS OF OPERATION**
[54] **SYSTEMES DE CONFIGURATION AUTOMATIQUE DE PUITS ET PROCEDES D'EXPLOITATION**
[72] CHRETIEN, ALEXANDER S., US
[72] STEPHENSON, STANLEY V., US
[72] ADAMS, MARK A., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **METHODE DE FORMATION D`UNE PELLICULE DE REVETEMENT MULTICOUCHE**
[72] GONTANI, HARUYUKI, JP
[72] NAKANO, NATSUKO, JP
[73] KANSAI PAINT CO., LTD., JP
[86] (3107833)
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[54] **ACCOMMODATIVE INTRAOCULAR LENS**
[54] **LENTILLE INTRAOCULAIRE ACCOMMODATIVE**
[72] LUQUE, SERGIO OSCAR, AT
[72] RICHTER, FRANK, DE
[72] BUCHHEISTER, JAN, DE
[72] WOLF, UWE, DE
[73] CARL ZEISS MEDITEC AG, DE
[85] 2021-01-29
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[51] **Int.Cl. E21B 43/267 (2006.01) E21B 43/26 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **PROCESS FOR DEVELOPING FRACTURE NETWORK AND HYDROCARBON RECOVERY METHOD**
[54] **PROCEDE DE DEVELOPPEMENT D'UN RESEAU DE FRACTURES ET METHODE DE RECUPERATION D'HYDROCARBURE**
[72] BUZEA, RADU, CA
[72] ELLIOTT, CHRISTOPHER J., CA
[72] GITTINS, SIMON D., CA
[73] CENOVUS ENERGY INC., CA
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[54] **DISPOSITIF DE ROTOR MICROFLUIDIQUE**
[72] BENNETT, GREG, US
[72] FARNAM, WARREN EDWARD, III, US
[73] ZOETIS SERVICES LLC, US
[85] 2021-01-29
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[25] EN
[54] **MACHINE LEARNING SYSTEM AND METHODS FOR DETERMINING CONFIDENCE LEVELS OF PERSONAL INFORMATION FINDINGS**
[54] **SYSTEME D'APPRENTISSAGE AUTOMATIQUE ET PROCEDES PERMETTANT DE DETERMINER DES NIVEAUX DE CONFIANCE DE RESULTATS D'INFORMATIONS PERSONNELLES**
[72] ENUKA, YEHOSHUA, US
[72] VAX, NIMROD, US
[72] SACHAROV, EYAL, US
[72] APEL, ITAMAR, US
[73] BIGID INC., US
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[25] EN
[54] **FRAMING ASSEMBLY WITH MODULAR CONNECTORS**
[54] **ENSEMBLE D'ENCADREMENT A CONNECTEURS MODULAIRES**
[72] SOBEL, KENNETH, US
[72] CADY, JAY, US
[73] HYPERFRAME INC., US
[85] 2021-02-08
[86] 2019-08-08 (PCT/US2019/045809)
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[30] US (62/715,954) 2018-08-08
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[54] **SNOWPLOW**
[54] **CHASSE-NEIGE**
[72] YAMAOKA, TOSHINARI, CN
[72] NIE, FANGJIE, CN
[72] FU, HUIXING, CN
[73] NANJING CHERVON INDUSTRY CO., LTD., CN
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[25] EN
[54] **HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**
[54] **TOLE D'ACIER LAMINEE A CHAUD ET SON PROCEDE DE FABRICATION**
[72] SARKAR, SUJAY, FR
[72] MARCIREAU, GUILLAUME, FR
[72] BANO, XAVIER, FR
[72] OEHLER, BLANDINE, FR
[73] ARCELORMITTAL, LU
[85] 2021-02-25
[86] 2019-09-02 (PCT/IB2019/057381)
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[30] IB (PCT/IB2018/057549) 2018-09-28

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[54] **WIRELESS CAMERA SYSTEM**
[54] **SYSTEME DE CAMERA SANS FIL**
[72] BUNN, ROBERT DOUGLAS, CA
[72] BORISS, BENJAMIN, CA
[72] EADY-LAPSLEY, BROOKE, CA
[72] EADY, LOCKE NIEL NORMAN, CA
[72] EADY, SHEA MARSHALL COLE, CA
[72] GROHMANN, RALPH, CA
[73] R.F. WIRELESS SYSTEMS INC., CA
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[54] **SYSTEMS AND METHODS FOR CUSTOMIZING A PERFORMANCE CHARACTERISTIC OF A VEHICLE**
[54] **SYSTEMES ET METHODES DE PERSONNALISATION DE CARACTERISTIQUES DE PERFORMANCE D'UN VEHICULE**
[72] BERNATCHEZ, GABRIEL, CA
[72] BRUNEAU, SAMUEL, CA
[73] TAIGA MOTORS INC., CA
[86] (3113909)
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[54] **APPARATUS AND METHOD FOR MONITORING NITRIC OXIDE DELIVERY**
[54] **APPAREIL ET PROCEDE POUR LA SURVEILLANCE DE L'ADMINISTRATION D'OXYDE NITRIQUE**
[72] ACKER, JARON, US
[72] MEDICIS, JOSEPH J., US
[72] POTENZIANO, JIM, US
[72] SCHMIDT, JEFFREY, US
[72] SCHNITMAN, ROBERT, US
[72] TOLMIE, CRAIG R., US
[73] MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED, IE
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[54] **NON-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR PRODUCING SAME, AND MOTOR CORE AND METHOD FOR PRODUCING SAME**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES ET PROCEDE DE FABRICATION D'UNE TELLE TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES, NOYAU DE MOTEUR ET PROCEDE DE FABR ICATION D'UN TEL NOYAU DE MOTEUR**
[72] ZAIZEN, YOSHIAKI, JP
[72] OKUBO, TOMOYUKI, JP
[72] ODA, YOSHIHIKO, JP
[72] MIYAMOTO, YUKINO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2021-04-14
[86] 2019-07-16 (PCT/JP2019/027949)
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[54] **LIQUID STORAGE TANK PROTECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROTECTION DE CUVE DE STOCKAGE DE LIQUIDE**
[72] BAYAT, ANTHONY B., US
[72] DORSCH, MARK E., US
[73] BAUER COMPRESSORS, INC., US
[85] 2021-04-19
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[54] **METHOD OF PRODUCING HYDROGEN**
[54] **PROCEDE DE FABRICATION D'HYDROGENE**
[72] UCHINO, YOUSUKE, JP
[72] FUJIMOTO, NORIKAZU, JP
[72] OHNO, JUN, JP
[73] ASAHI KASEI KABUSHIKI KAISHA, JP
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[54] **MODULAR PUMP AND PUMPING SYSTEM INCLUDING SAME**
[54] **POMPE MODULAIRE ET SYSTEME DE POMPAGE LA COMPRENANT**
[72] MCCROSSEN, TIMOTHY D., US
[72] PIN, CLEMENT A., III, US
[72] BIEGAS, JOHN, US
[73] LIBERTY PUMPS, INC., US
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[87] (3122663)
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[54] **SYSTEM AND METHOD FOR DETECTING AND TRANSMITTING INCIDENTS OF INTEREST OF A ROADWAY TO A REMOTE SERVER**
[54] **SYSTEME ET METHODE POUR DETECTER ET TRANSMETTRE DES INCIDENTS D'INTERET SUR LA ROUTE A UN SERVEUR ELOIGNE**
[72] TAL, ROYI, CA
[72] BAKONYI, THOMAS, CA
[72] WANG, XIMING, CA
[72] ARTMAN, OMRI, CA
[72] IBANA, REDENTHOR, CA
[72] CURRY, DAVID, CA
[72] KANDASAMY, SUTHAKARAN, CA
[73] VISUAL DEFENCE INC., CA
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[54] **CARBON-SOURCE REGULATED PROTEIN PRODUCTION IN A RECOMBINANT HOST CELL**
[54] **PRODUCTION DE PROTEINE REGULEE PAR UNE SOURCE DE CARBONE DANS UNE CELLULE HOTE RECOMBINANTE**
[72] GASSER, BRIGITTE, AT
[72] REBNEGGER, CORINNA, AT
[72] FLORES VILLEGAS, MIRELLE CITLALI, AT
[72] MATTANOVICH, DIETHARD, AT
[73] LONZA LTD, CH
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[54] **SYSTEMS AND METHODS FOR CONTROLLING PRODUCT INVENTORY**
[54] **SYSTEMES ET METHODES POUR CONTROLER UN STOCK DE PRODUITS**
[72] DEFRANCESCO, NICOLAS, CA
[72] SLEHTA, STEFAN, CA
[73] SHOPIFY INC., CA
[86] (3127810)
[87] (3127810)
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[54] **IMAGE PROCESSING DEVICE AND METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE ET METHODE**
[72] SAKURAI, HIRONARI, JP
[72] NAKAGAMI, OHJI, JP
[72] KITAMURA, TAKUYA, JP
[72] YAGASAKI, YOICHI, JP
[73] SONY CORPORATION, JP
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[54] **METHOD OF IMPROVING SLEEP**
[54] **METHODE D'AMELIORATION DU SOMMEIL**
[72] POLYMEROPOULOS, MIHAEL, US
[72] SMIESZEK, SANDRA, US
[73] VANDA PHARMACEUTICALS INC., US
[73] POLYMEROPOULOS, MIHAEL, US
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[54] **PHARMACEUTICAL COMPOUNDING METHODS AND SYSTEMS**
[54] **METHODES ET SYSTEMES DE MELANGE PHARMACEUTIQUE**
[72] BADER, PATRICK-MARTIN, CA
[72] DANOPOULOS, PANAGIOTA, CA
[72] JOINER, MARC, CA
[72] NYAT PENG WONG, SARAH, CA
[72] TALEBI, VARGHA, CA
[73] MEDISCA PHARMACEUTIQUE INC., CA
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[54] **VAPORIZATION DEVICE SYSTEMS AND METHODS**
[54] **DISPOSITIF, SYSTEMES ET PROCEDES DE VAPORISATION**
[72] MONSEES, JAMES, US
[72] BOWEN, ADAM, US
[72] HATTON, NICHOLAS, US
[72] CHRISTENSEN, STEVEN, US
[72] MORENSTEIN, JOSHUA, US
[72] HIBMACRONAN, CHRISTOPHER NICHOLAS, US
[73] JUUL LABS, INC., US
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[54] **SATELLITE IMAGE PLATFORM PROVIDING APPARATUS USING LAUNCH VEHICLE-SATELLITE-GROUND STATION-SYSTEM INTEGRATION**
[54] **APPAREIL FOURNISSANT UNE PLATEFORME D'IMAGE-SATELLITE AU MOYEN DE L'INTEGRATION VEHICULE DE LANCEMENT-SATELLITE-STATION AU SOL-SYSTEME**
[72] LEE, SUNGHEE, KR
[73] CONTEC CO., LTD., KR
[86] (3132553)
[87] (3132553)
[22] 2021-09-30
[30] KR (10-2020-0184777) 2020-12-28

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[25] EN
[54] **COUNTER-ROTATING AXIAL ELECTRIC MOTOR ASSEMBLY**
[54] **ENSEMBLE MOTEUR ELECTRIQUE AXIAL A CONTRE-ROTATION**
[72] WISHART, RANDELL J., US
[73] CR FLIGHT L.L.C., US
[85] 2021-09-10
[86] 2020-04-21 (PCT/US2020/029064)
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[25] EN
[54] **DENTAL ROOT CANAL FILLING COMPOSITIONS COMPRISING ONE OR MORE DIEPOXIDES**
[54] **COMPOSITIONS D'OBTURATION CANALAIRE COMPRENANT UN OU PLUSIEURS DIEPOXIDES**
[72] KLEE, JOACHIM E., DE
[72] WORM, MATTHIAS, DE
[73] DENTSPLY DETREY GMBH, DE
[85] 2021-09-27
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[25] EN
[54] **STEPPED DRILL BIT WITH ALTERNATELY SHARPENED EDGES TO CLEAN-OUT OBSCURED FASTENER OPENINGS IN CROSS LAMINATED TIMBER JOINTS**
[54] **TREPAN ETAGE MUNI DE BORDS AIGUISES EN ALTERNANCE POUR NETTOYER DES OUVERTURES DE FIXATION MASQUEES DANS DES JOINTS EN BOIS LAMELLE-CROISE**
[72] MILLER, MICHAEL R., US
[73] MILLER DOWEL COMPANY, US
[85] 2021-09-28
[86] 2020-04-02 (PCT/US2020/026327)
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[72] MARROUCHE, TAREK SAMI, US
[72] KACHEL, ALLIE, US
[72] MCRAE, BRYAN R., US
[73] WITHAM, NICHOLAS STEVEN, US
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[73] KACHEL, ALLIE, US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2021-10-01
[86] 2020-04-05 (PCT/US2020/026785)
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[25] EN
[54] **SYSTEM AND METHOD OF GENERATOR FREQUENCY CONTROL DURING UPS POWER WALK-IN**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FREQUENCE DE GENERATEUR PENDANT UNE MARCHE D'ALIMENTATION UPS**
[72] BUSH, TERRY D., US
[72] PANFIL, PETER A., US
[72] HEBER, BRIAN P., US
[73] VERTIV CORPORATION, US
[85] 2021-10-05
[86] 2020-04-03 (PCT/US2020/026685)
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[51] **Int.Cl. C08J 3/20 (2006.01) B29C 45/00 (2006.01) C08J 3/22 (2006.01) C08J 5/00 (2006.01)**
[25] EN
[54] **POLYLACTIDE-BASED MASTERBATCH, FOR A COMMERCIALLY VIABLE SINGLE-STEP IN-MOLD ANNEALING INJECTION MOLDING PROCESS**
[54] **MELANGE MAITRE A BASE DE POLYLACTIDE POUR PROCESSUS DE MOULAGE PAR INJECTION DE RECUIT EN MOULE EN UNE SEULE ETAPE COMMERCIALEMENT VIABLE**
[72] MANJURE, SHILPA, US
[72] KUPPUSAMY, NAGARAJ, IN
[72] LUNDBLAD, MATTHEW, US
[73] NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION, US
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[25] EN
[54] **MEDICAL DEVICE INSERTERS AND PROCESSES OF INSERTING AND USING MEDICAL DEVICES**
[54] **APPAREILS D'INSERTION DE DISPOSITIFS MEDICAUX ET PROCEDES D'INSERTION ET D'UTILISATION DE DISPOSITIFS MEDICAUX**
[72] DONNAY, MANUEL LUIS, US
[72] NGUYEN, TUAN, US
[72] PACE, LOUIS G., US
[72] ROBINSON, PETER G., US
[73] ABBOTT DIABETES CARE INC., US
[73] ABBOTT DIABETES CARE INC., US
[86] (3138585)
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[54] **GARROT A TREUIL**
[72] JOHNSON, ROSS A., US
[72] HESTER, RICHARD ALAN, US
[72] HULSEY, CORY S., US
[73] TACTICAL MEDICAL SOLUTIONS, LLC, US
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[25] EN
[54] **AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE**
[54] **VEHICULE AUTONOME A ASSISTANCE DE GUIDAGE**
[72] ROSS, WILLIAM, US
[72] BARES, JOHN, US
[72] LAROSE, DAVID, US
[72] SWEENEY, MATTHEW, US
[73] UBER TECHNOLOGIES INC., US
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[54] **WELL TREATMENT WITH BARRIER HAVING PLUG IN PLACE**
[54] **TRAITEMENT DE PUITS AVEC BARRIERE AYANT UN BOUCHON EN PLACE**
[72] MCFARLIN, NICHOLAS, W., US
[72] BACSIK, RYAN R., US
[72] MHASKAR, NAUMAN H., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[25] EN
[54] **MEASURING-ROBOT DEVICE FOR FULLY MECHANIZED COAL MINING FACE AND AUTOMATIC MEASURING SYSTEM**
[54] **ROBOT DE MESURE POUR UN FRONT DE TAILLE DE CHARBON PLEINEMENT MECANISE ET SYSTEME DE MESURE AUTOMATIQUE**
[72] MAO, SHANJUN, CN
[72] ZHANG, XINYUAN, CN
[72] LI, XINCHAO, CN
[72] TAI, YANG, CN
[72] CHEN, HUAZHOU, CN
[72] LIU, JIAZHUO, CN
[73] BEIJING LONGRUAN TECHNOLOGIES INC., CN
[73] TIANJIN NAVIGATION INSTRUMENTS RESEARCH INSTITUTE, CN
[86] (3144609)
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[54] **METHOD AND SYSTEM FOR PROCESSING BALED STRAW**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE BOTTE DE PAILLE**
[72] BREWIN, ROY, CA
[73] BREWIN, ROY, CA
[85] 2022-01-06
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[54] **SORTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRI**
[72] LIU, KAI, CN
[73] BEIJING GEEKPLUS TECHNOLOGY CO., LTD., CN
[85] 2022-02-16
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[25] EN
[54] **CONNECTOR, AND CHARGING CONTROL METHOD USING CONNECTOR**
[54] **CONNECTEUR ET PROCEDE DE COMMANDE DE CHARGE UTILISANT UN CONNECTEUR**
[72] SUN, PENGDA, CN
[73] MATRIXED REALITY TECHNOLOGY CO., LTD., CN
[85] 2022-02-23
[86] 2020-06-04 (PCT/CN2020/094334)
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[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC CAMERA INSTALLATION GUIDANCE (CIG)**
[54] **SYSTEMES ET PROCEDES DE GUIDAGE AUTOMATIQUE D'INSTALLATION PAR CAMERA (CIG)**
[72] ZHANG, YAN, US
[72] O'CONNELL, KEVIN J., US
[72] WILLIAMS, JAY J., US
[72] WANG, LICHEN, US
[73] ZEBRA TECHNOLOGIES CORPORATION, US
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[54] **A KIT OF PARTS FOR ASSEMBLING A CONTROL ASSEMBLY FOR A ROLLER BLIND**
[54] **KIT DE PIECES POUR L'ASSEMBLAGE D'UN ENSEMBLE DE COMMANDE POUR UN STORE A ROULEAU**
[72] DIAMOND, CORMAC, GB
[72] MCCULLAGH, FRANK, GB
[72] MCCULLAGH, KEVIN, GB
[72] MCGIRR, PATRICK, GB
[72] BLEAKLEY, KATHRYN, GB
[73] FOURDS LIMITED, GB
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[54] **ORTHODONTIC APPLIANCES AND MATERIALS**
[54] **APPAREILS ORTHODONTIQUES ET MATERIAUX**
[72] PHAN, LOC, US
[72] DINH, HUONG, US
[73] SMYLIO INC., US
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[54] **PRODUCTION D'HYDROXYDE DE LITHIUM ET DE CARBONATE DE LITHIUM**
[72] EHREN, PETER, CL
[73] LITHIUM ARK HOLDING B.V., NL
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[54] **PRESSURE RELIEF MECHANISM FOR SORBENT CANISTERS**
[54] **MECANISME DE DECOMPRESSION POUR CARTOUCHES DE SORBANT**
[72] WEAVER, COLIN, US
[72] SCHMIDT, DANIEL, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[54] **PANNEAU DE SUPPORT DE CHARGE COMPRENANT UNE STRUCTURE ANTICHOC**
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[73] BROCK INTERNATIONAL, US
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[54] **SYSTEM AND METHOD FOR REMOTELY CALIBRATING A PHASED ARRAY ANTENNA**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE A DISTANCE D'ANTENNE EN RESEAU PHASE**
[72] BELLEMARE, MICHEL, CA
[72] DANESHMAND, SAEED, CA
[72] LAMONTAGNE, GUILLAUME, CA
[73] MACDONALD, DETTWILER AND ASSOCIATES CORPORATION, CA
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[54] **CELL HOLDER WITH INTERMEDIATE TRAY**
[54] **SUPPORT DE CELLULE AVEC PLATEAU INTERMEDIAIRE**
[72] DORRESTEYN, DEREK, US
[73] DAMON MOTORS INC., CA
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[54] **SMALL PIXEL HIGH DYNAMIC RANGE PIXEL SENSOR**
[54] **CAPTEUR DE PIXELS A PLAGE DYNAMIQUE ELEVEE DE PETITS PIXELS**
[72] DO, HUNG T., US
[72] GONG, CHENGUANG, US
[72] LIM, PAUL G., US
[72] MAGNANI, ALBERTO M., US
[73] BAE SYSTEMS IMAGING SOLUTIONS INC., US
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[54] **DISPOSITIF DE LEVAGE DE COUVERCLE DE BASSIN DE SPA, ET BASSIN DE SPA COMPRENANT UN DISPOSITIF DE LEVAGE DE COUVERCLE DE BASSIN DE SPA**
[72] FISHER, ADAM, AU
[72] LOUAT, STEPHEN, AU
[73] VORTEX LEISURE PTY LTD, AU
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[54] **METHOD OF RECYCLING CARBON TO A FEEDSTOCK GAS REACTOR**
[54] **PROCEDE DE RECYCLAGE DE CARBONE DANS UN REACTEUR DE GAZ D'ALIMENTATION**
[72] REID, CHRISTOPHER EDWIN JOHN, CA
[72] KRATSCHMAR, KENNETH WILLIAM, CA
[72] LEBOE, DAVID AARON, CA
[73] EKONA POWER INC., CA
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[54] **SYSTEME INFORMATIQUE DE RESEAU POUR FACILITER LES ACHATS PAR MANDATAIRE**
[72] RODRIGUEZ, JOSHUA, CA
[72] WHEELER, NOLAN, CA
[71] RODRIGUEZ, JOSHUA, CA
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[54] **CHAINE SYNAPTIQUE**
[72] SHIELDS, MICHAEL, CA
[71] SHIELDS, MICHAEL, CA
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[54] **TIMING TRAY FOR USE WHEN POURING NITROGENATED BEVERAGES**
[54] **PLATEAU MINUTE A UTILISER POUR VERSER DES BREUVAGES AZOTES**
[72] CROLLY, WARREN J., IE
[71] CROLLY, WARREN J., IE
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[54] **EGG SUBSTITUTE AND METHOD OF MANUFACTURE**
[54] **SUBSTITUT D'OEUF ET METHODE DE FABRICATION**
[72] YEHYA, AHMAD, CA
[72] CARRIERE, KRISTYN, CA
[72] BZEIH, RIM, CA
[71] NABATI FOODS INC., CA
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[25] EN
[54] **SYSTEMS AND METHODS FOR EXCEPTIONAL, FLEXIBLE PEGBOARD DEPLOYMENT**
[54] **SYSTEMES ET METHODES DE DEPLOIEMENT DE PANNEAU D'ACCROCHAGE FLEXIBLE EXCEPTIONNEL**
[72] GROVER, RAJIVE, CA
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[54] **VARIABLE ANGLE DUSTPAN**
[54] **RAMASSE-POUSSIERE A ANGLE VARIABLE**
[72] RIVETTE, MARC, CA
[71] RIVETTE, MARC, CA
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[25] EN
[54] **SPRING CANOLA VARIETY SCV207192**
[54] **VARIETE DE CANOLA DE PRINTEMPS SCV207192**
[72] ARNAUD, EMILIE, US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **SPRING CANOLA VARIETY SCV790235**
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[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **SPRING CANOLA VARIETY SCV644119**
[54] **VARIETE DE CANOLA DE PRINTEMPS SCV644119**
[72] BURNS, DALE, US
[72] CHRISTIANSON, JED, US
[72] FARRELL, CHRISTINA, US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **SPRING CANOLA VARIETY SCV391653**
[54] **VARIETE DE CANOLA DE PRINTEMPS SCV391653**
[72] ZHANG, XUEHUA, US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **SPRING CANOLA VARIETY SCV670592**
[54] **VARIETE DE CANOLA DE PRINTEMPS SCV670592**
[72] BURNS, DALE, US
[72] FARRELL, CHRISTINA, US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **IMPROVED INTERLOCKING BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION INTERVERROUILLE AMELIORE**
[72] FEARON, CLAYTON P., CA
[71] FEARON, CLAYTON P., CA
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[54] **CANOLA VARIETY SCV485958**
[54] **VARIETE DE CANOLA SCV485958**
[72] ARNAUD, EMILIE, US
[72] FARRELL, CHRISTINA, US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **CANOLA VARIETY SCV185858**
[54] **VARIETE DE CANOLA SCV185858**
[72] ARNAUD, EMILIE, US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **CANOLA VARIETY SCV505066**
[54] **VARIETE DE CANOLA SCV505066**
[72] BURNS, DALE, US
[72] CHRISTIANSON, JED, US
[72] FARRELL, CHRISTINA, US
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[25] EN
[54] **CANOLA VARIETY SCV945425**
[54] **VARIETE DE CANOLA SCV945425**
[72] FARRELL, CHRISTINA, US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **CANOLA VARIETY SCV989696**
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[72] BURNS, DALE, US
[72] FARRELL, CHRISTINA, US
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[54] **HALTERE D'EXERCICE**
[72] DUFFY, GORDON, CA
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[54] **SYSTEM, METHOD AND ASSEMBLY FOR SMOKING DEVICE**
[54] **SYSTEME, METHODE ET ASSEMBLAGE POUR UN DISPOSITIF POUR FUMER**
[72] DAILY, DAVID, US
[72] EVANS, MICAH, US
[72] DODSON, TRAVIS, US
[71] GRAVITRON, LLC, US
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[54] **DISTRIBUTED DIAGNOSTICS AND CONTROL OF A MULTI-UNIT PUMPING OPERATION**
[54] **DIAGNOSTIC ET CONTROLE DISTRIBUES D'UNE EXPLOITATION DE POMPAGE A PLUSIEURS UNITES**
[72] STARK, DANIEL JOSHUA, US
[72] PARSEGOV, SERGEI, US
[72] SWAMINATHAN, TIRUMANI, US
[72] RAY, BAIDURJA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **METHOD FOR PREVENTING OR TREATING INFECTION OF RESPIRATORY VIRUS UTILIZING GOLD NANOPARTICLES**
[54] **METHODE DE PREVENTION ET DE TRAITEMENT DE L'INFECTION D'UN VIRUS RESPIRATOIRE UTILISANT DES NANOPARTICULES D'OR**
[72] CHIN, CHUR, KR
[71] CHIN, CHUR, KR
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[54] **EXERCISE BAR CARRIAGE LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE DE CHARIOT DE BARRE D'EXERCICE**
[72] KILBY, FRANK, US
[71] DREAM VISIONS, LLC., US
[22] 2021-10-07
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[54] **SELF-HOLDING AND SELF-DRIVING DRILLING SYSTEM**
[54] **SYSTEME DE FORAGE AUTOPORTANT ET AUTOENTRAINE**
[72] ROTEM, NIMROD, CN
[72] JOUKOV, OLEG, IL
[72] TSFASMAN, EDUARD, IL
[71] NEMO POWER TOOLS LIMITED, CN
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[54] **PHOTON DETECTOR SYSTEM FOR THE ANALYSIS AND NOISE REDUCTION OF OPTICAL SIGNALS CARRYING DIGITAL INFORMATION**
[54] **SYSTEME DE DETECTION DE PHOTONS POUR L'ANALYSE ET LA REDUCTION DE BRUIT DE SIGNAUX OPTIQUES TRANSPORTANT DES RENSEIGNEMENTS NUMERIQUES**
[72] NOURAEE, ERFAN, CA
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[54] **PROSPECTIVE FAULT ADAPTATION FOR PROJECT MANAGEMENT**
[54] **ADAPTATION EN CAS D'ANOMALIE PROSPECTIVE POUR LA GESTION DE PROJET**
[72] DIGBY, COLM, ES
[72] MC NERNEY, OONAGH CLAIRE, ES
[72] FORD, DAVID FRANCIS NETTLETON, ES
[71] IRIS TECHNOLOGY SOLUTIONS, S.L., ES
[22] 2022-02-18
[41] 2023-01-02
[30] FR (FR2107175) 2021-07-02

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[13] A1
[51] **Int.Cl. B60R 19/42 (2006.01) B60P 7/08 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **ANGULAR RUB RAILS FOR TRAILERS**
[54] **RAILS DE GUIDAGE ANGULAIRES POUR REMORQUES**
[72] HOMEC, LAURA, US
[72] BUI, LOC QUOC, US
[72] CHANG, WEILUN, US
[71] HYUNDAI TRANSLEAD, US
[22] 2022-03-08
[41] 2023-01-06
[30] US (17/368,649) 2021-07-06

[21] **3,153,300**
[13] A1
[51] **Int.Cl. E04G 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREVENTING A WALKWAY PLATFORM FLIP DOOR FROM BEING RAISED WITHOUT A GUARDRAIL INSTALLED**
[54] **SYSTEMES ET METHODE POUR EMPECHER UNE PORTE BATTANTE DE PASSERELLE D'ETRE SOULEVEE SANS UN GARDE-FOU INSTALLE**
[72] RUSSELL, DON J., US
[72] DUNLAP, BRENNAN J., US
[71] THE BOEING COMPANY, US
[22] 2022-03-18
[41] 2023-01-07
[30] US (17/369,560) 2021-07-07

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[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01) B64F 5/00 (2017.01) E04G 1/15 (2006.01) E04G 5/14 (2006.01) E05C 3/12 (2006.01)**
[25] EN
[54] **INBOARD-MOUNTED SAFETY LATCH MECHANISM FOR PREVENTING A WALKWAY PLATFORM FLIP DOOR FROM BEING RAISED WITHOUT A GUARDRAIL INSTALLED**
[54] **MECANISME DE VERROUILLAGE DE SECURITE INTEGRE POUR EMPECHER UNE PORTE BATTANTE DE PASSERELLE D'ETRE SOULEVEE SANS UN GARDE-FOU INSTALLE**
[72] RUSSELL, DON J., US
[72] DUNLAP, BRENNAN J, US
[71] THE BOEING COMPANY, US
[22] 2022-03-18
[41] 2023-01-07
[30] US (17/369,566) 2021-07-07

[21] **3,156,328**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/079 (2010.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CATIONIC DENDRIMERS FOR THE CULTURE OF ADHERENT CELLS**
[54] **DENDRIMERES CATIONIQUES POUR LA CULTURE DE CELLULES ADHERENTES**
[72] KENNEDY, TIMOTHY E., CA
[72] CLEMENT, JEAN-PIERRE, CA
[72] AL-ALWAN, LAILA, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[22] 2022-04-19
[41] 2023-01-07
[30] US (63/219,083) 2021-07-07

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **SECURE AND ROBUST FEDERATED LEARNING SYSTEM AND METHOD BY MULTI-PARTY HOMOMORPHIC ENCRYPTION**
[54] **SYSTEME ET METHODE D'APPRENTISSAGE FEDERE SECURISE ET ROBUSTE PAR CHIFFREMENT HOMOMORPHIQUE MULTI-PARTIE**
[72] KHISTI, ASHISH, CA
[72] HOSSEINI, SYEDERFAN, CA
[72] OBA, MITSUHARU, JP
[72] FUJIMOTO, TAKUSHI, JP
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[71] HITACHI SOLUTIONS, LTD., JP
[22] 2022-04-25
[41] 2023-01-06
[30] JP (2021-111934) 2021-07-06

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[13] A1
[51] **Int.Cl. F16L 37/56 (2006.01) F16L 37/08 (2006.01)**
[25] EN
[54] **GENDERLESS ASEPTIC CONNECTOR**
[54] **CONNECTEUR ASEPTIQUE SANS GENRE**
[72] CICCONE, PAUL C., US
[72] COULSON, WILLIAM A., US
[72] COULSON, MARCIA, US
[71] WILMARC HOLDINGS, LLC, US
[22] 2022-04-25
[41] 2023-01-01
[30] US (17/365085) 2021-07-01

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[13] A1
[51] **Int.Cl. F21S 9/03 (2006.01) F21S 8/04 (2006.01) F21V 3/02 (2006.01) F21V 15/01 (2006.01) F21V 21/02 (2006.01)**
[25] EN
[54] **SOLAR COACH LIGHT**
[54] **LAMPE MURALE SOLAIRE**
[72] DAHAN, MICHAEL, CA
[71] LES PRODUITS SUNFORCE INC., CA
[22] 2022-04-29
[41] 2023-01-02
[30] US (63217936) 2021-07-02

[21] **3,157,692**
[13] A1
[51] **Int.Cl. B62B 1/10 (2006.01) B61K 13/00 (2006.01)**
[25] EN
[54] **SINGLE WHEELED KNUCKLE CARRIER**
[54] **CHARIOT ARTICULE A UNE ROUE**
[72] LOY, ROBERT BRIAN, US
[71] THE NOLAN COMPANY, US
[22] 2022-04-28
[41] 2023-01-02
[30] US (17/366,279) 2021-07-02

[21] **3,159,764**
[13] A1
[51] **Int.Cl. B09B 3/35 (2022.01)**
[25] EN
[54] **WASTE-CUTTING DEVICE AND METHOD FOR CUTTING UP PUNCHING SCRAP**
[54] **DISPOSITIF DE COUPE A DECHETS ET METHODE POUR DECOUPER DES REBUTS DE POINCONNAGE**
[72] WALTHER, ANDREAS, CH
[72] STAMPFLI, MARC, CH
[71] FEINTOOL INTERNATIONAL HOLDING AG, CH
[22] 2022-05-18
[41] 2023-01-06
[30] EP (21183896.6) 2021-07-06

[21] **3,160,081**
[13] A1
[51] **Int.Cl. H05B 45/00 (2022.01) H05B 45/20 (2020.01) H05B 45/42 (2020.01) H05B 47/19 (2020.01)**
[25] EN
[54] **LIGHTING DEVICE AND METHOD FOR ADJUSTING LIGHT ATTRIBUTE OF THE SAME**
[54] **DISPOSITIF D'ECLAIRAGE ET METHODE POUR AJUSTER UN ATTRIBUT D'ECLAIRAGE**
[72] GAO, JIE, CN
[72] XIAO, KUN, CN
[72] GONG, YANKUN, CN
[72] YAO, PAN, CN
[72] ZHU, JIA, CN
[71] SAVANT TECHNOLOGIES LLC, US
[22] 2022-05-24
[41] 2023-01-01
[30] US (17/365,562) 2021-07-01

[21] **3,161,130**
[13] A1
[51] **Int.Cl. G06Q 40/06 (2012.01)**
[25] EN
[54] **INVESTMENT TRANSACTION ENRICHMENT PROCESS USING TRANSACTION TO HOLDINGS MATCHING**
[54] **PROCEDE D'ENRICHISSEMENT DES DONNEES DE TRANSACTIONS DE PLACEMENT AU MOYEN DE CORRESPONDANCES TRANSACTION-AVOIRS**
[72] KAPOOR, ROHIT, IN
[72] SHASHANK, SWAPNIL, IN
[72] TRIVEDI, DHVANIT, IN
[72] REYNOLDS, CHRIS, US
[72] KANNAN D, KAALINGA MURALIK, IN
[71] YODLEE, INC., US
[22] 2022-05-31
[41] 2023-01-06
[30] US (17/368,611) 2021-07-06

[21] **3,161,494**
[13] A1
[51] **Int.Cl. B31C 1/00 (2006.01) B65H 75/10 (2006.01) B65H 75/18 (2006.01)**
[25] EN
[54] **CONVOLUTE CARDBOARD TUBE, APPARATUS AND METHOD FOR MANUFACTURING THE SAME**
[54] **TUBE EN CARTON DE FABRICATION CONVOLUTE, APPAREIL ET METHODE DE FABRICATION**
[72] D'ANGLADE, PIERRE-MICHEL, CA
[71] ABZAC CANADA INC., CA
[22] 2022-06-03
[41] 2023-01-02
[30] US (17/503,068) 2021-10-15

[21] **3,161,656**
[13] A1
[51] **Int.Cl. G01N 21/90 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING DAMAGES IN FREIGHT CONTAINER**
[54] **METHODE ET SYSTEME POUR DETECTER LES DOMMAGES DANS LES CONTENEURS DE TRANSPORT**
[72] HUTTUNEN, HEIKKI, FI
[72] HAKALA, JOONA, FI
[72] SELINUMMI, JYRKI, FI
[71] VISY OY, FI
[22] 2022-06-06
[41] 2023-01-02
[30] FI (20215780) 2021-07-02

[21] **3,161,816**
[13] A1
[51] **Int.Cl. C08L 67/02 (2006.01) B65D 65/38 (2006.01) C08J 5/18 (2006.01) G09F 3/02 (2006.01)**
[25] EN
[54] **POLYESTER FILM, HEAT-SHRINKABLE LABEL AND PACKAGING COMPRISING SAME**
[54] **FILM EN POLYESTER, ETIQUETTE THERMORETRACTABLE ET EMBALLAGE LES COMPRENANT**
[72] YANG, JOO HO, KR
[72] KIM, CHUL KYU, KR
[72] KIM, YONG DEUK, KR
[72] KIM, SEUNG KYUN, KR
[71] SKC CO., LTD., KR
[22] 2022-06-03
[41] 2023-01-05
[30] KR (10-2021-0087847) 2021-07-05

[21] **3,162,153**
[13] A1
[51] **Int.Cl. A61F 5/03 (2006.01) A41C 3/00 (2006.01) A41D 1/22 (2018.01) A61F 5/37 (2006.01)**
[25] EN
[54] **CHEST BINDER**
[54] **CAMISOLE DE COMPRESSION DE LA POITRINE**
[72] PROCHNER, ISABEL, US
[71] PROCHNER, ISABEL, US
[22] 2022-06-09
[41] 2023-01-02
[30] US (63/217,918) 2021-07-02
[30] US (17/701,765) 2022-03-23

[21] **3,162,191**
[13] A1
[51] **Int.Cl. E21B 19/24 (2006.01)**
[25] EN
[54] **PASSIVE TUBULAR CONNECTION GUIDE**
[54] **GUIDE DE CONNEXION TUBULAIRE PASSIVE**
[72] SAUNDERS, CHRISTOPHER J., US
[72] WEST, NEIL, US
[71] NATIONAL OILWELL VARCO, L.P., US
[22] 2022-06-09
[41] 2023-01-02
[30] US (17/305,299) 2021-07-02

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[13] A1
[51] **Int.Cl. A47C 21/00 (2006.01) A47C 31/00 (2006.01) A47G 9/02 (2006.01)**
[25] EN
[54] **SINGLE COVER PASSIVE MATTRESS SPINNER**
[54] **MECANISME DE ROTATION DE MATELAS PASSIF A COUVERTURE UNIQUE**
[72] SCARLESKI, WILLIAM JOHN, US
[71] LEVITATION SCIENCES LLC, US
[22] 2022-06-15
[41] 2023-01-01
[30] US (17/365,205) 2021-07-01

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[13] A1
[51] **Int.Cl. B65F 3/22 (2006.01)**
[25] EN
[54] **REFUSE PACKER SYSTEM WITH AUGER**
[54] **SYSTEME DE COMPRESSION DE DECHETS COMPRENANT UNE TARIERE**
[72] FRAAS, MARK, US
[72] EVANS, ERIC, US
[72] PEEK, MICHAEL SHANE, US
[72] MASON, TRACY, US
[72] PANDYA, TAPANKUMAR, US
[72] WHITE, BRYAN, US
[72] BASRAI, TAHER TAIYEB, US
[71] THE HEIL CO., US
[22] 2022-07-06
[41] 2023-01-06
[30] US (63/218,789) 2021-07-06

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[13] A1
[51] **Int.Cl. B65D 43/22 (2006.01) B62B 1/18 (2006.01) B65F 1/14 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **LID ASSEMBLY FOR A CONTAINER**
[54] **COUVERCLE POUR RECIPIENT**
[72] FOSTER, DERICK, US
[72] THOMSON, JOHN MATTHEW, US
[72] GRAVITT, DEREK, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2022-07-07
[41] 2023-01-07
[30] US (63/219,141) 2021-07-07
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[13] A1
[51] **Int.Cl. B65D 43/22 (2006.01) B62B 1/16 (2006.01) B65D 43/16 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **LOCKING MECHANISM FOR CONTAINER**
[54] **MECANISME DE VERROUILLAGE POUR CONTENANT**
[72] FOSTER, DERICK, US
[72] THOMSON, JOHN MATTHEW, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2022-07-07
[41] 2023-01-07
[30] US (63/219,126) 2021-07-07
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[13] A1
[51] **Int.Cl. F15C 3/02 (2006.01) F16K 31/02 (2006.01)**
[25] EN
[54] **DIRECTIONAL CONTROL VALVE**
[54] **DISTRIBUTEUR**
[72] YAZAWA, RYO, JP
[72] NAKAJIMA, SHIGETO, JP
[72] NIBE, AKIHITO, JP
[72] KINOSHITA, KOICHI, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[22] 2022-06-21
[41] 2023-01-05
[30] JP (2021-111282) 2021-07-05

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[51] **Int.Cl. F16B 9/00 (2006.01) A63B 9/00 (2006.01) A63B 22/00 (2006.01) A63B 26/00 (2006.01) A63B 69/00 (2006.01) E04H 12/22 (2006.01) F16C 11/06 (2006.01) F16C 23/06 (2006.01)**
[25] EN
[54] **COUPLING DEVICE FOR A VERTICAL POLE FOR GYM EXERCISES**
[54] **DISPOSITIF D'ACCOUPLEMENT POUR UN POLE VERTICAL D'EXERCICES EN SALLE D'ENTRAINEMENT**
[72] ANGELO, MATELLINI, IT
[71] LA.ME DI MATELLINI ANGELO E DANILLO & C SAS, IT
[22] 2022-06-22
[41] 2023-01-02
[30] EP (21183504.6) 2021-07-02

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[13] A1
[51] **Int.Cl. G06V 40/50 (2022.01) G06F 21/62 (2013.01) G06F 16/90 (2019.01) G06F 16/906 (2019.01)**
[25] EN
[54] **METHODS FOR COMPARING CONFIDENTIAL BIOMETRIC DATABASES**
[54] **METHODES POUR COMPARER DES BASES DE DONNEES BIOMETRIQUES CONFIDENTIELLES**
[72] CHABANNE, HERVE, FR
[72] DESPIEGEL VINCENT, FR
[71] IDEMIA IDENTITY & SECURITY FRANCE, FR
[22] 2022-06-24
[41] 2023-01-07
[30] FR (2107334) 2021-07-07

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[13] A1
[25] EN
[54] **POSITION RELIABILITY OF MAGNETS OF A SWITCHING DEVICE**
[54] **FIABILITE DE POSITION D'AIMANTS D'UN DISPOSITIF DE COMMUTATION**
[72] BUENAVENTURA, FELIPE CASTILLO, FR
[72] WANG, CAIJIN, SG
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2022-06-24
[41] 2023-01-01
[30] EP (21305907.4) 2021-07-01

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[13] A1
[51] **Int.Cl. F23N 5/00 (2006.01) F24C 3/12 (2006.01)**
[25] EN
[54] **FLAME CONTROL DEVICE FOR GAS BURNER APPARATUSES**
[54] **DISPOSITIF DE COMMANDE DE FLAMME POUR DES BRULEURS A GAZ**
[72] VERONESE, ANDREA, IT
[71] SIT S.P.A., IT
[22] 2022-06-28
[41] 2023-01-01
[30] IT (102021000017378) 2021-07-01

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[13] A1
[51] **Int.Cl. F24F 11/30 (2018.01) F24F 1/037 (2019.01) F24F 1/039 (2019.01) F24F 3/147 (2006.01) F24F 6/04 (2006.01) F28F 25/02 (2006.01)**
[25] FR
[54] **SYSTEM FOR HUMIDIFYING AND COOLING AN AIRFLOW AND METHOD FOR CLEANING AN EVAPORATIVE PANEL ON SUCH A SYSTEM**
[54] **SYSTEME D'HUMIDIFICATION ET DE REFROIDISSEMENT D'UN FLUX D'AIR ET PROCEDE DE NETTOYAGE D'UN PANNEAU D'EVAPORATION D'UN TEL SYSTEME**
[72] FRAMBOT, JEAN-FRANCOIS, FR
[71] DEVATEC, FR
[22] 2022-06-28
[41] 2023-01-01
[30] EP (21305910.8) 2021-07-01

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[13] A1
[51] **Int.Cl. B65D 6/18 (2006.01) B65D 6/22 (2006.01) B65D 85/32 (2006.01)**
[25] EN
[54] **CONTAINER**
[54] **CONTENANT**
[72] SEKOWSKI, DANIEL VINCENT, US
[72] APPS, WILLIAM P., US
[71] REHRIG PACIFIC COMPANY, US
[22] 2022-06-29
[41] 2023-01-02
[30] US (63/218,269) 2021-07-02

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[13] A1
[51] **Int.Cl. E06B 9/11 (2006.01) E04H 15/00 (2006.01) E04H 15/58 (2006.01) E06B 9/56 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **A DOOR ASSEMBLY FOR A SHELTER AND A SHELTER INCLUDING SAME**
[54] **ASSEMBLAGE DE PORTE POUR UN ABRI ET ABRI COMPORTANT L'ASSEMBLAGE**
[72] BEVILACQUA, GEORGE A., US
[72] OTIS, CHRISTIAN M., US
[72] SHEPHERD, DERALD L., US
[72] DEGENNARO, MATTHEW M., US
[71] SHELTERLOGIC CORP., US
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[41] 2023-01-01
[30] US (63/217,394) 2021-07-01

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[13] A1
[51] **Int.Cl. E05D 7/00 (2006.01) E05D 11/00 (2006.01)**
[25] EN
[54] **COUNTERBALANCE HINGE ASSEMBLY**
[54] **ASSEMBLAGE DE CHARNIERE A CONTREPOIDS**
[72] WALDEN, ROBERT, US
[72] LAY, DAVID, US
[72] ZHANG, DAYE, US
[71] AUSTIN HARDWARE & SUPPLY, INC., US
[22] 2022-06-30
[41] 2023-01-01
[30] US (63/217,468) 2021-07-01

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[13] A1
[51] **Int.Cl. H04L 67/30 (2022.01) H04L 65/1066 (2022.01)**
[25] EN
[54] **APPLICATION COLLABORATION SYSTEM AND RELATED METHOD**
[54] **SYSTEME DE COOPERATION D'APPLICATION ET METHODE CONNEXE**
[72] QUARTIERO, ROMEO, IT
[71] DS GROUP S.P.A., IT
[22] 2022-06-29
[41] 2023-01-05
[30] EP (21425032.6) 2021-07-05

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[13] A1
[51] **Int.Cl. F16C 35/00 (2006.01) F03B 11/00 (2006.01)**
[25] EN
[54] **REPLACING A STUB SHAFT BEARING FOR A HYDROELECTRIC TURBINE USING A RUNNER HUB LIFTING DEVICE**
[54] **REMPLACEMENT D'UN PALIER D'ARBRE DE LIAISON POUR UNE TURBINE HYDROELECTRIQUE AU MOYEN D'UN APPAREIL DE LEVAGE DE MOYEU MOBILE**
[72] DALL, ANTHONY ROBERT, JR., US
[72] DA SILVA, WAGNER VANCI, US
[72] CANTIN, BERNARD, US
[71] ANDRITZ HYDRO CORP., US
[22] 2022-06-29
[41] 2023-01-06
[30] US (17/368,399) 2021-07-06

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[13] A1
[51] **Int.Cl. G09B 23/30 (2006.01) A61B 34/10 (2016.01) G16H 20/40 (2018.01) G16H 50/50 (2018.01) A61F 2/46 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF USING THREE-DIMENSIONAL IMAGE RECONSTRUCTION TO AID IN ASSESSING BONE OR SOFT TISSUE ABERRATIONS FOR ORTHOPEDIC SURGERY**
[54] **SYSTEMES ET METHODES D'UTILISATION DE LA RECONSTITUTION D'IMAGE TRIDIMENSIONNELLE POUR AIDER A L'EVALUATION DES ABERRATIONS DANS LES OS OU LES TISSUS MOUS AUX FINS DE CHIRURGIE ORTHOPEDIQUE**
[72] HARRIS, BRIAN R., JR., US
[71] MICROPORT ORTHOPEDICS HOLDINGS INC., US
[22] 2022-06-29
[41] 2023-01-01
[30] US (63/217,567) 2021-07-01
[30] US (17/835,894) 2022-06-08

[21] **3,166,172**
[13] A1
[51] **Int.Cl. B60J 5/10 (2006.01)**
[25] EN
[54] **LIFTGATE WITH METAL REINFORCEMENT AND A SWINGDOOR ARRANGEMENT**
[54] **HAYON COMPRENANT UN RENFORT METALLIQUE ET UNE CONFIGURATION DE PORTE VA-ET-VIENT**
[72] HASL, PAUL, CZ
[72] KADLEC, VITEZSLAV, CZ
[72] SIVEK, MARTIN, CZ
[72] BARTA, JAN, CZ
[71] MAGNA EXTERIORS INC., CA
[22] 2022-06-30
[41] 2023-01-02
[30] US (63/217,782) 2021-07-02
[30] US (63/236,434) 2021-08-24
[30] US (63/237,393) 2021-08-26

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[13] A1
[51] **Int.Cl. F16M 13/00 (2006.01) E04B 7/18 (2006.01) F16L 3/223 (2006.01) F16M 5/00 (2006.01) E04C 1/00 (2006.01)**
[25] EN
[54] **SUPPORT BLOCK ASSEMBLY**
[54] **ASSEMBLAGE DE BLOC DE SUPPORT**
[72] DHALE, SAYALI SHRIDHAR, US
[72] GRAHEK, NICHOLAS ROBERT, US
[72] TALLY, BRANDON MICHAEL, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2022-06-30
[41] 2023-01-02
[30] US (63/217946) 2021-07-02

[21] **3,166,228**
[13] A1
[51] **Int.Cl. F24D 19/10 (2006.01) F24F 11/62 (2018.01)**
[25] EN
[54] **QUICK HEAT ALGORITHM FOR MODULATING HEATING EQUIPMENT**
[54] **ALGORITHME DE CHALEUR RAPIDE POUR MODULER UN EQUIPEMENT DE CHAUFFAGE**
[72] MATHEW, RAKESH, US
[71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[22] 2022-06-30
[41] 2023-01-01
[30] US (17/365814) 2021-07-01

[21] **3,166,231**
[13] A1
[51] **Int.Cl. F16L 37/086 (2006.01) F16L 33/00 (2006.01) F16L 47/28 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **QUICK FLEX DUCT CONNECTIONS AND SYSTEM**
[54] **RACCORDEMENTS DE CONDUITE FLEXIBLE ET SYSTEME**
[72] WHITE, KEITH R., CA
[71] 1236220 B.C. LTD., CA
[22] 2022-06-30
[41] 2023-01-01
[30] US (63/217,311) 2021-07-01

[21] **3,166,236**
[13] A1
[51] **Int.Cl. H01M 8/04119 (2016.01) H01M 8/2465 (2016.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MOLD MITIGATION IN FUEL CELL HUMIDIFIERS**
[54] **METHODES ET APPAREIL POUR L'ATTENUATION DE LA MOISISSURE DANS LES HUMIDIFICATEURS DE RESERVOIR CARBURANT**
[72] MACKINNON, SEAN MICHAEL, CA
[72] GUENTHER, MATTHEW, CA
[72] KENNETTE, CLAUDETTE, CA
[71] LOOP ENERGY INC., CA
[22] 2022-06-30
[41] 2023-01-03
[30] US (63/218,280) 2021-07-03

[21] **3,166,239**
[13] A1
[51] **Int.Cl. B60L 53/53 (2019.01) H02S 10/40 (2014.01) B60L 53/60 (2019.01) B60P 3/07 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01) H02J 15/00 (2006.01)**
[25] EN
[54] **RECREATIONAL VEHICLES WITH EV CHARGING CAPACITY**
[54] **VEHICULES RECREATIFS COMPRENANT UNE CAPACITE DE RECHARGE DE VEHICULE ELECTRIQUE**
[72] KATKURI, RAKESH, IN
[72] CHANNARAYAPATNA, SHASHIDHAR SURYANARAYANA, US
[72] DOEHRMANN, SHANE, US
[72] HANDGEN, CHRISTOPHER, US
[71] THE ALUMINUM TRAILER COMPANY, US
[22] 2022-06-30
[41] 2023-01-06
[30] US (63/218,655) 2021-07-06
[30] US (17/806,774) 2022-06-14

[21] **3,166,248**
[13] A1
[51] **Int.Cl. H04B 1/715 (2011.01) H04B 1/12 (2006.01)**
[25] EN
[54] **EXCISION OF INTERFERENCE WITH HOPPED WAVEFORMS**
[54] **EXCISION D'INTERFERENCE DANS LES FORMES D'ONDE ETALEES**
[72] LINDSAY, LANCE R., US
[72] GIBSON, L. ANDREW, US
[72] BROWN, CHRISTOPHER L., US
[72] LANDON, DAVID G., US
[72] TWITCHELL, EDWIN R., US
[71] L3HARRIS TECHNOLOGIES, INC., US
[22] 2022-06-30
[41] 2023-01-01
[30] US (17/365,910) 2021-07-01

[21] **3,166,329**
[13] A1
[51] **Int.Cl. B60K 28/04 (2006.01)**
[25] EN
[54] **TETHERLESS SHUTOFF SYSTEMS AND METHODS FOR POWERSPORT VEHICLES**
[54] **SYSTEMES D'ARRET SANS CABLE ET METHODES POUR DES VEHICULES SPORTIFS MOTORISES**
[72] BRUNEAU, SAMUEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-06-27
[41] 2023-01-07
[30] US (63/219,117) 2021-07-07

[21] **3,166,450**
[13] A1
[51] **Int.Cl. F16L 21/02 (2006.01)**
[25] EN
[54] **FITTING ASSEMBLY COMPRISING A SOCKET AND AN INTERCHANGEABLE RING**
[54] **ASSEMBLAGE DE RACCORD COMPRENANT UNE DOUILLE ET UNE BAGUE INTERCHANGEABLE**
[72] MAZET, YANNICK, FR
[72] STEPKA, SAMUEL, FR
[72] GARAPON, GILLES, FR
[72] BUFFARD, GUILLAUME, FR
[71] RACCORDS ET PLASTIQUES NICOLL, FR
[22] 2022-06-28
[41] 2023-01-01
[30] FR (FR21/07155) 2021-07-01

[21] **3,166,453**
[13] A1
[51] **Int.Cl. H02G 1/00 (2006.01) H02G 1/08 (2006.01) H02G 9/08 (2006.01)**
[25] EN
[54] **METHOD FOR FESTOONING A POWER CABLE**
[54] **METHODE DE MISE EN GUIRLANDE D'UN CABLE D'ALIMENTATION**
[72] BACCHINI, MARCO, IT
[72] MANFREDI, SIMONE, IT
[72] GENOVESI, MARIO, IT
[71] PRYSMIAN S.P.A., IT
[22] 2022-06-28
[41] 2023-01-01
[30] IT (102021000017399) 2021-07-01

[21] **3,166,544**
[13] A1
[51] **Int.Cl. A01M 31/02 (2006.01) E06C 1/08 (2006.01) E06C 7/00 (2006.01) E06C 7/16 (2006.01)**
[25] EN
[54] **TREE STAND**
[54] **SUPPORT D'ECHELLE SUR ARBRE**
[72] COTHERMAN, CRAIG R., US
[71] COTHERMAN, CRAIG R., US
[22] 2022-06-29
[41] 2023-01-01
[30] US (63/217,558) 2021-07-01

[21] **3,166,557**
[13] A1
[51] **Int.Cl. A61B 6/08 (2006.01) A61B 6/00 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **SURGICAL VIEWING SYSTEM**
[54] **SYSTEME DE VISIONNEMENT CHIRURGICAL**
[72] RICH, DAVID B., US
[71] ECLIPSE ORTHOPAEDICS, LLC, US
[22] 2022-06-28
[41] 2023-01-01
[30] US (63/217,556) 2021-07-01

[21] **3,166,665**
[13] A1
[51] **Int.Cl. G06Q 30/0226 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSFERRING LOYALTY REWARDS POINTS**
[54] **SYSTEME ET METHODE DE TRANSFERT DES POINTS DE RECOMPENSE DE FIDELISATION**
[72] HENNESSY, MATTHEW, CA
[72] WINER, DAN, CA
[71] SMILE INC., CA
[22] 2022-06-30
[41] 2023-01-02
[30] US (63/218104) 2021-07-02

[21] **3,166,666**
[13] A1
[51] **Int.Cl. G06Q 30/0226 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NORMALIZING AND AGGREGATING POINT BALANCES TO A COMMON BASIS**
[54] **SYSTEMES ET METHODES POUR NORMALISER ET REGROUPER DES SOLDES DE POINT SUR UNE BASE COMMUNE**
[72] HENNESSY, MATTHEW, CA
[72] WINER, DAN, CA
[71] SMILE INC., CA
[22] 2022-06-30
[41] 2023-01-02
[30] US (63/218081) 2021-07-02

[21] **3,166,667**
[13] A1
[51] **Int.Cl. A63B 21/00 (2006.01) A63B 21/22 (2006.01) A63B 23/02 (2006.01) A63B 23/12 (2006.01)**
[25] EN
[54] **FITNESS DEVICE**
[54] **DISPOSITIF DE CONDITIONNEMENT PHYSIQUE**
[72] TAYAR, ELIAHU, IL
[71] TAYAR, ELIAHU, IL
[22] 2022-06-30
[41] 2023-01-04
[30] IL (284597) 2021-07-04

[21] **3,166,681**
[13] A1
[51] **Int.Cl. E04D 1/12 (2006.01)**
[25] EN
[54] **GRAPHENE-CONTAINING COATINGS FOR ROOFING MATERIALS AND RELATED METHODS**
[54] **REVETEMENTS CONTENANT DU GRAPHENE POUR DES MATERIAUX DE COUVERTURE ET METHODES CONNEXES**
[72] SHIAO, MING-LIANG, US
[71] BMIC LLC, US
[22] 2022-07-04
[41] 2023-01-01
[30] US (63/217,623) 2021-07-01

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[13] A1
[51] **Int.Cl. B63H 23/34 (2006.01) F16J 15/324 (2016.01) B63H 20/00 (2006.01) F16N 39/02 (2006.01)**
[25] EN
[54] **A PROPULSION UNIT FOR A MARINE VESSEL**
[54] **UNITE DE PROPULSION POUR UN NAVIRE**
[72] KEKKI, TUOMAS, FI
[72] PELLINEN, PETRI, FI
[72] SIIPILEHTO, SAKARI, FI
[72] HERRANEN, TUOMAS, FI
[72] TUPPURAINEN, ANTTI, FI
[71] ABB OY, FI
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[30] EP (21183627.5) 2021-07-05

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[13] A1
[51] **Int.Cl. A61F 9/04 (2006.01) A41D 13/05 (2006.01) A41D 13/11 (2006.01) B29C 44/12 (2006.01)**
[25] EN
[54] **A MASK**
[54] **MASQUE**
[72] DUBOIS, JUSTIN MATTHEW, AU
[72] STEWART, FIONA MARGARET, AU
[71] SLIP IP HOLDINGS PTY LTD., AU
[22] 2022-07-04
[41] 2023-01-05
[30] AU (2021902041) 2021-07-05

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[13] A1
[51] **Int.Cl. B60R 3/00 (2006.01) B62D 25/22 (2006.01)**
[25] EN
[54] **VEHICLE STEP ASSEMBLY**
[54] **ASSEMBLAGE DE MARCHE DE VEHICULE**
[72] MCNEELY, JAMES NOAH, US
[71] N-FAB, INC., US
[22] 2022-07-04
[41] 2023-01-06
[30] US (63/218,637) 2021-07-06

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[13] A1
[51] **Int.Cl. H04W 84/18 (2009.01) H04B 17/00 (2015.01)**
[25] EN
[54] **COMMUNICATIONS SYSTEM RECONFIGURABLE TO DIFFERENT TOPOLOGIES AND ASSOCIATED METHODS**
[54] **SYSTEME DE COMMUNICATION RECONFIGURABLE POUR DIFFERENTES TOPOLOGIES ET METHODES CONNEXES**
[72] KENNEY, BRENT A., US
[72] THORP, BRIAN J., US
[72] REIMANN, MATTHEW J., US
[72] BENCH, JEFFREY B., US
[71] L3HARRIS TECHNOLOGIES, INC., US
[22] 2022-07-04
[41] 2023-01-07
[30] US (17/305,392) 2021-07-07

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[13] A1
[51] **Int.Cl. E04C 1/00 (2006.01) B28B 1/14 (2006.01) B28B 7/20 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **BUILDING BLOCK, SYSTEM AND METHODS**
[54] **BLOC DE CONSTRUCTION, SYSTEME ET METHODES**
[72] GRAN, JOHN J., US
[72] THIELE, DANIEL J., US
[71] STONE STRONG, LLC, US
[22] 2022-07-04
[41] 2023-01-03
[30] US (17/367354) 2021-07-03
[30] US (17/367355) 2021-07-03

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[13] A1
[51] **Int.Cl. F16L 21/06 (2006.01) F16L 33/08 (2006.01)**
[25] EN
[54] **DOUBLE BAND CLAMP ASSEMBLY FOR NO HUB COUPLING**
[54] **ASSEMBLAGE DE COLLIER DE SERRAGE DOUBLE POUR UN RACCORD SANS EMBOITEMENT**
[72] HUBER, DONALD GENE, US
[71] HUBER, DONALD GENE, US
[22] 2022-06-30
[41] 2023-01-01
[30] US (63/217,326) 2021-07-01

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[51] **Int.Cl. A47B 3/087 (2006.01)**
[25] EN
[54] **FOLD-IN-HALF TABLE HAVING PLANAR CROSS BRACE**
[54] **TABLE A PLIER EN DEUX COMPRENANT UNE TRAVERSE PLANAIRE**
[72] LIN, CHEN-KANG, CN
[71] DONGGUAN SHICHANG METALS FACTORY LTD., CN
[22] 2022-07-04
[41] 2023-01-07
[30] US (17/382,719) 2021-07-22
[30] CN (2021107705588) 2021-07-07

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[13] A1
[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **LUBRICATION SYSTEM WITH ANTI-PRIMING FEATURE**
[54] **CIRCUIT DE LUBRIFICATION COMPRENANT UNE FONCTION ANTI-AMORCAGE**
[72] GAUTHIER, FELIX, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-04
[41] 2023-01-06
[30] US (17/368,356) 2021-07-06

[21] **3,166,700**
[13] A1
[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **LUBRICATION SYSTEM FOR A TURBINE ENGINE**
[54] **CIRCUIT DE LUBRIFICATION POUR UN MOTEUR A TURBINE**
[72] GAUTHIER, FELIX, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-04
[41] 2023-01-06
[30] US (17/368,375) 2021-07-06

[21] **3,166,702**
[13] A1
[51] **Int.Cl. F04D 29/44 (2006.01) F02C 3/04 (2006.01) F04D 17/10 (2006.01)**
[25] EN
[54] **DIFFUSER PIPE WITH CURVED CROSS-SECTIONAL SHAPES**
[54] **TUYAU DE DIFFUSEUR COMPRENANT DES FORMES TRANSVERSALES COURBEES**
[72] DUONG, HIEN, CA
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-04
[41] 2023-01-07
[30] US (17/369,797) 2021-07-07

[21] **3,166,704**
[13] A1
[51] **Int.Cl. A41D 1/084 (2018.01) A41D 1/02 (2006.01) A41D 1/08 (2018.01) A41D 3/04 (2006.01) A41D 13/012 (2006.01)**
[25] EN
[54] **CYCLING SHELL WITH SAFETY POCKET FEATURES**
[54] **VESTE DE VELO COMPRENANT DES POCHES DE SECURITE**
[72] GARNEAU, LOUIS, CA
[71] LOUIS GARNEAU SPORTS INC., CA
[22] 2022-07-04
[41] 2023-01-05
[30] US (63/218,452) 2021-07-05
[30] US (63/220,757) 2021-07-12

[21] **3,166,724**
[13] A1
[51] **Int.Cl. E02B 3/14 (2006.01) E02B 3/12 (2006.01)**
[25] EN
[54] **TAPERED REVETMENT BLOCK WITH LEVELING PADS**
[54] **BLOC DE REVETEMENT EFFILE COMPRENANT DES COUSSINS DE MISE A NIVEAU**
[72] KARAU, WILLIAM HOWARD, US
[72] PRIEST, DANIEL J., US
[71] CONTECH ENGINEERED SOLUTIONS LLC, US
[22] 2022-07-04
[41] 2023-01-06
[30] US (63/218,712) 2021-07-06

[21] **3,166,729**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) F16L 55/162 (2006.01)**
[25] EN
[54] **FILTERING BYPRODUCTS OF CIPP INSTALLATION**
[54] **FILTRATION DE PRODUITS DERIVES D'INSTALLATION DE CHEMISAGE DE TUYAU CUIT EN PLACE**
[72] PIVIN, DENNIS, US
[72] SCHLAKE, KURT, US
[72] SHRUM, MICHAEL, US
[71] INA ACQUISITION CORP., US
[22] 2022-07-04
[41] 2023-01-02
[30] US (63/217821) 2021-07-02

[21] **3,166,730**
[13] A1
[51] **Int.Cl. G01N 21/88 (2006.01) G01B 11/00 (2006.01)**
[25] EN
[54] **MULTI-VIEW VISION INSPECTION SYSTEM**
[54] **SYSTEME D'INSPECTION A VISION A ANGLES MULTIPLES**
[72] LI, HUANG, CN
[72] LI, JUN, CN
[71] SPEEDBOT ROBOTICS CO., LTD., CN
[22] 2022-07-05
[41] 2023-01-05
[30] CN (202121518093.9) 2021-07-05

[21] **3,166,753**
[13] A1
[51] **Int.Cl. A23L 25/00 (2016.01) A23P 10/30 (2016.01) A23P 20/15 (2016.01) A23N 12/08 (2006.01)**
[25] EN
[54] **METHODS OF ROASTING NUTS**
[54] **METHODES DE GRILLAGE DE NOIX**
[72] BURROW, ELISABETH, CA
[71] BURROW, ELISABETH, CA
[22] 2022-07-05
[41] 2023-01-05
[30] US (63/218467) 2021-07-05

[21] **3,166,771**
[13] A1
[51] **Int.Cl. F02C 6/08 (2006.01)**
[25] EN
[54] **BLEED AIR OFFTAKE ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ASSEMBLAGE DE PRELEVEMENT D'AIR POUR UNE TURBINE A GAZ**
[72] DUROCHER, ERIC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-05
[41] 2023-01-06
[30] US (17/367,774) 2021-07-06

[21] **3,166,804**
[13] A1
[51] **Int.Cl. C10L 10/18 (2006.01)**
[25] EN
[54] **FUEL STABILIZER**
[54] **STABILISATEUR DE CARBURANT**
[72] SAROUKHANIAN, SHANT, US
[72] POLIGNONE, DONATO, US
[72] UTSCHIG-SAMUEL, STEPHEN, US
[71] HAPPYFUEL, LLC, US
[22] 2022-07-05
[41] 2023-01-06
[30] US (63/218,693) 2021-07-06
[30] US (17/856,417) 2022-07-01

[21] **3,166,842**
[13] A1
[51] **Int.Cl. C23C 24/08 (2006.01) B23P 6/00 (2006.01) C22C 19/05 (2006.01) C23C 24/04 (2006.01) F01D 5/28 (2006.01)**
[25] EN
[54] **MATERIAL DEPOSITION METHOD FOR REPAIRING AERONAUTICAL COMPONENTS**
[54] **METHODE DE DEPOT DE MATERIAU POUR LA REPARATION DE COMPOSANTS AERONAUTIQUES**
[72] MUNOZ ARROYO, RAUL, ES
[72] GOMEZ SANCHEZ, ISAAC, ES
[72] GUTIERREZ LOPEZ, ALBERTO, ES
[72] GAYUBO NIETO, JORGE, ES
[72] GARCIA CANO, IRENE, ES
[72] DOSTA PARRAS, SERGI, ES
[71] INDUSTRIA DE TURBO PROPULSORES, S.A.U., ES
[22] 2022-07-06
[41] 2023-01-07
[30] EP (EP 21382613.4) 2021-07-07

[21] **3,166,854**
[13] A1
[51] **Int.Cl. B29C 59/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRODUCING PRESSWARE**
[54] **METHODES ET SYSTEMES POUR PRODUIRE DES PRODUITS PRESSES**
[72] CHUN, VICTOR, US
[72] BROWN, STEFFEN, US
[72] EICHBAUER, PHILIP, US
[71] BROWN LLC, US
[22] 2022-07-06
[41] 2023-01-07
[30] US (17/369,406) 2021-07-07
[30] US (17/369,365) 2021-07-07
[30] US (17/369,380) 2021-07-07
[30] US (17/369,348) 2021-07-07

[21] **3,166,871**
[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A23K 10/16 (2016.01) C12N 1/20 (2006.01) C12P 1/04 (2006.01)**
[25] EN
[54] **MICROBIAL BIOMASS-BASED FEED PRODUCTS**
[54] **PRODUITS ALIMENTAIRES A BASE DE BIOMASSE MICROBIENNE**
[72] SEFTON, BRIAN A., US
[72] COLEMAN, WILLIAM J., US
[71] OAKBIO INC., US
[22] 2022-07-05
[41] 2023-01-06
[30] US (17/368,601) 2021-07-06

[21] **3,166,872**
[13] A1
[25] EN
[54] **DEVICE AND PROCESS FOR CONTINUOUS OHMIC HEATING OF FOODSTUFFS**
[54] **DISPOSITIF ET PROCEDE POUR LE CHAUFFAGE OHMIQUE DE PRODUITS ALIMENTAIRES**
[72] STUTE, MARTIN, DE
[72] HEINZ, VOLKER, DE
[71] DEUTSCHES INSTITUT FUR LEBENSMITTELTECHNIK E.V., DE
[22] 2022-07-06
[41] 2023-01-07
[30] DE (102021207153.8) 2021-07-07

[21] **3,166,927**
[13] A1
[51] **Int.Cl. B60R 9/08 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **A GOLF BAG MOUNTING SYSTEM FOR A STANDUP MOTORIZED TRANSPORT UTILITY VEHICLE**
[54] **SYSTEME DE MONTAGE DE SAC DE GOLF POUR UN VEHICULE UTILITAIRE DE TRANSPORT MOTORISE DEBOUT**
[72] BONK, ALLEN WILLIAM, CA
[72] BONK, BRADLEY JAMES, CA
[71] LYTEHORSE LABS, INC., CA
[22] 2022-07-06
[41] 2023-01-07
[30] US (63/218946) 2021-07-07

[21] **3,167,032**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/11 (2016.01) A61M 39/02 (2006.01)**
[25] EN
[54] **FLEXIBLE INSTRUMENT DELIVERY DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION D'INSTRUMENT SOUPLE**
[72] MARK, JOSEPH L., US
[72] DOUGHERTY, BRIAN C., US
[72] JARIAL, INDER, US
[72] MAHN, ETHAN ELIJAH, US
[71] NICO CORPORATION, US
[22] 2022-07-07
[41] 2023-01-07
[30] US (63/219,085) 2021-07-07

[21] **3,167,064**
[13] A1
[51] **Int.Cl. A47G 29/02 (2006.01) A47F 5/08 (2006.01)**
[25] EN
[54] **MOUNTING ASSEMBLY HANGABLE FROM A WALL PANEL ASSEMBLY**
[54] **ASSEMBLAGE DE MONTAGE POUVANT ETRE SUSPENDU SUR UN ASSEMBLAGE DE PANNEAU MURAL**
[72] PRIZZI, GIUSEPPE, CA
[72] VENAFRO, MARCELLO, CA
[71] 2840629 ONTARIO INC., CA
[22] 2022-07-07
[41] 2023-01-07
[30] US (63/219,208) 2021-07-07

[21] **3,174,961**
[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61F 5/56 (2006.01) A61M 16/00 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **ORO-PILLOW CUSHION ASSEMBLY**
[54] **ASSEMBLAGE DE COUSSIN ORO-PILLOW**
[72] LEE, DENG SIONG, SG
[72] YEW, ROBIN, SG
[72] CHEW, HAN SEONG, SG
[72] CHUAH, TEONG HONG, SG
[72] HALIM, MUHAMMAD ADIL BIN ABDUL, SG
[72] DAY, SHANNON, AU
[72] PARKER, CHRISTOPHER DANIEL, AU
[72] MANJUNATH, VINAY, AU
[72] GREIG, NIGEL PAUL, AU
[72] WOFFENDEN, ALBERT JACK GREENWOOD, AU
[72] LEE, CHUAN FOONG, SG
[72] GILLETT, ANDREW WILLIAM, AU
[71] RESMED PTY LTD, AU
[22] 2022-09-15
[41] 2023-01-03
[30] US (17/550,168) 2021-12-14

[21] **3,177,976**
[13] A1
[51] **Int.Cl. A47D 5/00 (2006.01) A61L 2/10 (2006.01) B65H 75/48 (2006.01)**
[25] EN
[54] **STRAP-RETRACTION SLOWING MECHANISM AND DIAPER-CHANGING TABLE INCORPORATING SAME**
[54] **MECANISME DE RALENTISSEMENT DE RETRACTION DE COURROIE ET TABLE DE CHANGEMENT DE COUCHES INTEGRANT LE MECANISME**
[72] GUNDRY, ADIA, US
[72] HIZER, BRITTANY, US
[72] PARROTT, DAVID, US
[72] LEWIS, RYAN, US
[71] PLUIE, INC., US
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[54] **NOVEL ELECTRIC HEATING COVERING DEVICE**
[54] **NOUVEAU DISPOSITIF DE COUVERTURE CHAUFFANTE ELECTRIQUE**
[72] LUO, TIANMING, CN
[72] QI, MINGWEN, CN
[72] XIA, YIBING, CN
[72] DENG, GENKUN, CN
[71] ZHEJIANG SHUOQI HOME TEXTILES CO., LTD., CN
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[25] EN
[54] **METHOD FOR DETERMINING A CRYPTOGRAPHIC KEY, COMPUTER PROGRAM, AND DATA PROCESSING SYSTEM**
[54] **METHODE POUR DETERMINER D'UNE CLE CRYPTOGRAPHIQUE, PROGRAMME INFORMATIQUE ET SYSTEME DE TRAITEMENT DES DONNEES**
[72] VOLOSHINOV, VLADIMIR, CH
[72] LESOVIK, GORDEY, CH
[72] PAKHOMCHIK, ALEKSEY, CH
[71] TERRA QUANTUM AG, CH
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[54] **CPU HEAT DISSIPATION APPARTUS OF INDUSTRIAL CONTROL COMPUTER AND USING METHOD THEREOF**
[54] **APPAREIL DE DISSIPATION THERMIQUE DE CPU D'ORDINATEUR PILOTE INDUSTRIEL ET METHODE D'UTILISATION**
[72] HUANG, YONGZHENG, CN
[71] ADVANTECH TECHNOLOGY (CHINA) CO., LTD., CN
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[54] **SYSTEM AND METHOD FOR FLEXIBLE SOLAR TRACKER AND TESTING**
[54] **SYSTEME ET METHODE DE MIROIR-FACETTE SOLAIRE SOUPLE ET D'ESSAI**
[72] NEEDHAM, CHRISTOPHER, US
[72] OUDHEUSDEN, FRANK, US
[71] FCX SOLAR LLC, US
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[54] **A NEW TYPE OF DUMP TRUCK**
[54] **NOUVEAU TYPE DE CAMION A BENNE**
[72] LIU, ZHIJUN, CN
[71] QINGDAO HUATIAN HAND TRUCK CO., LTD., CN
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[25] EN
[54] **A PROCESS AND APPARATUS FOR PREPARING A PURIFIED STYRENE COMPOSITION FROM STYRENE CONTAINING FEEDSTOCK**
[54] **PROCEDE ET APPAREIL DE PREPARATION D'UNE COMPOSITION DE STYRENE PURIFIE A PARTIR D'UNE MATIERE PREMIERE CONTENANT DU STYRENE**
[72] KHANDELWAL, RAHUL, US
[72] GENTRY, JOSEPH C., US
[72] WYTCHERLEY, RANDI, US
[72] ANDERSON, KIMBERLY, US
[72] NAULITA-ELLIS, META, US
[72] PUDACK, CLAUDIA, CH
[72] RIOUAL, CELINE, FR
[72] KIRSCHNER, CHRISTOPH, CH
[72] SLIMP, B. BRYANT, US
[72] STEPANSKI, MANFRED, CH
[72] TEMMEL, ERIK, CH
[71] SULZER MANAGEMENT AG, CH
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[54] **DEGRADATEURS DU RECEPTEUR DU FACTEUR DE CROISSANCE EPIDERMIQUE (EGFR) POUR TRAITER LE CANCER METASTASE DANS LE CERVEAU OU LE SYSTEME NERVEUX CENTRAL**
[72] NASVESCHUCK, CHRISTOPHER G., US
[72] DUPLESSIS, MARTIN, US
[72] AHN, JAE YOUNG, US
[72] HIRD, ALEXANDER W., US
[72] MICHAEL, RYAN E., US
[72] LAZARSKI, KIEL, US
[72] LIANG, YANKE, US
[72] JAESCHKE, GEORG, CH
[72] RICCI, ANTONIO, CH
[72] GEORGLER, ANNICK, CH
[72] RUEHER, DANIEL, CH
[71] C4 THERAPEUTICS, INC., US
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[25] EN
[54] **METHOD AND DEVICE FOR DETECTING DEFECTS IN THE SURFACE OF CURVED ARTICLES**
[54] **METHODE ET APPAREIL POUR DETECTER LES DEFECTUOSITES DANS LA SURFACE DE BIENS INCURVES**
[72] JACOBSEN, ULF, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
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[54] **METHOD FOR STORING A BIOGAS IN A TANK AND ASSOCIATED SYSTEM**
[54] **PROCEDE DE STOCKAGE D'UN BIOGAZ DANS UN RESERVOIR ET SYSTEME ASSOCIE**
[72] RIVERA TINOCO, RODRIGO ARTURO, FR
[72] NEMER, MAROUN, FR
[71] ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS (ARMINES), FR
[71] ECOLE NATIONALE SUPERIEURE DES MINES DE PARIS, FR
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[54] **TUNNEL BORING MACHINE**
[54] **TUNNELIER**
[72] BURGER, WERNER, DE
[72] WEHRMEYER, GERHARD, DE
[71] HERRENKNECHT AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **RECHARGEABLE ELECTRICAL STORAGE DEVICES**
[54] **DISPOSITIFS DE STOCKAGE ELECTRIQUES RECHARGEABLES**
[72] HUMAN, JAN PETRUS, ZA
[71] LUKATIT INVESTMENTS 12 (PTY) LTD, ZA
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[54] **IMAGE AND VIDEO BANDING ASSESSMENT**
[54] **EVALUATION DE BANDES VIDEO ET D'IMAGES**
[72] WANG, ZHOU, CA
[72] YEGANEH, HOJATOLLAH, CA
[72] BADR, AHMED, CA
[72] ZENG, KAI, CA
[71] SSIMWAVE INC., CA
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[54] **PRODUCTION OF GERANYL DIPHOSPHATE-DERIVED COMPOUNDS**
[54] **PRODUCTION DE COMPOSES DERIVES DU GERANYL DIPHOSPHATE**
[72] KAMPRANIS, SOTIRIOS, DK
[72] DUSSEAUX, SIMON, DK
[72] IGNEA, CODRUTA, CA
[72] WAJN, WILLIAM THOMAS, DK
[71] KOBENHAVNS UNIVERSITET, DK
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[54] **COMPOSITIONS AND METHODS FOR MODULATING INFLAMMATORY RESPONSE**
[54] **COMPOSITIONS ET PROCEDES DE MODULATION D'UNE REPONSE INFLAMMATOIRE**
[72] STAMETS, PAUL EDWARD, US
[71] TURTLE BEAR HOLDINGS, LLC, US
[71] STAMETS, PAUL EDWARD, US
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[86] 2021-04-02 (PCT/US2021/025564)
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[54] **METHOD AND SYSTEM FOR IDENTIFYING THE LOCATION OF AN OBSTRUCTION IN A PIPELINE**
[54] **PROCEDE ET SYSTEME POUR L'IDENTIFICATION DE L'EMPLACEMENT D'UNE OBSTRUCTION DANS UN PIPELINE**
[72] MCDONNELL, SHAMUS, CA
[71] PUREHM INC., CA
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[54] **PREVENTION AND TREATMENT OF ORGAN INJURIES**
[54] **PREVENTION ET TRAITEMENT DE LESIONS D'ORGANE**
[72] MAK, CHING-PONG, CN
[72] MA, FASHU, CN
[72] XIAO, DONG, CN
[72] PEEL, MICHAEL, CN
[72] FLIRI, HANS, CN
[71] FARSIGHT MEDICAL TECHNOLOGY (SHANGHAI) CO., LTD., CN
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD6 ANTIBODY COMPOSITIONS AND METHODS FOR TREATING AND REDUCING NEGATIVE EFFECTS OF A CORONAVIRUS INCLUDING COVID-19**
[54] **COMPOSITIONS D'ANTICORPS ANTI-CD6 ET METHODES DE TRAITEMENT ET DE REDUCTION DES EFFETS NEGATIFS D'UN CORONAVIRUS NOTAMMENT DE LA COVID-19**
[72] NAIR, PRADIP, IN
[72] CASIMIRO, JOSE ENRIQUE MONTERO, US
[72] MAZUMDAR SHAW, KIRAN, IN
[72] BUGHANI, USHA, IN
[72] ATHALYE, SANDEEP NILKANTH, IN
[72] RAMAKRISHNAN, MELARKODE SUBBARAMAN, IN
[72] CROMBET RAMOS, TANIA, CU
[72] LEON MONZON, KALET, CU
[72] RAMOS SUZARTE, MAYRA, CU
[71] BIOCON LIMITED, IN
[71] CENTRO DE INMUNOLOGIA MOLECULAR, CU
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[54] **METHOD OF MODIFYING A MOTORIZED VEHICLE FOR WHEELCHAIR ACCESSIBILITY AND SYSTEM THEREOF**
[54] **PROCEDE DE MODIFICATION D'UN VEHICULE MOTORISE POUR L'ACCESSIBILITE D'UN FAUTEUIL ROULANT ET SYSTEME ASSOCIE**
[72] WEGNER, CHRISTOPHER C., US
[72] LAIRD, MICHAEL, US
[71] THE BRAUN CORPORATION, US
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[25] EN
[54] **ORGANIC PEROXIDE FORMULATIONS FOR MODIFICATION OF BIO-BASED AND BIODEGRADABLE POLYMERS**
[54] **FORMULATIONS DE PEROXYDE ORGANIQUE POUR LA MODIFICATION DE POLYMERES BIOSOURCES ET BIODEGRADABLES**
[72] PALYS, LEONARD H., US
[72] DLUZNESKI, PETER R., US
[72] ABRAMS, MICHAEL B., US
[72] DESPOTOPOULOU, MARINA, US
[72] PAVLEK, WILLIAM P., US
[71] ARKEMA, INC., US
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[25] EN
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[54] **PAROI LATERALE INCLINEE POUR FOUR**
[72] FERGUSON, SCOTT A., US
[71] SYSTEMS SPRAY-COOLED, INC., US
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[54] **METHODS AND SYSTEMS FOR COMPRESSED ENCRYPTION**
[54] **PROCEDES ET SYSTEMES DE CHIFFREMENT COMPRESSE**
[72] PREST, THOMAS, GB
[72] KATSUMATA, SHUICHI, GB
[72] KWIATKOWSKI, KRIS, GB
[71] PQSHIELD LTD, GB
[85] 2022-10-04
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[25] EN
[54] **COMPOSITE ARTICLE COMPRISING AEROGEL PARTICLES AND CERAMIC FIBERS**
[54] **ARTICLE COMPOSITE COMPRENANT DES PARTICULES D'AEROGEL ET DES FIBRES DE CERAMIQUE**
[72] SOMBERG, PATRIC, DE
[72] HOLUB, PAVEL, DE
[72] MOLLER, STEPHAN, DE
[72] ZHENG, ZHICHENG, DE
[71] ARMACELL ENTERPRISE GMBH & CO. KG, DE
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[54] **PYRAZOLO[1,5-D][1,2,4]TRIAZINE-5(4H)-ACETAMIDES AS INHIBITORS OF THE NLRP3 INFLAMMASOME PATHWAY**
[54] **PYRAZOLO[1,5-D][1,2,4]TRIAZINE-5(4H)-ACETAMIDES UTILISES COMME INHIBITEURS DE LA VOIE DE L'INFLAMMASOME NLRP3**
[72] OEHLRICH, DANIEL, BE
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] VAN OPDENBOSCH, NINA, BE
[72] LAMKANFI, MOHAMED, BE
[72] LLAVERIA CROS, JOSEP, ES
[72] MARTINEZ VITURRO, CARLOS MANUEL, ES
[72] VAN ROMPAEY, DRIES, BE
[71] JANSSEN PHARMACEUTICA NV, BE
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[51] **Int.Cl. C07D 209/82 (2006.01) C07D 401/04 (2006.01) C07D 471/04 (2006.01) C07D 491/113 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **KINASE INHIBITORS**
[54] **INHIBITEURS DE KINASE**
[72] COBURN, CRAIG ALAN, US
[72] KUMAR, DANGE VIJAY, US
[72] LOPEZ, LUIS ANTONIO, US
[72] BUZARD, DANIEL JOHN, US
[71] GB005, INC., US
[85] 2022-10-05
[86] 2021-04-08 (PCT/US2021/026475)
[87] (WO2021/207549)
[30] US (63/008,531) 2020-04-10
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[13] A1
[51] **Int.Cl. B23B 51/02 (2006.01)**
[25] EN
[54] **ROTATABLE CUTTING HEAD HAVING TORQUE TRANSMISSION SURFACES ON A MOUNTING PROTUBERANCE AND ROTARY CUTTING TOOL**
[54] **TETE DE COUPE ROTATIVE AYANT DES SURFACES DE TRANSMISSION DE COUPLE SUR UNE PROTUBERANCE DE MONTAGE ET OUTIL DE COUPE ROTATIF**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2022-10-05
[86] 2021-04-25 (PCT/IL2021/050468)
[87] (WO2021/234684)
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[13] A1
[51] **Int.Cl. B28B 7/30 (2006.01) B28B 21/88 (2006.01) E04G 15/06 (2006.01)**
[25] EN
[54] **MOLD CORE FOR A MOLD FOR THE PRODUCTION OF HOLLOW CONCRETE BODIES AND A MOLDING APPARATUS HAVING SUCH A MOLD CORE**
[54] **NOYAU DE MOULE POUR UN MOULE UTILE POUR LA FABRICATION DE CORPS EN BETON CREUX, ET DISPOSITIF DE MOULAGE COMPORTANT UN TEL NOYAU DE MOULE**
[72] SCHLUSSELBAUER, JOHANN, AT
[72] SCHLUSSELBAUER, ULRICH, AT
[71] SCHLUSSELBAUER, JOHANN, AT
[71] SCHLUSSELBAUER, ULRICH, AT
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[51] **Int.Cl. G06F 11/36 (2006.01)**
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[54] **APPLICATION TOPOLOGY DISCOVERY**
[54] **DECOUVERTE DE TOPOLOGIE D'APPLICATION**
[72] PARTHASARATHY, SRINIVASAN, US
[72] HWANG, JINHO, US
[72] WANG, QING, US
[72] SHWARTZ, LARISA, US
[72] NIDD, MICHAEL, CH
[72] BAGEHORN, FRANK, CH
[72] KRCHAK, JAKUB, CZ
[72] ORUMBAYEV, ALTYNBEK, CZ
[72] MYLEK, MICHAL, CZ
[72] SANDR, OTA, CZ
[72] ONDREJ, TOMAS, CZ
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[51] **Int.Cl. G09B 9/00 (2006.01) A61B 34/10 (2016.01) G09B 19/00 (2006.01) G09B 23/28 (2006.01)**
[25] EN
[54] **SURGICAL SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION CHIRURGICALE**
[72] MIGNAN, NICOLAS, FR
[72] REVERSAT, DAVID, FR
[71] VIRTUALISURG, FR
[85] 2022-10-05
[86] 2021-04-09 (PCT/FR2021/050633)
[87] (WO2021/205131)
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[13] A1
[51] **Int.Cl. C07D 417/06 (2006.01)**
[25] EN
[54] **NEW IMIDAZOLONE DERIVATIVES AS INHIBITORS OF PROTEIN KINASES IN PARTICULAR DYRK1A, CLK1 AND/OR CLK4**
[54] **NOUVEAUX DERIVES D'IMIDAZOLONE EN TANT QU'INHIBITEURS DE PROTEINE KINASES, EN PARTICULIER DYRK1A, CLK1 ET/OU CLK4**
[72] DEAU, EMMANUEL, FR
[72] GEORGE, PASCAL, FR
[72] MEIJER, LAURENT, FR
[72] MIEGE, FREDERIC, FR
[71] PERHA PHARMACEUTICALS, FR
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[54] **SUBSTITUTED PYRIDINES FOR THE TREATMENT OF INFLAMMATORY DISEASES**
[54] **PYRIDINES SUBSTITUEES POUR LE TRAITEMENT DE MALADIES INFLAMMATOIRES**
[72] COBURN, CRAIG ALAN, US
[72] VAN HUIS, CHAD ALAN, US
[72] AICHER, THOMAS DANIEL, US
[71] GOSSAMER BIO SERVICES, INC., US
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[54] **METHOD, EQUATION, DESIGN, AND CONSTRUCT TO PROVIDE UNIFORM HEATING FOR SHAPED HEATERS WITH IMPROVED BUSBAR DESIGNS**
[54] **PROCEDE, EQUATION, CONCEPTION ET CONSTRUCTION POUR FOURNIR UN CHAUFFAGE UNIFORME POUR DES DISPOSITIFS DE CHAUFFAGE FACONNES AYANT DES CONCEPTIONS DE BARRE OMNIBUS AMELIOREES**
[72] PARKER, ROBERT, US
[71] VISION DFIND INC., CA
[85] 2022-10-05
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[54] **PROCEDE DE POSITIONNEMENT D'UNE PREMIERE PLAQUE METALLIQUE ET D'UNE SECONDE PLAQUE METALLIQUE DANS UNE POSITION DE SOUDAGE PAR FAISCEAU LASER**
[72] MARTENS, RONNY, BE
[71] BORIT N.V., BE
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[54] **CAP FOR MALE AND FEMALE THREADED FITTINGS**
[54] **CAPUCHON POUR RACCORDS FILETES MALES ET FEMELLES**
[72] HARANDI, AMIR, US
[72] JIANG, CHANG, US
[72] MARICI, PAUL P., US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **DETECTEUR GAMMA DIRECTIONNEL**
[72] SOLURI, ALESSANDRO, IT
[72] MASSARI, ROBERTO, IT
[71] CONSIGLIO NAZIONALE DELLE RICERCHE, IT
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[54] **METHODS AND MEANS FOR MODIFYING HEMODYNAMICS IN INFECTIONS**
[54] **PROCEDES ET MOYENS POUR MODIFIER L'HEMODYNAMIQUE DANS DES INFECTIONS**
[72] WENSVOORT, GERT, NL
[72] CLAASSEN, ERIC, NL
[72] RENES, JOHAN, NL
[71] BIOTEMPT B.V., NL
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[25] EN
[54] **USER ACTIVITY-RELATED MONITORING SYSTEM AND METHOD, AND A USER ACCESS AUTHORIZATION SYSTEM AND METHOD EMPLOYING SAME**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE LIEE A L'ACTIVITE D'UN UTILISATEUR, ET SYSTEME ET PROCEDE D'AUTORISATION D'ACCES UTILISATEUR LES UTILISANT**
[72] MACLEAN, STUART KEITH, CA
[72] RANJAN, ABHISHEK, CA
[71] NYMI INC., CA
[85] 2022-10-05
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[54] **CONDITIONAL PROCEDURE OPERATIONS**
[54] **OPERATIONS DE PROCEDURE CONDITIONNELLE**
[72] WU, CHIH-HSIANG, US
[72] HSIEH, JING, US
[71] GOOGLE LLC, US
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[86] 2021-03-01 (PCT/US2021/020266)
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[54] **PRODRUGS OF MONOMETHYL FUMARATE**
[54] **PROMEDICAMENTS A BASE DE MONOMETHYLFUMARATE**
[72] DUGAR, SUNDEEP, US
[71] IXCHEL PHARMA, LLC, US
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[54] **COMPOSITIONS AND METHODS FOR TREATING CYTOKINE STORMS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE TRAITER DES TEMPETES DE CYTOKINE**
[72] TOBIA, ANNETTE M., US
[71] TOBIA, ANNETTE M., US
[85] 2022-10-19
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[54] **MULTI-RESONANT COUPLING ARCHITECTURES FOR ZZ INTERACTION REDUCTION**
[54] **ARCHITECTURES DE COUPLAGE MULTI-RESONANTES POUR REDUCTION D'INTERACTION ZZ**
[72] MCKAY, DAVID, US
[72] KANDALA, ABHINAV, US
[72] SRINIVASAN, SRIKANTH, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[54] **DISPOSITIF A CHANGEMENTS DE PHASES**
[72] LI, NING, US
[72] SADANA, DEVENDRA K., US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[54] **CAPSULE HPMC A RETENTION REDUITE DE POUDRE**
[72] STAKA, IVANA, FR
[72] CAPE, JONATHAN, US
[72] PALANGETIC, LJILJANA, FR
[72] VANQUICKENBORNE, STEFAAN, BE
[71] CAPSUGEL BELGIUM NV, BE
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[54] **GESTION DE SYSTEME BASEE SUR LA PERFORMANCE D'ENERGIE**
[72] LIU, YANG, CN
[72] XU, YUE, CN
[72] GOU, PENG FEI, CN
[72] LI, MENG, CN
[72] ZHAO, XING, CN
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[54] **METHOD AND APPARATUS FOR SEPARATING GAS FROM LIQUID**
[54] **PROCEDE ET APPAREIL POUR SEPARER UN GAZ D'UN LIQUIDE**
[72] FISHER, MICHAEL EDMUND, US
[72] CARRINGER, BRANDON EDWARD, US
[71] DRYLINE TECHNOLOGIES, US
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[25] EN
[54] **METHOD AND ARRANGEMENT FOR MONITORING BUILDING FOUNDATIONS**
[54] **PROCEDE ET AGENCEMENT PERMETTANT DE SURVEILLER DES FONDATIONS DE BATIMENT**
[72] HADDAD, FADI, DE
[72] NGUYEN, LUAN, DE
[71] BAUER SPEZIALTIEFBAU GMBH, DE
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[25] EN
[54] **TECHNIQUES FOR IMPROVING THE POWER EFFICIENCY OF A PLAYBACK DEVICE**
[54] **TECHNIQUES POUR AMELIORER L'EFFICACITE ENERGETIQUE D'UN DISPOSITIF DE LECTURE**
[72] SOUZA, CHADWICK JAMES, US
[72] RAMOS, AURELIO RAFAEL, US
[71] SONOS, INC., US
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[54] **LAYERED HYBRID QUANTUM ARCHITECTURE FOR QUANTUM COMPUTING APPLICATIONS**
[54] **ARCHITECTURE QUANTIQUE HYBRIDE STRATIFIEE POUR APPLICATIONS DE CALCUL QUANTIQUE**
[72] GUMANN, PATRYK, US
[72] CROSS, ANDREW, US
[72] HART, SEAN, US
[72] GAMBETTA, JAY, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[25] EN
[54] **TUNABLE QUANTUM COUPLER FACILITATING A QUANTUM GATE BETWEEN QUBITS**
[54] **COUPLEUR QUANTIQUE ACCORDABLE FACILITANT UNE PORTE QUANTIQUE ENTRE DES BITS QUANTIQUES**
[72] STEHLIK, JIRI, US
[72] UNDERWOOD, DEVIN, US
[72] ZAJAC, DAVID, US
[72] STEFFEN, MATTHIAS, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[86] 2021-06-15 (PCT/EP2021/066155)
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[51] **Int.Cl. A62B 35/00 (2006.01)**
[25] FR
[54] **FALL ARREST AND LOAD DISTRIBUTION HARNESS AND A METHOD FOR MANUFACTURING SAID HARNESS**
[54] **HARNAIS ANTI-CHUTES ET REPARTITEUR D'EFFORTS ET UN PROCEDE DE FABRICATION DUDIT HARNAIS**
[72] TURGEON, MAXIME, FR
[71] BLUE ICE EUROPE, FR
[85] 2022-10-19
[86] 2021-04-19 (PCT/FR2021/050684)
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[54] **OLIGONUCLEOTIDES FOR MSH3 MODULATION**
[54] **OLIGONUCLEOTIDES POUR LA MODULATION DE MSH3**
[72] KHVOROVA, ANASTASIA, US
[72] FERGUSON, CHANTAL, US
[71] UNIVERSITY OF MASSACHUSETTS, US
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[25] EN
[54] **METHODS FOR TREATING MYELIN ASSOCIATED DISEASES AND MITOCHONDRIA ASSOCIATED DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES ASSOCIEES A LA MYELINE ET DE MALADIES ASSOCIEES AUX MITOCHONDRIES**
[72] BETTOUN, JOAN DAVID, US
[71] LARIMAR THERAPEUTICS, INC., US
[85] 2022-10-19
[86] 2021-04-30 (PCT/US2021/030348)
[87] (WO2021/222865)
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[54] **CORNER SEGMENT HAVING PROTRUSIONS ON WEAR ZONES**
[54] **SEGMENT D'ANGLE PRESENTANT DES SAILLIES SUR DES ZONES D'USURE**
[72] CONGDON, THOMAS M., US
[72] BJERKE, NATHAN, US
[71] CATERPILLAR INC., US
[85] 2022-10-19
[86] 2021-03-15 (PCT/US2021/022289)
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[30] US (16/861,664) 2020-04-29

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[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] FR
[54] **METHOD FOR SECURELY COMPUTING A LOGICAL AND BETWEEN TWO BITS USING QUANTUM COMMUNICATION**
[54] **PROCEDE DE CALCUL D'UN ET LOGIQUE ENTRE DEUX BITS DE MANIERE SECURISEE PAR L'UTILISATION DE LA COMMUNICATION QUANTIQUE**
[72] KAPLAN, MARC, FR
[71] VERIQLOUD, FR
[85] 2022-10-19
[86] 2021-04-15 (PCT/FR2021/050662)
[87] (WO2021/219947)
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[51] **Int.Cl. A23J 3/14 (2006.01) A23L 33/12 (2016.01)**
[25] EN
[54] **ANIMAL FAT MIMIC FROM PLANT SOURCE**
[54] **SUBSTANCE MIMETIQUE DE MATIERE GRASSE ANIMALE A PARTIR D'UNE SOURCE VEGETALE**
[72] GRIFFIN, WESLEY B., US
[72] HERMES, TASHA, US
[72] STEEPLES, SUMMER, US
[72] PEMBLE, TRENT, US
[71] CARGILL, INCORPORATED, US
[85] 2022-10-19
[86] 2021-04-21 (PCT/US2021/028334)
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[25] FR
[54] **ROTARY FILTER AND ASSOCIATED FILTERING METHOD**
[54] **FILTRE ROTATIF ET PROCEDE DE FILTRATION ASSOCIE**
[72] ILLOUZ, SIMON, FR
[72] DAGALLIER, ADRIEN, FR
[72] GALLAIS, ROMAIN, FR
[71] GAUDFRIN, FR
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[54] **CRYSTALLINE FORMS OF PHTHALAZINONE COMPOUND**
[54] **FORMES CRISTALLINES DE COMPOSE PHTHACAZ1NONF**
[72] LEE, KUNHEE, KR
[72] LEE, SEOKTAEK, KR
[72] RYU, KEUNCHEOL, KR
[72] SEO, HANNA, KR
[72] YANG, HYERAN, KR
[72] SEONG, WONJE, KR
[72] YOON, JINYOUNG, KR
[71] IDIENCE CO., LTD., KR
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[25] EN
[54] **METHODS AND NODES FOR EFFICIENT MAC CE DESIGN FOR INDICATING MAPPING BETWEEN PATHLOSS REFERENCE AND MULTIPLE SRI**
[54] **PROCEDES ET N?UDS POUR UNE CONCEPTION EFFICACE DE CE MAC POUR INDIQUER UN MAPPAGE ENTRE UNE REFERENCE DE PERTE DE TRAJET ET DE MULTIPLES SRI**
[72] MAATTANEN, HELKA-LIINA, FI
[72] FOLKE, MATS, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-10-19
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[30] US (63/014,470) 2020-04-23

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[51] **Int.Cl. H04N 21/647 (2011.01) H04N 21/637 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **METHOD AND SERVER FOR AUDIO AND/OR VIDEO CONTENT DELIVERY**
[54] **PROCEDE ET SERVEUR DE DISTRIBUTION DE CONTENU AUDIO ET/OU VIDEO**
[72] BICHOT, GUILLAUME, FR
[72] GUERY, PIERRE-JEAN, FR
[72] RICHARD, VINCENT, FR
[72] LE SCOUARNEC, NICOLAS, FR
[71] BROADPEAK, FR
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[51] **Int.Cl. G01N 24/08 (2006.01) G01R 33/46 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ACQUIRING MAGNETIC RESONANCE DATA FROM A SAMPLE**
[54] **PROCEDES ET SYSTEMES D'ACQUISITION DE DONNEES DE RESONANCE MAGNETIQUE A PARTIR D'UN ECHANTILLON**
[72] LESKOWITZ, GARETT M., CA
[71] NANALYSIS CORP., CA
[85] 2022-10-19
[86] 2021-04-27 (PCT/CA2021/050577)
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[30] US (63/016,264) 2020-04-27

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[51] **Int.Cl. A61K 31/485 (2006.01) A61K 31/49 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING AGITATION ASSOCIATED WITH ALZHEIMER'S DISEASE**
[54] **PROCEDES DE TRAITEMENT DE L'AGITATION ASSOCIEE A LA MALADIE D'ALZHEIMER**
[72] DUBE, SANJAY, US
[71] AVANIR PHARMACEUTICALS INC., US
[85] 2022-10-19
[86] 2021-04-26 (PCT/US2021/029246)
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[30] US (63/016,270) 2020-04-27

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[51] **Int.Cl. C07D 213/76 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **SYNTHESIS OF HETEROCYCLIC COMPOUNDS**
[54] **SYNTHESE DE COMPOSES HETEROCYCLIQUES**
[72] LIN, JACK, US
[72] WALTERS, JASON, US
[71] PLEXXIKON INC., US
[85] 2022-10-19
[86] 2021-04-28 (PCT/US2021/029699)
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[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01) B21D 39/04 (2006.01) F28D 15/04 (2006.01)**
[25] EN
[54] **INTERNAL HYDROFORMING METHOD FOR MANUFACTURING HEAT PIPE WICKS UTILIZING A HOLLOW MANDREL AND SHEATH**
[54] **PROCEDE D'HYDROFORMAGE INTERNE POUR LA FABRICATION DE MECHES DE CALODUC UTILISANT UN MANDRIN CREUX ET GAINE**
[72] LOJEK, JOHN, US
[72] SWARTZ, MATTHEW M., US
[72] BYERS, WILLIAM A., US
[72] KUSTRA, GREGORY A., US
[72] GROSS, DAVID M., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-10-19
[86] 2021-04-19 (PCT/US2021/027959)
[87] (WO2021/216446)
[30] US (63/012,725) 2020-04-20

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[13] A1
[51] **Int.Cl. F16J 15/34 (2006.01)**
[25] EN
[54] **EXTERNALLY ENERGIZED SECONDARY SEALS IN SPLIT MECHANICAL SEALS**
[54] **JOINTS SECONDAIRES A EXCITATION EXTERNE DANS DES JOINTS MECANIQUES DIVISES**
[72] AZIBERT, HENRI VINCENT, US
[72] POWERS, ROBERT JAMES, US
[71] A.W. CHESTERTON COMPANY, US
[85] 2022-10-20
[86] 2021-06-04 (PCT/US2021/035906)
[87] (WO2021/248000)
[30] US (63/035,504) 2020-06-05

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[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01)**
[25] EN
[54] **PEPTIDE PLATINUM COMPLEXES AND METHODS OF USE THEREOF**
[54] **COMPLEXES PEPTIDIQUE DE PLATINE ET PROCEDES D'UTILISATION ASSOCIES**
[72] DIPAOLA, MARIO, US
[72] DZIEWISZEK, KRZYSZTOF, US
[71] ONCOVOLUTION, LLC, US
[85] 2022-10-20
[86] 2021-04-22 (PCT/US2021/028613)
[87] (WO2021/216849)
[30] US (63/013,832) 2020-04-22

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[13] A1
[51] **Int.Cl. C03B 5/235 (2006.01) C03B 5/42 (2006.01) C03B 5/43 (2006.01)**
[25] FR
[54] **HIGHLY ENERGY-EFFICIENT FURNACE**
[54] **FOUR A FORT RENDEMENT ENERGETIQUE**
[72] DUPEUX, GUILLAUME, FR
[72] VISPO, ANTONY, FR
[72] MARTIN, ALEXANDRE, FR
[72] CHESNEL, SEBASTIEN, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2022-10-20
[86] 2021-04-26 (PCT/FR2021/050720)
[87] (WO2021/219952)
[30] FR (FR2004299) 2020-04-30

[21] **3,176,286**
[13] A1
[51] **Int.Cl. A21D 13/28 (2017.01) A21D 13/80 (2017.01) A23G 9/48 (2006.01) A23G 9/50 (2006.01)**
[25] EN
[54] **COATING MADE OF COOKIE DOUGH, PRODUCTION OF A COATING MADE OF COOKIE DOUGH, CONFECTIONARY COATED WITH COOKIE DOUGH, AND PROCESS OF MAKING CONFECTIONARY COATED WITH COOKIE DOUGH**
[54] **ENROBAGE EN PATE A BISCUIT, PRODUCTION D'UN ENROBAGE EN PATE A BISCUIT, CONFISERIE ENROBEE DE PATE A BISCUIT ET PROCEDE DE FABRICATION DE CONFISERIE ENROBEE DE PATE A BISCUIT**
[72] NAPOLITANO, GUILLERMO E, US
[72] PALURI, SRAVANTI, US
[71] SOCIETE DES PRODUITS NESTLE SA, CH
[85] 2022-10-20
[86] 2021-05-12 (PCT/EP2021/062763)
[87] (WO2021/229022)
[30] US (63/025,570) 2020-05-15

[21] **3,176,288**
[13] A1
[51] **Int.Cl. E06B 3/677 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETERMINING A QUALITY OF THE THERMAL INSULATION OF AN INSULATING GLAZING IN A BUILDING**
[54] **SYSTEME DE DETERMINATION D'UNE QUALITE DE L'ISOLATION THERMIQUE D'UN VITRAGE ISOLANT DANS UN BATIMENT**
[72] EFFERTZ, CHRISTIAN, DE
[72] OFFERMANN, VOLKMAR, DE
[72] DROGE, ALICIA, DE
[72] BITTIS, ANDREAS, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-10-20
[86] 2021-07-12 (PCT/EP2021/069258)
[87] (WO2022/017839)
[30] EP (20186852.8) 2020-07-21

[21] **3,176,291**
[13] A1
[51] **Int.Cl. F24F 6/12 (2006.01) F24F 13/32 (2006.01)**
[25] EN
[54] **PORTABLE HUMIDIFIER**
[54] **HUMIDIFICATEUR PORTATIF**
[72] EDIGER, GLEN WESLEY, US
[72] CARTWRIGHT, BRIAN, US
[72] PEASE, GREGORY, US
[71] VORNADO AIR, LLC, US
[85] 2022-10-20
[86] 2021-04-19 (PCT/US2021/028022)
[87] (WO2021/216472)
[30] US (16/853,734) 2020-04-20

[21] **3,176,299**
[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 17/16 (2006.01) F04D 29/52 (2006.01) F04D 29/56 (2006.01) F04D 29/68 (2006.01)**
[25] FR
[54] **TURBOMACHINE COMPRESSOR HAVING A STATIONARY WALL PROVIDED WITH A SHAPE TREATMENT**
[54] **COMPRESSEUR DE TURBOMACHINE COMPORTANT UNE PAROI FIXE POURVUE D'UN TRAITEMENT DE FORME**
[72] ARTUS, FABIEN JEAN-MICHEL, FR
[72] TARNOWSKI, LAURENT PIERRE, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2022-10-20
[86] 2021-04-23 (PCT/FR2021/050704)
[87] (WO2021/224558)
[30] FR (FR2004496) 2020-05-06

[21] **3,176,300**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING AN IGE ANTIBODY**
[54] **COMPOSITION COMPRENANT UN ANTICORPS IGE**
[72] SPICER, JAMES, GB
[72] KARAGIANNIS, SOPHIA, GB
[72] FIGINI, MARIANGELA, IT
[72] GOULD, HANNAH, GB
[71] KING'S COLLEGE, LONDON, GB
[85] 2022-10-20
[86] 2021-04-23 (PCT/EP2021/060749)
[87] (WO2021/214329)
[30] GB (2006093.5) 2020-04-24

[21] **3,176,303**
[13] A1
[51] **Int.Cl. A61K 39/04 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01) A61P 37/04 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING, CONTROLLING AND DIAGNOSING MYCOBACTERIAL INFECTIONS**
[54] **COMPOSITIONS ET METHODES POUR PREVENIR, LUTTER CONTRE ET DIAGNOSTIQUER DES INFECTIONS MYCOBACTERIENNES**
[72] FACCIUOLO, ANTONIO, CA
[72] GRIEBEL, PHILIP, CA
[72] GERDTS, VOLKER, CA
[72] POTTER, ANDREW, CA
[72] RAWLYK, NEIL, CA
[72] CHEN, JEFFREY, CA
[72] PASTURAL, ELODIE, CA
[72] BAINS, MANJEET, CA
[72] TRIMBLE, MICHAEL, CA
[72] LEE, AMY, CA
[72] HANCOCK, ROBERT E.W., CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2022-10-20
[86] 2021-04-19 (PCT/CA2021/050527)
[87] (WO2021/212215)
[30] US (63/012,668) 2020-04-20

[21] **3,176,305**
[13] A1
[25] EN
[54] **PRODUCT REGISTRATION SYSTEM**
[54] **SYSTEME D'ENREGISTREMENT DE PRODUIT**
[72] HUIE, MIKE, US
[71] JOHNSON-RAUHOFF, INC., US
[85] 2022-10-20
[86] 2021-05-12 (PCT/US2021/031899)
[87] (WO2021/236384)
[30] US (63/028,876) 2020-05-22

[21] **3,176,306**
[13] A1
[51] **Int.Cl. G05G 1/40 (2009.01) B60N 2/90 (2018.01) B60K 26/02 (2006.01) B60T 7/06 (2006.01)**
[25] EN
[54] **PEDAL ADJUSTMENT SYSTEM AND SEAT ADJUSTMENT SYSTEM, AND APPARATUS USING SAME**
[54] **SYSTEME DE REGLAGE DE PEDALE ET SYSTEME DE REGLAGE DE SIEGE, ET APPAREIL LES UTILISANT**
[72] KAN, TZU YU, CA
[72] CHEN, YU HAO, CA
[71] AXON SIMULATOR LTD., CA
[85] 2022-10-20
[86] 2020-04-30 (PCT/CA2020/050575)
[87] (WO2021/217230)

[21] **3,176,308**
[13] A1
[51] **Int.Cl. G01M 3/24 (2006.01) G01N 29/036 (2006.01) G01N 29/14 (2006.01)**
[25] EN
[54] **DETECTION OF STRUCTURAL VARIATIONS IN ARTICLES USING ACOUSTIC RESONANCE SPECTROSCOPY**
[54] **DETECTION DE VARIATIONS STRUCTURALES DANS DES ARTICLES EN UTILISANT LA SPECTROSCOPIE PAR RESONANCE ACOUSTIQUE**
[72] SINHA, DIPEN N., US
[71] AWE TECHNOLOGIES, LLC, US
[85] 2022-10-20
[86] 2021-04-23 (PCT/US2021/028868)
[87] (WO2021/217016)
[30] US (63/015,283) 2020-04-24
[30] US (17/238,512) 2021-04-23

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/36 (2006.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS, SYSTEMS FOR AUTOMATED NUCLEIC ACID-GUIDED NUCLEASE EDITING IN MAMMALIAN CELLS USING MICROCARRIERS**
[54] **COMPOSITIONS, PROCEDES, SYSTEMES POUR L'EDITION AUTOMATISEE DE NUCLEASE GUIDEE PAR ACIDE NUCLEIQUE DANS DES CELLULES DE MAMMIFERE A L'AIDE DE MICROSUPPORTS**
[72] BELGRADER, PHILLIP, US
[72] BADE, NATHAN, US
[72] SILTANEN, CHRISTIAN, US
[72] MIR, AAMIR, US
[72] CHEN, XI-JUN, US
[72] MOK, JANINE, US
[72] DURA, BURAK, US
[72] CHABANSKY, BRUCE, US
[72] STUMBO, DAVID, US
[72] SMITH, ERIC, US
[72] BERNATE, JORGE, US
[71] INSCRIPTA, INC., US
[85] 2022-10-20
[86] 2021-04-24 (PCT/US2021/029011)
[87] (WO2021/217106)
[30] US (63/014,944) 2020-04-24
[30] US (63/092,499) 2020-10-15

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[13] A1
[51] **Int.Cl. B29C 70/54 (2006.01) B29D 35/14 (2010.01) B29C 59/18 (2006.01) B29C 70/68 (2006.01) B29C 70/78 (2006.01) B29C 70/84 (2006.01) B29C 70/88 (2006.01) B32B 1/08 (2006.01)**
[25] FR
[54] **THERMOFORMABLE SHAPE-MEMORY DEVICE AND USES THEREOF**
[54] **DISPOSITIF THERMOFORMABLE ET A MEMOIRE DE FORME ET APPLICATIONS**
[72] LAURENT, HUGO, FR
[72] ANKAOUA, CLEMENT, FR
[72] TREPIER-LE BELLER, MARIA LUISA, FR
[71] MILLET INNOVATION, FR
[85] 2022-10-20
[86] 2021-04-26 (PCT/FR2021/050719)
[87] (WO2021/224562)
[30] FR (2004508) 2020-05-06

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[13] A1
[51] **Int.Cl. B01D 21/00 (2006.01) B01D 21/24 (2006.01)**
[25] FR
[54] **RECIRCULATION SYSTEM AND METHOD FOR A SETTLING TANK, IN PARTICULAR A CLARIFIER OF A PURIFICATION PLANT**
[54] **SYSTEME ET PROCEDE DE RECIRCULATION POUR UN DECANTEUR, NOTAMMENT UN CLARIFICATEUR D'UNE STATION D'EPURATION**
[72] GALICHET, GILLES CONSTANT AUGUSTE, FR
[71] CLARIF-CONCEPT, FR
[85] 2022-10-20
[86] 2021-05-27 (PCT/IB2021/054630)
[87] (WO2021/240420)
[30] EP (20315269.9) 2020-05-28

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[13] A1
[51] **Int.Cl. A23L 33/11 (2016.01) A61K 36/22 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR JOINT HEALTH**
[54] **COMPOSITIONS ET METHODES POUR DES ARTICULATIONS SAINES**
[72] RANA, JATINDER, US
[72] SIMMONS, NYLEN, US
[71] INNOPHOS, LLC, US
[85] 2022-10-20
[86] 2021-04-12 (PCT/US2021/026835)
[87] (WO2021/225756)
[30] US (63/021,406) 2020-05-07
[30] US (63/166,458) 2021-03-26

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[13] A1
[51] **Int.Cl. G06F 3/0482 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR VIDEO COLLABORATION**
[54] **PROCEDES ET SYSTEMES DE COLLABORATION VIDEO**
[72] HAWKINS, DANIEL, US
[72] KALLURI, RAVI, US
[72] KRISHNA, ARUN, US
[72] MAHADEVAPPA, SHIVAKUMAR, US
[71] AVAIL MEDSYSTEMS, INC., US
[85] 2022-10-20
[86] 2021-04-20 (PCT/US2021/028101)
[87] (WO2021/216509)
[30] US (63/012,394) 2020-04-20
[30] US (63/121,701) 2020-12-04

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[13] A1
[51] **Int.Cl. B01J 19/00 (2006.01) B01J 38/70 (2006.01) C05F 11/02 (2006.01) C10L 5/44 (2006.01) C12M 1/00 (2006.01) C12M 1/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONVERSION OF BIOMASS TO BIOFUEL AND EXTRACTION OF CARBON-CONTAINING PRODUCTS**
[54] **PROCEDE ET SYSTEME DE CONVERSION DE BIOMASSE EN BIOCARBURANT ET EXTRACTION DE PRODUITS CONTENANT DU CARBONE**
[72] MOKVIST, ANDERS, US
[71] MOKVIST, ANDERS, US
[85] 2022-10-20
[86] 2021-05-11 (PCT/US2021/031879)
[87] (WO2021/231506)
[30] US (63/022,961) 2020-05-11

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[13] A1
[51] **Int.Cl. G06K 7/10 (2006.01)**
[25] EN
[54] **MUTING CIRCUIT FOR ANALOG FILTERS IN RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEMS**
[54] **CIRCUIT ANTIBRUIT DESTINE A DES FILTRES ANALOGIQUES DANS DES SYSTEMES D'IDENTIFICATION PAR RADIOFREQUENCE (RFID)**
[72] BLAIR, MARK, US
[72] MA, MARTIN S.H., US
[71] AVID IDENTIFICATION SYSTEMS, INC., US
[85] 2022-10-20
[86] 2021-04-20 (PCT/US2021/028138)
[87] (WO2021/216539)
[30] US (16/857,046) 2020-04-23
[30] US (17/164,818) 2021-02-01

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[13] A1
[51] **Int.Cl. G08G 1/01 (2006.01) G08G 1/015 (2006.01) G08G 1/017 (2006.01) G08G 1/08 (2006.01) G08G 1/083 (2006.01) G08G 1/095 (2006.01)**
[25] FR
[54] **STAND-ALONE DECISION-MAKING TRAFFIC LIGHTS**
[54] **FEUX TRICOLORES AUTONOMES DELIBERATIFS**
[72] ADNANE, AHMED, MA
[71] VETRASOFT, MA
[85] 2022-10-20
[86] 2021-09-01 (PCT/MA2021/000017)
[87] (WO2022/050830)
[30] MA (50826) 2020-09-07

[21] **3,176,320**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **SARS-COV-2 VACCINES**
[54] **VACCINS CONTRE LE SARS-COV-2**
[72] STRATFORD, RICHARD, NO
[72] CLANCY, TREVOR, NO
[72] MOLINE, CLEMENT, NO
[72] SIMOVSKI, BORIS, NO
[72] MALONE, BRANDON, DE
[72] CHENG, JUN, DE
[71] NEC ONCOIMMUNITY AS, NO
[71] NEC LABORATORIES EUROPE GMBH, DE
[85] 2022-10-20
[86] 2021-04-20 (PCT/EP2021/060272)
[87] (WO2021/214081)
[30] EP (20170488.9) 2020-04-20
[30] EP (20187750.3) 2020-07-24

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-CD73-ANTI-PD-1 BISPECIFIC ANTIBODY AND USE THEREOF**
[54] **ANTICORPS BISPECIFIQUE ANTI-CD73-ANTI-PD-1 ET SON UTILISATION**
[72] ZHANG, PENG, CN
[72] LI, BAIYONG, CN
[72] XIA, YU, CN
[72] WANG, ZHONGMIN, CN
[71] AKESO BIOPHARMA, INC., CN
[85] 2022-10-20
[86] 2021-04-22 (PCT/CN2021/089059)
[87] (WO2021/213475)
[30] CN (202010324783.4) 2020-04-22
[30] CN (202110270671.X) 2021-03-12

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[13] A1
[51] **Int.Cl. G01B 21/24 (2006.01) G01M 1/12 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING CENTERS OF A HOLLOW SHAFT ROTATABLY CLAMPED AS A WORKPIECE IN A MACHINE TOOL**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE CENTRES D'UN ARBRE CREUX MONTE ROTATIF EN TANT QUE PIECE DANS UNE MACHINE-OUTIL**
[72] ROBOTTA, REINHARD, DE
[72] HALLE, MORITZ, DE
[72] KRAHER, KLAUS, DE
[72] NAUMANN, HANS J., DE
[71] NILES-SIMMONS INDUSTRIEANLAGEN GMBH, DE
[85] 2022-10-20
[86] 2021-04-08 (PCT/DE2021/000071)
[87] (WO2021/213564)
[30] DE (10 2020 002 421.1) 2020-04-22

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[13] A1
[51] **Int.Cl. F28D 21/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **HEAT DISSIPATION DEVICE AND HEAT DISSIPATION AND HEATING SYSTEM**
[54] **DISPOSITIF DE DISSIPATION THERMIQUE ET SYSTEME DE DISSIPATION THERMIQUE ET DE CHAUFFAGE**
[72] LI, RISHENG, CN
[72] LIU, YUNFENG, CN
[72] WANG, LIEDONG, CN
[72] XU, JUN, CN
[71] HANGZHOU DARERUOHAN TECHNOLOGY CO., LTD., CN
[85] 2022-10-20
[86] 2021-01-21 (PCT/CN2021/073161)
[87] (WO2021/238245)
[30] CN (202010467087.9) 2020-05-28

[21] **3,176,325**
[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) C07D 333/46 (2006.01)**
[25] EN
[54] **HALOGENATED-HETEROARYL AND OTHER HETEROCYCLIC KINASE INHIBITORS, AND USES THEREOF**
[54] **INHIBITEURS DE KINASE HETEROARYLES HALOGENES ET AUTRES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] SENNHENN, PETER, DE
[72] BISSINGER, STEFAN, DE
[72] LOFERER, HANNES, DE
[72] BANCROFT, DAVID, DE
[72] MICHELS, TILLMANN, DE
[72] KHANDELWAL, NISIT, DE
[71] IOMX THERAPEUTICS AG, DE
[85] 2022-10-20
[86] 2021-04-21 (PCT/EP2021/060338)
[87] (WO2021/214117)
[30] EP (20170641.3) 2020-04-21

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[13] A1
[51] **Int.Cl. G16B 15/30 (2019.01) G16B 30/00 (2019.01) A61P 31/14 (2006.01) G16H 50/50 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IDENTIFYING ONE OR MORE CANDIDATE REGIONS OF ONE OR MORE SOURCE PROTEINS THAT ARE PREDICTED TO INSTIGATE AN IMMUNOGENIC RESPONSE, AND METHOD FOR CREATING A VACCINE**
[54] **PROCEDE ET SYSTEME POUR IDENTIFIER UNE OU PLUSIEURS REGIONS CANDIDATES D'UNE OU DE PLUSIEURS PROTEINES SOURCES CENSEES INDUIRE UNE REPONSE IMMUNOGENE, ET PROCEDE DE CREATION D'UN VACCIN**
[72] SIMOVSKI, BORIS, NO
[72] MOLINE, CLEMENT, NO
[72] STRATFORD, RICHARD, NO
[72] CLANCY, TREVOR, NO
[71] NEC ONCOIMMUNITY AS, NO
[85] 2022-10-20
[86] 2021-04-20 (PCT/EP2021/060259)
[87] (WO2021/214071)
[30] EP (20170484.8) 2020-04-20
[30] EP (20187765.1) 2020-07-24

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[13] A1
[51] **Int.Cl. A47K 10/32 (2006.01) A47K 10/38 (2006.01)**
[25] EN
[54] **DISPENSER WITH MECHANICAL TRANSFER AND METHOD**
[54] **DISTRIBUTEUR A TRANSFERT MECANIQUE ET PROCEDE**
[72] LEWIS, RICHARD P., US
[72] RALEIGH, EDWARD A., US
[72] BRICKL, JEFFREY J., US
[72] WOERPEL, MATTHEW T., US
[72] GODFREY, ROBERT, US
[71] CIPO, CA
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2022-10-20
[86] 2020-04-21 (PCT/US2020/070003)
[87] (WO2021/216138)

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01)**
[25] EN
[54] **TRANSDERMAL ACTIVE AGENT DELIVERY DEVICES HAVING CORONAVIRUS VACCINE COATED MICROPROTRUSIONS**
[54] **DISPOSITIFS D'ADMINISTRATION D'AGENTS ACTIFS TRANSDERMIQUES COMPORTANT DES MICROPROTUBERANCES REVETUES D'UN VACCIN CONTRE LE CORONAVIRUS**
[72] AMERI, MAHMOUD, US
[72] LEWIS, HAYLEY, US
[71] EMERGEX USA CORPORATION, US
[85] 2022-10-20
[86] 2021-04-22 (PCT/US2021/028715)
[87] (WO2021/216925)
[30] US (63/013,809) 2020-04-22

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6809 (2018.01)**
[25] EN
[54] **POLYGENIC TRAIT PREDICTION USING LOCAL ANCESTRY**
[54] **PREDICTION DE CARACTERES POLYGENIQUES A L'AIDE D'UNE ASCENDANCE LOCALE**
[72] PRUSS, DMITRY, US
[72] GUTIN, ALEXANDER, US
[72] HUGHES, ELISHA, US
[72] LANCHBURY, JERRY, US
[71] MYRIAD GENETICS, INC., US
[85] 2022-10-20
[86] 2021-04-16 (PCT/US2021/027817)
[87] (WO2021/216380)
[30] US (63/012,699) 2020-04-20

[21] **3,176,330**
[13] A1
[51] **Int.Cl. C02F 3/28 (2006.01)**
[25] EN
[54] **METHOD FOR CONTINUOUS CLEANING OF PROCESS WATER IN WASTE PAPER TREATMENT, WITH CONTROL OF THE CONTENT OF INORGANIC SOLIDS**
[54] **PROCEDE DE NETTOYAGE CONTINU D'EAU DE TRAITEMENT DANS UN TRAITEMENT DE VIEUX PAPIERS, AVEC REGULATION DE LA TENEUR EN MATIERES SOLIDES INORGANIQUES**
[72] TROUBOUNIS, GEORGE, DE
[72] LAUBROCK, HENNING, DE
[72] MENKE, LUCAS, DE
[72] DOMENE FIGUEROLA, LUIS, DE
[71] MERI ENVIRONMENTAL SOLUTIONS GMBH, DE
[85] 2022-10-20
[86] 2021-04-19 (PCT/EP2021/060038)
[87] (WO2021/213963)
[30] DE (10 2020 002 363.0) 2020-04-20

[21] **3,176,331**
[13] A1
[51] **Int.Cl. B25B 23/08 (2006.01)**
[25] EN
[54] **DEVICE FOR SETTING A CONNECTING ELEMENT**
[54] **DISPOSITIF DE MISE EN PLACE D'UN ELEMENT DE LIAISON**
[72] DUBIEL, GERHARD, DE
[72] WERKMEISTER, MARCO, DE
[72] BRANDAU-WOLFF, ANGELIQUE, DE
[72] KOEPPCHEN, TIM, DE
[71] EJOT GMBH & CO. KG, DE
[85] 2022-10-20
[86] 2021-04-20 (PCT/EP2021/060275)
[87] (WO2021/214083)
[30] DE (10 2020 110 855.9) 2020-04-21

[21] **3,176,333**
[13] A1
[51] **Int.Cl. G16H 30/40 (2018.01)**
[25] FR
[54] **METHOD FOR DETERMINING AN ABLATION REGION BASED ON DEEP LEARNING**
[54] **METHODE DE DETERMINATION D'UNE REGION D'ABLATION BASEE SUR L'APPRENTISSAGE PROFOND**
[72] OUBEL, ESTANISLAO, FR
[72] BLONDEL, LUCIEN, FR
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[72] GIRARDOT, MICHAEL, FR
[71] QUANTUM SURGICAL, FR
[85] 2022-10-20
[86] 2021-05-20 (PCT/FR2021/050907)
[87] (WO2021/234305)
[30] FR (FR2005340) 2020-05-20

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[13] A1
[51] **Int.Cl. G01V 1/22 (2006.01) G01V 1/00 (2006.01)**
[25] EN
[54] **MOTION AWARE NODAL SEISMIC UNIT AND RELATED METHODS**
[54] **UNITE SISMIQUE NODALE SENSIBLE AU MOUVEMENT ET PROCEDES ASSOCIES**
[72] SELVAKUMAR, ARJUN, US
[71] INOVA LTD., KY
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028400)
[87] (WO2021/216711)
[30] US (63/013,274) 2020-04-21

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[13] A1
[51] **Int.Cl. C25D 3/06 (2006.01) C25D 5/14 (2006.01) C25D 5/36 (2006.01)**
[25] EN
[54] **OBJECT COMPRISING A CHROMIUM-BASED COATING WITH A HIGH VICKERS HARDNESS, PRODUCTION METHOD, AND AQUEOUS ELECTROPLATING BATH THEREFOR**
[54] **OBJET COMPRENANT UN REVETEMENT A BASE DE CHROME AYANT UNE DURETE VICKERS ELEVEE, PROCEDE DE PRODUCTION ET BAIN AQUEUX DE GALVANOPLASTIE POUR CELUI-CI**
[72] RAISA, JUSSI, FI
[72] YLI-PENTTI, ARTO, FI
[71] SAVROC LTD, FI
[85] 2022-10-20
[86] 2021-04-21 (PCT/FI2021/050297)
[87] (WO2021/214389)
[30] FI (20205408) 2020-04-23

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **RNA-BINDING PROTEIN MULTIMERIZATION INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE LA MULTIMERISATION DE PROTEINE DE LIAISON A L'ARN ET LEURS PROCEDES D'UTILISATION**
[72] KING, PETER, US
[72] NABORS, LOUIS B., US
[72] FILIPPOVA, NATALIA, US
[72] YANG, XIUHUA, US
[72] ANANTHAN, SUBRAMANIAM, US
[72] PATHAK, VIBHA, US
[71] THE UAB RESEARCH FOUNDATION, US
[71] SOUTHERN RESEARCH INSTITUTE, US
[71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028460)
[87] (WO2021/216757)
[30] US (63/013,451) 2020-04-21

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[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/39 (2006.01)**
[25] EN
[54] **RESUSCITATION DEVICE**
[54] **DISPOSITIF DE REANIMATION**
[72] ROSEMAN, YEHUDA, IL
[72] MASSE, DANIEL, US
[72] WELCHES, SHAUN, US
[72] KISHINEVSKY, MICHAEL, US
[72] MCGINN, SAM, US
[72] ROSENBLUM, JONATHAN, IL
[71] JOLTZ LLC, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/IL2021/050456)
[87] (WO2021/214768)
[30] US (63/014,127) 2020-04-23

[21] **3,176,339**
[13] A1
[51] **Int.Cl. A61H 31/00 (2006.01) G16H 40/63 (2018.01)**
[25] EN
[54] **CARDIOPULMONARY RESUSCITATION DEVICE**
[54] **DISPOSITIF DE REANIMATION**
[72] ROSEMAN, YEHUDA, IL
[72] MASSE, DANIEL, US
[72] WELCHES, SHAUN, US
[72] KISHINEVSKY, MICHAEL, US
[72] MCGINN, SAM, US
[72] ROSENBLUM, JONATHAN, IL
[71] JOLTZ LLC, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/IL2021/050453)
[87] (WO2021/214765)
[30] US (63/014,127) 2020-04-23

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[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A61P 31/14 (2006.01) C07K 7/04 (2006.01) C07K 14/165 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND ANTI-VIRAL USES THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES ET LEURS UTILISATIONS ANTIVIRALES**
[72] AYNI, ZYON, IL
[72] FINKELSHTEIN, EYNAT, IL
[72] NAFTALI, ESMIRA, IL
[71] CODE PHARMA B.V., NL
[85] 2022-10-20
[86] 2021-04-21 (PCT/IB2021/053299)
[87] (WO2021/214688)
[30] US (63/013,595) 2020-04-22

[21] **3,176,342**
[13] A1
[51] **Int.Cl. H01M 4/24 (2006.01) H01M 4/62 (2006.01) H01M 10/24 (2006.01) H01M 10/42 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **POROUS MATERIALS FOR BATTERY ELECTRODES**
[54] **MATERIAUX POREUX POUR ELECTRODES DE BATTERIE**
[72] GIBSON, MICHAEL ANDREW, US
[72] THOMPSON, ANNELISE CHRISTINE, US
[72] WOODFORD, WILLIAM HENRY, US
[72] CHIANG, YET-MING, US
[71] FORM ENERGY, INC., US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028477)
[87] (WO2021/216769)
[30] US (63/013,864) 2020-04-22

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[13] A1
[51] **Int.Cl. B23K 26/70 (2014.01) A61L 9/20 (2006.01) B23K 26/12 (2014.01)**
[25] EN
[54] **LASER EQUIPMENT FOR GOLD WORKSHOPS AND / OR DENTAL TECHNICIANS**
[54] **EQUIPEMENT LASER POUR ATELIERS D'ORFEVRERIE ET/OU PROTHESISTES DENTAIRES**
[72] RENON, ALBERTO, IT
[72] GAGLIANO, ALBERTO, IT
[71] OROTIG S.P.A., IT
[85] 2022-10-20
[86] 2021-04-19 (PCT/IB2021/053194)
[87] (WO2021/214621)
[30] IT (102020000008485) 2020-04-21

[21] **3,176,345**
[13] A1
[51] **Int.Cl. B29C 70/52 (2006.01) B29D 99/00 (2010.01) B29C 70/86 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A WIND TURBINE BLADE AND WIND TURBINE BLADE OBTAINED THEREBY**
[54] **PROCEDE DE FABRICATION D'UNE PALE D'EOLIENNE ET PALE D'EOLIENNE OBTENUE PAR CE BIAIS**
[72] HANRAHAN, KRISTEN, US
[72] KNOBLOCK, TANNER, US
[72] HUNTER, JUSTIN, US
[72] KNOBLOCK, JASPER, US
[72] JORGENSEN, JEPPE, DK
[71] LM WIND POWER A/S, DK
[71] BLADE DYNAMICS LLLP, US
[85] 2022-10-20
[86] 2020-05-25 (PCT/EP2020/064418)
[87] (WO2021/239209)

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[13] A1
[51] **Int.Cl. G01B 9/04 (2006.01) G02B 21/24 (2006.01) G02B 21/34 (2006.01)**
[25] EN
[54] **FOCAL PLANE SPACERS FOR MICROSCOPE SLIDES AND RELATED SYSTEMS AND METHODS**
[54] **DISPOSITIFS D'ESPACEMENT DE PLAN FOCAL DESTINES A DES LAMES DE MICROSCOPE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] EVANS, MARK S., US
[72] IVIE, MICHAEL ANDREW, US
[71] LEAVITT MEDICAL, INC. D/B/A LUMEA, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028472)
[87] (WO2021/216764)
[30] US (63/014,958) 2020-04-24

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[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 21/04 (2006.01) B01J 21/10 (2006.01) B01J 23/62 (2006.01) B01J 37/02 (2006.01) C07C 11/06 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR UPGRADING ALKANES AND ALKYL AROMATIC HYDROCARBONS**
[54] **PROCEDES ET SYSTEMES DE VALORISATION D'ALCANES ET D'HYDROCARBURES AROMATIQUES ALKYLIQUES**
[72] BAO, XIAOYING, US
[72] LATTNER, JAMES R., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2022-10-20
[86] 2021-04-09 (PCT/US2021/026639)
[87] (WO2021/225747)
[30] US (63/022,034) 2020-05-08
[30] EP (20179510.1) 2020-06-11

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[13] A1
[51] **Int.Cl. A61N 2/00 (2006.01) A61N 2/02 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING MAGNETIC FIELD AND METHOD FOR CONTROLLING SAME**
[54] **DISPOSITIF DE GENERATION DE CHAMP MAGNETIQUE ET PROCEDE DE COMMANDE ASSOCIE**
[72] LEE, JEONG WON, KR
[71] RADEXEL INC., KR
[85] 2022-10-20
[86] 2021-04-23 (PCT/KR2021/005131)
[87] (WO2021/215859)
[30] KR (10-2020-0050313) 2020-04-24
[30] KR (10-2021-0052174) 2021-04-22

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[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) G10L 25/51 (2013.01) G01H 3/06 (2006.01) G01H 3/08 (2006.01) G01H 3/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED ACCURACY OF BULLYING OR ALTERCATION DETECTION OR IDENTIFICATION OF EXCESSIVE MACHINE NOISE**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'AMELIORER LA PRECISION DE DETECTION D'UNE ALTERCATION OU D'UN HARCELEMENT OU L'IDENTIFICATION D'UN BRUIT DE MACHINE EXCESSIF**
[72] CHU, CARY, US
[71] SOTER TECHNOLOGIES, LLC, US
[85] 2022-10-20
[86] 2021-04-20 (PCT/US2021/028072)
[87] (WO2021/216493)
[30] US (63/013,091) 2020-04-21

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[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **LEADING EDGE PROTECTION FOR A WIND TURBINE BLADE**
[54] **PROTECTION DE BORD D'ATTAQUE POUR UNE PALE D'EOLIENNE**
[72] BEHMER, HARALD, GB
[72] BULACIO, HORACIO, DK
[72] VILA, MARC CANAL, ES
[72] HAAG, MICHAEL DRACHMANN, DK
[72] HERRIG, ANDREAS, DE
[72] VAN KALKEN, JORDY HERTEL NILSSON, DK
[72] MINNEE, HANS, NL
[71] BLADE DYNAMICS LIMITED, GB
[71] LM WIND POWER A/S, DK
[71] GENERAL ELECTRIC RENOVABLES ESPANA S.L., ES
[71] LM WIND POWER R&D (HOLLAND) B.V., NL
[85] 2022-10-20
[86] 2021-05-11 (PCT/EP2021/062475)
[87] (WO2021/228851)
[30] GB (2006879.7) 2020-05-11

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[13] A1
[51] **Int.Cl. C21B 13/02 (2006.01) C21B 13/14 (2006.01) C01B 3/02 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF CARBURIZED SPONGE IRON**
[54] **PROCEDE DE PRODUCTION DE FER CEMENTE**
[72] HYLLANDER, JENNY ANNA GUNILLA, SE
[72] TOTTIE, MAGNUS, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2022-10-20
[86] 2021-05-03 (PCT/SE2021/050410)
[87] (WO2021/225500)
[30] SE (2050508-7) 2020-05-04

[21] **3,176,356**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/078 (2010.01) C12N 5/09 (2010.01) G16H 10/00 (2018.01) G16H 20/00 (2018.01) G16H 20/10 (2018.01) G16H 20/17 (2018.01) A61P 35/00 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COORDINATING MANUFACTURING OF CELLS FOR PATIENT-SPECIFIC IMMUNOTHERAPY**
[54] **SYSTEMES ET PROCEDES POUR COORDONNER LA FABRICATION DE CELLULES POUR L'IMMUNOTHERAPIE SPECIFIQUE AU PATIENT**
[72] BROOKS, ANNE, US
[72] MACRIDES, STEVE, US
[72] LANZI, KRISTIN, US
[71] IOVANCE BIOTHERAPEUTICS, INC., US
[85] 2022-10-20
[86] 2021-04-22 (PCT/US2021/028709)
[87] (WO2021/216920)
[30] US (63/013,942) 2020-04-22
[30] US (63/155,711) 2021-03-02
[30] US (63/159,806) 2021-03-11

[21] **3,176,357**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CD25-TARGETED IL-2 FOR INCREASING CD4 T CELL FORMATION AND TREATMENT OF INFECTIONS**
[54] **IL-2 CIBLANT CD25 POUR AUGMENTER LA FORMATION DE LYMPHOCYTES T CD4 ET LE TRAITEMENT D'INFECTIONS**
[72] STRUTT, TARA M., US
[72] MCKINSTRY, KARL KAI, US
[71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2022-10-20
[86] 2021-04-26 (PCT/US2021/029077)
[87] (WO2021/217115)
[30] US (63/015,449) 2020-04-24

[21] **3,176,358**
[13] A1
[51] **Int.Cl. A61B 5/283 (2021.01) A61B 5/259 (2021.01)**
[25] EN
[54] **MEASURING PROBE FOR ECG EPICARDIAL MONITORING AND A MEASURING SYSTEM FOR EPICARDIAL ECG MONITORING COMPRISING SUCH A PROBE**
[54] **ELECTRODE DE MESURE POUR SURVEILLANCE EPICARDIQUE ECG ET SYSTEME DE MESURE POUR SURVEILLANCE EPICARDIQUE ECG COMPRENANT UNE TELLE ELECTRODE**
[72] SUWALSKI, GRZEGORZ, PL
[72] JAKUBOWSKA, MA?GORZATA, PL
[72] JANCZAK, DANIEL, PL
[72] LEPAK KUC, SANDRA, PL
[72] FURDAL, PRZEMYSLAW, PL
[71] HEART SENSE SP. Z O. O., PL
[85] 2022-10-20
[86] 2021-04-20 (PCT/PL2021/050027)
[87] (WO2021/215945)
[30] PL (P.433596) 2020-04-20

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[13] A1
[51] **Int.Cl. B01J 13/12 (2006.01) B01J 13/18 (2006.01)**
[25] EN
[54] **HOLLOW CORE GRANULES, PRODUCTS INCORPORATING THE GRANULES, AND METHODS OF PREPARING THE GRANULES**
[54] **GRANULES A NOYAU CREUX, PRODUITS INCORPORANT LES GRANULES ET PROCEDES DE PREPARATION DES GRANULES**
[72] GOMES, ANDRE VIEIRA, US
[72] BUTERA, ADAM E., US
[72] EGOYANTS, PETR A., RU
[72] CHEPURNAYA, IRINA A., RU
[72] KARUSHEV, MIKHAIL P., RU
[72] BYKOV, VADIM A., RU
[72] ILYIN, ILYA, US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2022-10-20
[86] 2021-04-23 (PCT/US2021/028821)
[87] (WO2021/216986)
[30] US (63/014,911) 2020-04-24

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/167 (2006.01) A61K 31/17 (2006.01) A61K 31/26 (2006.01) A61K 31/341 (2006.01) A61K 31/49 (2006.01) A61K 31/513 (2006.01) A61P 31/14 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **QUININE AND ITS USE TO GENERATE INNATE IMMUNE RESPONSE**
[54] **QUININE ET SON UTILISATION POUR GENERER UNE REPONSE IMMUNITAIRE INNEE**
[72] COHEN, NOAM, US
[72] LEE, ROBERT J., US
[72] WEISS, SUSAN R., US
[72] MASLOW, JOEL N., US
[72] ROBERTS, CHRISTINE C., US
[72] CHERRY, SARA, US
[72] KOHANSKI, MICHAEL, US
[72] ADAPPA, NITHIN D., US
[72] PALMER, JAMES N., US
[72] TAN, LI HUI, US
[71] COHEN, NOAM, US
[71] LEE, ROBERT J., US
[71] WEISS, SUSAN R., US
[71] MASLOW, JOEL N., US
[71] ROBERTS, CHRISTINE C., US
[71] CHERRY, SARA, US
[71] KOHANSKI, MICHAEL, US
[71] ADAPPA, NITHIN D., US
[71] PALMER, JAMES N., US
[71] TAN, LI HUI, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028463)
[87] (WO2021/216759)
[30] US (63/013,438) 2020-04-21

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[13] A1
[51] **Int.Cl. G06F 21/64 (2013.01)**
[25] EN
[54] **SECURE ULTRASOUND SYSTEM**
[54] **SYSTEME A ULTRASONS SECURISE**
[72] HUGHES, DAVID, GB
[71] NOVOSOUND LTD, GB
[85] 2022-10-20
[86] 2021-04-23 (PCT/GB2021/050996)
[87] (WO2021/214490)
[30] GB (2006048.9) 2020-04-24

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[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATES**
[54] **CONJUGUES ANTICORPS-MEDICAMENT**
[72] OUBERAI, MYRIAM, GB
[72] SIM, NEIL, GB
[72] FLEMING, JAMES, GB
[72] CAMPER, NICOLAS, GB
[72] FRIGERIO, MARK, GB
[71] SPIREA LIMITED, GB
[85] 2022-10-20
[86] 2021-05-26 (PCT/GB2021/051285)
[87] (WO2021/240155)
[30] GB (2007926.5) 2020-05-27

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[13] A1
[51] **Int.Cl. F16L 9/14 (2006.01) F16L 25/10 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **VENTILATION CONDUIT**
[54] **CONDUIT DE VENTILATION**
[72] FOREST, PHILIPPE, CA
[72] LAVOIE RONDEAU, PIER-FELIX, CA
[71] 9415-2667 QUEBEC INC., CA
[85] 2022-10-20
[86] 2022-02-21 (PCT/CA2022/050247)
[87] (WO2022/174357)
[30] US (63/151,311) 2021-02-19

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 21/57 (2013.01) G06N 3/045 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **PROTECTING COMPUTER ASSETS FROM MALICIOUS ATTACKS**
[54] **PROTECTION D'ACTIFS INFORMATIQUES CONTRE LES ATTAQUES MALVEILLANTES**
[72] PAQUIN, ADAM, US
[72] DUNCAN, PEYTON, US
[72] SHEN, KEVIN, US
[72] BEES, JOHATHAN, US
[72] TUMMALAPENTA, SRINIVAS BABU, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-10-20
[86] 2021-05-11 (PCT/IB2021/053997)
[87] (WO2021/229428)
[30] US (16/875,340) 2020-05-15

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[13] A1
[51] **Int.Cl. A45D 33/00 (2006.01) B29C 33/42 (2006.01) B29C 45/37 (2006.01)**
[25] EN
[54] **COSMETIC LIP APPLICATOR**
[54] **APPLICATEUR COSMETIQUE POUR LEVRES**
[72] IYER, SUSHIL, US
[71] ELC MANAGEMENT LLC, US
[85] 2022-10-20
[86] 2021-04-22 (PCT/US2021/028515)
[87] (WO2021/216795)
[30] US (16/854,809) 2020-04-21

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[13] A1
[51] **Int.Cl. C07C 235/34 (2006.01) C07C 237/08 (2006.01) C07C 237/22 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE TREATMENT OF SARS**
[54] **COMPOSES POUR LE TRAITEMENT DE SRAS**
[72] GHOSH, ARUN K., US
[72] MITSUYA, HIROAKI, JP
[72] YADAV, MONIKA, US
[72] MESECAR, ANDREW, US
[71] PURDUE RESEARCH FOUNDATION, US
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[30] US (63/014,501) 2020-04-23
[30] US (63/120,079) 2020-12-01

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[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01)**
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[54] **INSULATING GLAZING COMPRISING A SPACER HAVING A REINFORCING PROFILE**
[54] **VITRAGE ISOLANT COMPORTANT UN ESPACEUR EQUIPE D'UN PROFILE DE RENFORCEMENT**
[72] ROES, KARL-THEO, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[86] 2021-06-11 (PCT/EP2021/065811)
[87] (WO2021/259676)
[30] EP (20181383.9) 2020-06-22

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[13] A1
[51] **Int.Cl. G06F 11/14 (2006.01)**
[25] EN
[54] **WRITE SORT MANAGEMENT IN DATA STORAGE SYSTEM**
[54] **GESTION DE TRI D'ECRITURE DANS UN SYSTEME DE STOCKAGE DE DONNEES**
[72] HATFIELD, BRIAN, US
[72] GUPTA, LOKESH MOHAN, US
[72] BORLICK, MATTHEW, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[86] 2021-05-05 (PCT/IB2021/053781)
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[30] US (16/875,719) 2020-05-15

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[51] **Int.Cl. H01L 27/00 (2006.01) H05B 33/00 (2006.01) H05B 33/10 (2006.01)**
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[54] **ELECTROLUMINESCENT LIGHT SYSTEM**
[54] **SYSTEME D'ECLAIRAGE ELECTROLUMINESCENT**
[72] HART, NICHOLAS PETER, AU
[71] HART, NICHOLAS PETER, AU
[85] 2022-10-20
[86] 2021-04-21 (PCT/AU2021/050355)
[87] (WO2021/212172)
[30] AU (2020901257) 2020-04-21

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[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/454 (2006.01) A61K 38/54 (2006.01)**
[25] EN
[54] **RENIN-ANGIOTENSIN SYSTEM (RAS) MODULATORS FOR TREATMENT OF VIRAL INFECTIONS, PHARMACEUTICAL COMPOSITIONS INCLUDING THE SAME**
[54] **MODULATEURS DU SYSTEME RENINE-ANGIOTENSINE (RAS) POUR LE TRAITEMENT D'INFECTIONS VIRALES ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT**
[72] BROWN, MILTON L., US
[72] HOUCHEN, COURTNEY W., US
[72] KONG, YALI, US
[71] TROCAR PHARMA INC., US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028357)
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[51] **Int.Cl. A23K 10/10 (2016.01) A23K 10/12 (2016.01) A23K 50/10 (2016.01) A23K 50/30 (2016.01) A23K 50/75 (2016.01) A23K 50/80 (2016.01) C12P 7/06 (2006.01) C12P 13/06 (2006.01) C12P 13/08 (2006.01) C12P 13/12 (2006.01) C12P 13/22 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING BIOMASS USING HYDROGEN-OXIDIZING BACTERIA**
[54] **PROCEDE DE PRODUCTION DE BIOMASSE A L'AIDE DE BACTERIES OXYDANT L'HYDROGENE**
[72] MANSFIELD, ROBERT PATRICK WILLIAM, GB
[72] PANDER, BART, GB
[72] KRABBEN, PREBEN, GB
[72] ROWE, PETER NICHOLAS, NL
[71] DEEP BRANCH BIOTECHNOLOGY LTD, GB
[85] 2022-10-20
[86] 2021-04-26 (PCT/EP2021/060880)
[87] (WO2021/214345)
[30] GB (2006071.1) 2020-04-24

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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **A BREWING UNIT**
[54] **UNITE D'INFUSION**
[72] MOLINARO, GABRIELE, IT
[72] PICONE, GABRIELE LUCIANO, IT
[72] ROTTA, DENIS, IT
[71] LUIGI LAVAZZA S.P.A., IT
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[25] EN
[54] **WOUND EDGE DIFFUSER**
[54] **DIFFUSEUR POUR LEVRE DE PLAIE**
[72] RANJITSINGH, MICHAEL, NZ
[72] STOKS, ELMO BENSON, NZ
[72] LAMONT, AARON JOSEPH, NZ
[72] SPENCE, CALLUM JAMES THOMAS, NZ
[72] HAZARD, STEPHANIE LOUISE, NZ
[72] GILMOUR, LYDIA JANE, NZ
[72] GRAHAM, DAVID JONATHAN SEYMOUR, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[86] 2021-05-04 (PCT/IB2021/053697)
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[25] EN
[54] **TREATMENT OF VIRUS-INDUCED ACUTE RESPIRATORY DISTRESS SYNDROME**
[54] **TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE INDUIT PAR UN VIRUS**
[72] TING, ANTHONY E., US
[72] JENKINS, ERIC D., US
[72] VALENTIN-TORRES, ALICE, US
[71] ABT HOLDING COMPANY, US
[85] 2022-10-20
[86] 2021-04-23 (PCT/US2021/028991)
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[30] US (63/014,499) 2020-04-23

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[51] **Int.Cl. H01L 29/78 (2006.01) H01L 21/336 (2006.01)**
[25] EN
[54] **NANOSHEET TRANSISTOR WITH ASYMMETRIC GATE STACK**
[54] **TRANSISTOR A NANOFEUILLES A EMPILEMENT DE GRILLE ASYMETRIQUE**
[72] XIE, RUILONG, US
[72] RADENS, CARL, US
[72] CHENG, KANGGUO, US
[72] LI, JUNTAO, US
[72] GUO, DECHAO, US
[72] LI, TAO, US
[72] KANG, TSUNG-SHENG, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[25] EN
[54] **METHOD OF TREATING SHIP1-MEDIATED DISEASES USING PELOROL DERIVATIVES**
[54] **METHODE DE TRAITEMENT DE MALADIES A MEDIATION PAR SHIP1 A L'AIDE DE DERIVES DE PELOROL**
[72] WEN, XIAO-YAN, CA
[72] ANDERSEN, RAYMOND JOHN, CA
[72] MUI, ALICE LOW-FUNG, CA
[72] ZHAO, YUANYUAN, CN
[71] ZEBRAPEUTICS INC., CA
[85] 2022-10-20
[86] 2021-04-20 (PCT/CN2021/088448)
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY AGAINST NECTIN-4 AND APPLICATION THEREOF**
[54] **ANTICORPS CONTRE LA NECTINE-4 ET SON APPLICATION**
[72] REN, HONGYUAN, CN
[72] ZHU, JIAN, CN
[72] LIN, JIAN, CN
[72] WANG, LICHUN, CN
[72] XU, XIAOHONG, CN
[72] DENG, XIAOFANG, CN
[72] BI, JIANJUN, CN
[72] WANG, JIN, CN
[72] WU, JIAN, CN
[71] MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., CN
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[86] 2021-04-21 (PCT/CN2021/088661)
[87] (WO2021/213434)
[30] CN (202010320420.3) 2020-04-21

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[51] **Int.Cl. C07K 16/40 (2006.01) C07K 16/42 (2006.01) C12N 9/02 (2006.01) C12N 15/52 (2006.01) C12Q 1/66 (2006.01) G01N 33/48 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **LUCIFERASE LINKED IMMUNOSORBENT ASSAY**
[54] **DOSAGE D'IMMUNOSORBANT LIE A LA LUCIFERASE**
[72] ROSE, THIERRY, FR
[72] GOYARD, SOPHIE, FR
[72] REBER, LAURENT LIONEL, FR
[72] JANIN, YVES, FR
[71] INSTITUT PASTEUR, FR
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[86] 2021-04-26 (PCT/EP2021/060829)
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[30] EP (20315224.4) 2020-04-27

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD3 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD3 ET UTILISATIONS ASSOCIEES**
[72] CHEUNG, NAI-KONG V., US
[72] HOSEINI, SAYED SHAHABUDDIN, US
[72] XU, HONG, US
[72] SANTICH, BRIAN, US
[72] AHMED, MAHIUDDIN, US
[71] MEMORIAL SLOAN-KETTERING CANCER-CENTER, US
[85] 2022-10-20
[86] 2021-04-23 (PCT/US2021/028798)
[87] (WO2021/216972)
[30] US (63/015,149) 2020-04-24

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[51] **Int.Cl. G06F 3/16 (2006.01) G06F 16/41 (2019.01) G06F 16/44 (2019.01) G06F 40/35 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEDIA CONTENT COMMUNICATION**
[54] **SYSTEMES ET PROCEDES POUR LA COMMUNICATION DE CONTENU MULTIMEDIA**
[72] ROBERTS, DAVID, US
[72] SUGDEN, GLENN, US
[71] ROBERTS, DAVID, US
[71] SUGDEN, GLENN, US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028289)
[87] (WO2021/216634)
[30] US (16/854,847) 2020-04-21

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[51] **Int.Cl. C12P 7/26 (2006.01) A23L 33/125 (2016.01) A23C 9/123 (2006.01) A23L 2/60 (2006.01) C12P 19/02 (2006.01)**
[25] EN
[54] **PERMEABILIZED MICROBIAL CELL CATALYSTS**
[54] **CATALYSEURS DE CELLULES MICROBIENNES PERMEABILISEES**
[72] JENSEN, PETER RUHDAL, DK
[72] SOLEM, CHRISTIAN, DK
[72] LIU, JIANMING, DK
[72] DORAU, ROBIN, DK
[72] WANG, QI, DK
[71] DANMARKS TEKNISKE UNIVERSITET, DK
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[86] 2021-05-25 (PCT/EP2021/063835)
[87] (WO2021/239702)
[30] EP (20176344.8) 2020-05-25

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[51] **Int.Cl. C08J 3/18 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A MOLDING COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE A MOULER**
[72] SCHNEIDER, DENISE, DE
[72] BELZNER, MATHIAS, DE
[71] STAEDTLER MARS GMBH & CO. KG, DE
[85] 2022-10-20
[86] 2021-04-23 (PCT/EP2021/025151)
[87] (WO2021/223907)
[30] DE (10 2020 002 693.1) 2020-05-05

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[13] A1
[51] **Int.Cl. A61L 2/07 (2006.01) A61L 2/28 (2006.01)**
[25] EN
[54] **STERILIZATION TEST DEVICE**
[54] **DISPOSITIF DE TEST DE STERILISATION**
[72] FIORELLO, ANTHONY J., US
[72] LANNAN, CHRISTOPHER J., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2022-10-20
[86] 2021-05-12 (PCT/US2021/031941)
[87] (WO2021/236388)
[30] US (16/876,727) 2020-05-18

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[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **METHOD FOR ADJUSTING A FILL LEVEL OF A LIQUID BALLOON OF A MEDICAL DEVICE, AND MEDICAL DEVICE COMPRISING A LIQUID BALLOON FOR FORMING ARTIFICIAL SPHINCTERS**
[54] **PROCEDE DE REGLAGE D'UN NIVEAU DE REMPLISSAGE D'UN BALLONNET DE LIQUIDE D'UN DISPOSITIF MEDICAL, ET DISPOSITIF MEDICAL COMPRENANT UN BALLONNET DE LIQUIDE POUR FORMER DES SPHINCTERS ARTIFICIEL**
[72] HOHLRIEDER, MARTIN, AT
[72] HUBER, ROLAND, AT
[71] A.M.I. AGENCY FOR MEDICAL INNOVATIONS GMBH, AT
[85] 2022-10-20
[86] 2021-04-13 (PCT/EP2021/059479)
[87] (WO2021/213834)
[30] AT (A 96/2020) 2020-04-23

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF TRANSPLANTED HUMAN CELLS**
[54] **IDENTIFICATION DE CELLULES HUMAINES TRANSPLANTEES**
[72] GOLDMAN, STEVEN A., US
[72] BENRAISS, ABDELLATIF, US
[72] KNUDSEN, GITTE MOOS, DK
[71] UNIVERSITY OF ROCHESTER, US
[71] UNIVERSITY OF COPENHAGEN, DK
[71] RIGSHOSPITALET (REGH), DK
[85] 2022-10-20
[86] 2021-04-20 (PCT/US2021/028206)
[87] (WO2021/216583)
[30] US (63/012,709) 2020-04-20

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[51] **Int.Cl. B05B 3/00 (2006.01) B05B 15/18 (2018.01) B05B 1/14 (2006.01) B05B 3/02 (2006.01) B05B 3/06 (2006.01) B05B 13/06 (2006.01) B08B 9/043 (2006.01) F16C 17/10 (2006.01)**
[25] EN
[54] **HIGH PRESSURE NOZZLE**
[54] **BUSE HAUTE PRESSION**
[72] SLINGERLAND, MARINUS JAN, NL
[72] VAN DER WIELEN, DINGENUS, NL
[71] P. BEKKERS HOLDING B.V., NL
[85] 2022-10-20
[86] 2021-04-22 (PCT/EP2021/060503)
[87] (WO2021/214202)
[30] NL (2025395) 2020-04-22

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[13] A1
[51] **Int.Cl. G16B 15/30 (2019.01) G16B 40/10 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYSIS OF RECEPTOR INTERACTION**
[54] **METHODES ET SYSTEMES D'ANALYSE D'INTERACTION DE RECEPTEUR**
[72] ZHANG, WEN, US
[72] HE, JING, US
[72] GUPTA, NAMITA, US
[72] ATWAL, GURINDER S., US
[72] HAWKINS, PETER, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028500)
[87] (WO2021/216787)
[30] US (63/013,480) 2020-04-21
[30] US (63/090,498) 2020-10-12
[30] US (63/111,395) 2020-11-09

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[13] A1
[51] **Int.Cl. F24B 1/02 (2006.01)**
[25] EN
[54] **DEVICE FOR REBURNING FURNACE COMBUSTION PRODUCTS**
[54] **DISPOSITIF POUR LA CALCINATION REPETEE DE PRODUITS DE COMBUSTION DE FOUR**
[72] TSERENDORJ, MUNKHBAATAR, MN
[72] MISHIGDORJ, BUYAN-OCHIR, MN
[72] TSERENDORJ, ZORIGT, MN
[72] BADMAEVA, ALEKSANDRA SERGEEVNA, MN
[71] TSERENDORJ, MUNKHBAATAR, MN
[71] MISHIGDORJ, BUYAN-OCHIR, MN
[71] TSERENDORJ, ZORIGT, MN
[71] BADMAEVA, ALEKSANDRA SERGEEVNA, MN
[85] 2022-10-20
[86] 2021-04-19 (PCT/IB2021/053214)
[87] (WO2021/214633)
[30] RU (2020114384) 2020-04-22

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[13] A1
[51] **Int.Cl. A61K 8/34 (2006.01) A61K 47/50 (2017.01) A61K 47/54 (2017.01) A61K 47/69 (2017.01) A61Q 19/00 (2006.01)**
[25] FR
[54] **COUPLED TERPENE CONJUGATE**
[54] **CONJUGUE TERPENIQUE DE COUPLAGE**
[72] BUCHY, ERIC, FR
[72] MUNNIER, EMILIE, FR
[72] CHOURPA, IGOR, FR
[71] LABORATOIRES ERIGER, FR
[85] 2022-10-20
[86] 2021-05-20 (PCT/FR2021/050905)
[87] (WO2021/240099)
[30] FR (FR2005150) 2020-05-20

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[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01) A61K 31/198 (2006.01) A61K 31/4172 (2006.01)**
[25] EN
[54] **COMPOSITION, KIT AND METHOD FOR DIAGNOSIS AND TREATMENT OF PROSTATE CANCER**
[54] **COMPOSITION, KIT ET METHODE DE DIAGNOSTIC ET DE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] DELPASSAND, EBRAHIM S., US
[72] TWOROWSKA, IZABELA, US
[71] RADIOMEDIX, INC., US
[85] 2022-10-20
[86] 2021-04-26 (PCT/US2021/029124)
[87] (WO2021/217122)
[30] US (63/015,182) 2020-04-24

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[13] A1
[51] **Int.Cl. G06K 19/07 (2006.01) H04W 88/06 (2009.01) H04W 4/80 (2018.01)**
[25] EN
[54] **CONTROL PROTOCOL FOR MULTI-PROTOCOL TRANSPONDER**
[54] **PROTOCOLE DE COMMANDE POUR TRANSPONDEUR MULTIPROTOCOLE**
[72] MISSIMER, DAVID ROSS, US
[72] CRUICKSHANKS, GEORGE DOUGLAS, US
[71] NEOLOGY, INC., US
[85] 2022-10-20
[86] 2021-05-06 (PCT/US2021/031146)
[87] (WO2021/231181)
[30] US (63/022,432) 2020-05-09

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[13] A1
[51] **Int.Cl. H04N 21/242 (2011.01) H04N 21/238 (2011.01) H04N 21/262 (2011.01) H04N 21/647 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING DISTRIBUTION OF MEDIA CONTENT IN A DISTRIBUTED SYSTEM**
[54] **SYSTEME ET PROCEDE POUR COMMANDER LA DISTRIBUTION D'UN CONTENU MULTIMEDIA DANS UN SYSTEME DISTRIBUE**
[72] MEYER, CHARLES S., CA
[72] CAIN, JAMES WESTLAND, CA
[71] GRASS VALLEY CANADA, CA
[85] 2022-10-20
[86] 2021-04-21 (PCT/CA2021/050545)
[87] (WO2021/212223)
[30] US (63/013,375) 2020-04-21
[30] US (17/233,256) 2021-04-16

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[13] A1
[51] **Int.Cl. A47C 20/08 (2006.01) A47C 20/04 (2006.01)**
[25] EN
[54] **REMOTELY CONTROLLING BEDS**
[54] **LITS TELECOMMANDES**
[72] GRUTTA, JAMES T., US
[71] PURPLE INNOVATION, LLC, US
[85] 2022-10-20
[86] 2021-06-15 (PCT/US2021/037492)
[87] (WO2021/257612)
[30] US (63/039,281) 2020-06-15

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[13] A1
[51] **Int.Cl. E03B 3/28 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD TO EXTRACT WATER FROM HUMID AMBIENT AIR**
[54] **DISPOSITIF ET PROCEDE POUR EXTRAIRE DE L'EAU A PARTIR DE L'AIR AMBIANT HUMIDE**
[72] MIKULANDRIC, ROBERT, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2022-10-20
[86] 2021-06-03 (PCT/IB2021/054870)
[87] (WO2021/255568)
[30] BE (2020/5434) 2020-06-16

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[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/12 (2006.01) C07K 14/705 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CELLULAR VACCINE PLATFORM AND METHODS OF USE**
[54] **PLATE-FORME DE VACCIN CELLULAIRE ET LEURS PROCEDES D'UTILISATION**
[72] CHOUDHRY, MODASSIR, US
[72] HENLEY, THOMAS, GB
[71] INTIMA BIOSCIENCES, INC., US
[85] 2022-10-20
[86] 2021-04-21 (PCT/US2021/028427)
[87] (WO2021/216729)
[30] US (63/013,387) 2020-04-21
[30] US (63/056,460) 2020-07-24

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[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **MULTI-USE BALL TEE**
[54] **TEE DE BALLE A USAGES MULTIPLES**
[72] JOHNSON, DAVID, US
[71] JOHNSON, DAVID, US
[85] 2022-10-21
[86] 2021-04-21 (PCT/US2021/028300)
[87] (WO2021/216639)
[30] US (16/855,461) 2020-04-22

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[13] A1
[51] **Int.Cl. A61G 3/08 (2006.01) G06Q 50/22 (2018.01) A61G 5/10 (2006.01)**
[25] EN
[54] **WHEELCHAIR SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE FAUTEUIL ROULANT ET PROCEDE D'UTILISATION**
[72] HENSELEIT, ANDREW, US
[72] HAYES, JOHN, US
[71] THE BRAUN CORPORATION, US
[85] 2022-10-21
[86] 2021-04-21 (PCT/US2021/028320)
[87] (WO2021/216653)
[30] US (63/014,823) 2020-04-24

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD19 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD19 ET LEURS UTILISATIONS**
[72] TAVARES, DANIEL, US
[72] PRINZ, BIANKA, US
[72] GEOGHEGAN, JAMES, US
[71] MILLENNIUM PHARMACEUTICALS, INC., US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028880)
[87] (WO2021/217024)
[30] US (63/015,385) 2020-04-24

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[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES AGAINST CD3 AND CD20**
[54] **ANTICORPS BISPECIFIQUES DIRIGES CONTRE CD3 ET CD20**
[72] AHMADI, TAHAMTAN, US
[72] GUPTA, MANISH, US
[72] LI, TOMMYR, US
[72] OLIVIERI, ROBERTO, DK
[72] DEMARCO, DENA, US
[72] HIEMSTRA, IDA, NL
[72] CHIU, CHRISTOPHER, US
[72] ELLIOT, BRIAN, US
[72] AZARYAN, ADA, US
[71] GENMAB A/S, DK
[85] 2022-10-21
[86] 2021-05-07 (PCT/EP2021/062231)
[87] (WO2021/224499)
[30] US (63/022,212) 2020-05-08
[30] US (63/078,667) 2020-09-15
[30] US (63/121,690) 2020-12-04

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[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/33 (2006.01) A61K 45/06 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF ARTEMISININ-RELATED COMPOUNDS AND HISTONE DEACETYLASE INHIBITORS FOR TREATMENT OF HPV-RELATED BENIGN, PREMALIGNANT, AND MALIGNANT DISEASES**
[54] **POLYTHERAPIE DE COMPOSES APPARENTES A L'ARTEMISININE ET D'INHIBITEURS D'HISTONE DESACETYLASE POUR LE TRAITEMENT DE MALADIES BENIGNES, PREMALIGNES ET MALIGNES ASSOCIEES AU HPV**
[72] SCHLEGEL, RICHARD, US
[72] YUAN, HANG, US
[71] GEORGETOWN UNIVERSITY, US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028864)
[87] (WO2021/217014)
[30] US (63/014,554) 2020-04-23

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[13] A1
[51] **Int.Cl. F17C 3/02 (2006.01)**
[25] FR
[54] **SEALED AND THERMALLY INSULATING TANK COMPRISING ANTI-CONVECTIVE FILLING ELEMENTS**
[54] **CUVE ETANCHE ET THERMIQUEMENT ISOLANTE COMPRENANT DES ELEMENTS DE REMPLISSAGE ANTI-CONVECTIF**
[72] DELETRE, BRUNO, FR
[72] D'OLCE, MARGUERITE, FR
[72] PERROT, OLIVIER, FR
[71] GAZTRANSPORT ET TECHNIGAZ, FR
[85] 2022-10-21
[86] 2021-04-27 (PCT/EP2021/061023)
[87] (WO2021/224071)
[30] FR (FR2004425) 2020-05-05

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[13] A1
[51] **Int.Cl. F27B 21/02 (2006.01)**
[25] EN
[54] **GRATE BAR FOR A PELLETIZING OR SINTERING MACHINE**
[54] **BARREAU DE GRILLE POUR MACHINE DE GRANULATION OU DE FRITTAGE**
[72] SCHULAKOW-KLASS, ANDREJ, DE
[72] MULLER, MIRKO, DE
[72] STRUBER, GEORG, LU
[71] PAUL WURTH S.A., LU
[71] PAUL WURTH DEUTSCHLAND GMBH, DE
[85] 2022-10-21
[86] 2021-05-05 (PCT/EP2021/061887)
[87] (WO2021/224339)
[30] EP (20173517.2) 2020-05-07

[21] **3,176,452**
[13] A1
[51] **Int.Cl. A61K 31/353 (2006.01) A23G 1/32 (2006.01)**
[25] EN
[54] **METHODS OF INCREASING MICROVASCULAR BLOOD FLOW**
[54] **METHODES D'AUGMENTATION DU FLUX SANGUIN MICROVASCULAIRE**
[72] PEREIRA, SUZETTE, US
[72] RUEDA CABRERA, RICARDO, ES
[72] MUSTAD, VIKKIE, US
[71] ABBOTT LABORATORIES, US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028756)
[87] (WO2021/216944)
[30] US (63/014,727) 2020-04-24

[21] **3,176,463**
[13] A1
[51] **Int.Cl. A62B 18/00 (2006.01)**
[25] EN
[54] **FACE MASK AND SYSTEM**
[54] **MASQUE FACIAL ET SYSTEME**
[72] BRITTEN, ALAN, GB
[71] PH6 LTD, GB
[71] BRITTEN, ALAN, GB
[85] 2022-10-21
[86] 2021-04-20 (PCT/IB2021/053235)
[87] (WO2021/214646)
[30] GB (2005856.6) 2020-04-22
[30] GB (2010507.8) 2020-07-08
[30] GB (2017809.1) 2020-11-11

[21] **3,176,471**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF GLYPHOSATE COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION DE GLYPHOSATE**
[72] PATTERSON, PHILIP, AU
[71] 4 FARMERS AUSTRALIA PTY LTD, AU
[85] 2022-10-21
[86] 2021-04-21 (PCT/AU2021/050354)
[87] (WO2021/212171)
[30] AU (2020901288) 2020-04-24

[21] **3,176,476**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING CASH MANAGEMENT SYSTEM OPERATION**
[54] **SYSTEMES ET PROCEDES D'AMELIORATION DU FONCTIONNEMENT D'UN SYSTEME DE GESTION D'ESPECES**
[72] TAYLOR, DARREN, US
[72] LEE, JOHN T., US
[72] CRAWFORD, JERRY, US
[72] REMIS, STEVEN, US
[72] SHELTON, CHRISTOPHER, US
[72] TOLLIFSON, LAURIE K., US
[71] TIDEL ENGINEERING, L.P., US
[71] TAYLOR, DARREN, US
[71] LEE, JOHN T., US
[71] CRAWFORD, JERRY, US
[71] REMIS, STEVEN, US
[71] SHELTON, CHRISTOPHER, US
[71] TOLLIFSON, LAURIE K., US
[85] 2022-10-21
[86] 2021-04-26 (PCT/US2021/029162)
[87] (WO2021/217134)
[30] US (63/015,064) 2020-04-24

[21] **3,176,478**
[13] A1
[51] **Int.Cl. A01G 31/02 (2006.01)**
[25] EN
[54] **GROW POT FOR AN AEROPONIC/HYDROPONIC SYSTEM, AEROPONIC SYSTEM AND ASSEMBLY**
[54] **POT DE CULTURE POUR SYSTEME AEROPONIQUE/HYDROPONIQUE , SYSTEME AEROPONIQUE ET ENSEMBLE**
[72] KOBELT, SEVERIN, CH
[71] SPROUT SYSTEMS AG, CH
[85] 2022-10-21
[86] 2021-05-11 (PCT/EP2021/062474)
[87] (WO2021/228850)
[30] EP (20174415.8) 2020-05-13

[21] **3,176,483**
[13] A1
[51] **Int.Cl. G01V 1/34 (2006.01)**
[25] EN
[54] **GEOLOGICAL REASONING WITH GRAPH NETWORKS FOR HYDROCARBON IDENTIFICATION**
[54] **RAISONNEMENT GEOLOGIQUE AVEC RESEAUX DE GRAPHES POUR L'IDENTIFICATION D'HYDROCARBURES**
[72] DE WAELE, STIJN, US
[72] DENLI, HUSEYIN, US
[72] XU, PENG, US
[72] JOHNS, MARY K., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2022-10-21
[86] 2021-04-19 (PCT/US2021/070418)
[87] (WO2021/226612)
[30] US (62/704,357) 2020-05-06

[21] **3,176,485**
[13] A1
[51] **Int.Cl. G02C 7/12 (2006.01)**
[25] EN
[54] **POLARIZED LENS AND METHOD FOR PROVIDING A POLARIZED LENS**
[54] **LENTILLE POLARISEE ET PROCEDE POUR FOURNIR UNE LENTILLE POLARISEE**
[72] SIMEONE, ANTONIO, IT
[72] TRAVERSO, SIMONE LUCA, IT
[72] SPREMULLI, VINCENZO, IT
[71] LUXOTTICA S.R.L., IT
[85] 2022-10-21
[86] 2021-06-16 (PCT/EP2021/066228)
[87] (WO2021/255087)
[30] IT (102020000014581) 2020-06-18

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[13] A1
[51] **Int.Cl. B61L 23/04 (2006.01) B61K 9/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING TANKS IN RAILWAY ENVIRONMENTS**
[54] **SYSTEMES ET PROCEDES POUR DETECTER DES CITERNES DANS DES ENVIRONNEMENTS FERROVIAIRES**
[72] LLORENTY, ANDREA LETICIA ARIAS, US
[72] GREEN, SANDRA N., US
[72] JANI, RUCHA D., US
[72] KING, DAVID MATTHEW, US
[72] MCREYNOLDS, DOUG, US
[72] NOURBAKHSH, SEYED MOHAMMAD, US
[72] WATKINS, STEPHANIE ORTIZ, US
[72] RICHMOND, NATHANIEL, US
[72] SI, XIAOYAN, US
[72] SUNG, JE SANG, US
[72] ZHANG, ANPENG, US
[71] BNSF RAILWAY COMPANY, US
[85] 2022-10-21
[86] 2021-03-29 (PCT/US2021/024594)
[87] (WO2021/216253)
[30] US (16/855,365) 2020-04-22

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[13] A1
[51] **Int.Cl. C11C 5/00 (2006.01) C11C 5/02 (2006.01) F23D 3/02 (2006.01) F23D 3/16 (2006.01)**
[25] EN
[54] **GEL CANDLES**
[54] **BOUGIES EN GEL**
[72] GENO, JASON, US
[72] BRAIN, JOSEPH, US
[72] GIFFIN, NICOLE, US
[72] HOPKINS, TAMARA WYNN, US
[71] INTERNATIONAL FLAVORS & FRAGRANCES INC., US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028788)
[87] (WO2021/216965)
[30] US (63/014,980) 2020-04-24

[21] **3,176,490**
[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 21/78 (2006.01) G01N 33/53 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **DIGITAL MICROFLUIDIC DEVICE, SYSTEM AND METHOD FOR PERFORMING A PLASMONIC PARTICLE-ASSISTED ELISA SELF-TEST**
[54] **DISPOSITIF MICROFLUIDIQUE NUMERIQUE, SYSTEME ET PROCEDE DE REALISATION D'UN AUTO-ESSAI ELISA ASSISTE PAR PARTICULES PLASMONIQUES**
[72] DENOMME, RYAN, CA
[72] POLLACK, MICHAEL, US
[72] SUDARSAN, ARJUN, US
[72] KRISHNAKUMAR, HARISH, CA
[71] NICOYA LIFESCIENCES, INC., CA
[85] 2022-10-21
[86] 2021-04-23 (PCT/CA2021/050563)
[87] (WO2021/212235)
[30] US (63/014,629) 2020-04-23
[30] US (63/074,068) 2020-09-03
[30] US (63/123,594) 2020-12-10

[21] **3,176,492**
[13] A1
[51] **Int.Cl. B01D 33/067 (2006.01) B01D 33/073 (2006.01)**
[25] FR
[54] **FILTERING PANEL AND DRUM FILTER PROVIDED WITH SUCH PANELS**
[54] **PANNEAU FILTRANT ET FILTRE A TAMBOUR EQUIPE DE TELS PANNEAUX**
[72] FAIVRE, AUBERT, FR
[72] FAIVRE, FREDERIC, FR
[72] FAIVRE, JEAN-LOUIS, FR
[71] ETABLISSEMENTS FAIVRE, FR
[85] 2022-10-21
[86] 2021-04-07 (PCT/FR2021/050608)
[87] (WO2021/234235)
[30] FR (2005268) 2020-05-20

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61P 31/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **CBP/EP300 INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR DE CBP/EP300 ET SON UTILISATION**
[72] WANG, LISHA, CN
[72] ZHANG, ENGE, CN
[72] LI, JIN, CN
[71] PHARMABLOCK SCIENCES (NANJING), INC., CN
[85] 2022-10-21
[86] 2021-04-25 (PCT/CN2021/089486)
[87] (WO2021/213521)
[30] CN (202010335713.9) 2020-04-25

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[13] A1
[51] **Int.Cl. B41J 2/165 (2006.01) B41J 2/19 (2006.01)**
[25] EN
[54] **INKJET INK SYSTEM FOR HANDLING HIGH SOLID PARTICLES LOADED INKS**
[54] **SYSTEME D'IMPRESSION A JET D'ENCRE POUR MANIPULATION D'ENCRES CHARGEES DE PARTICULES SOLIDES ELEVEES**
[72] DORVAT, MICHAEL, IL
[72] KIFFEL, YANIV, IL
[72] LEWARTOWSKI, ARNON, IL
[72] SUCHOI, OREN, IL
[72] HARUSH, OMRI BEN, IL
[72] MIKLATZKY, EFRAIM, IL
[71] FERRO COPORATION, US
[85] 2022-10-21
[86] 2021-05-19 (PCT/US2021/033270)
[87] (WO2021/236849)

[21] **3,176,495**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **BINDING AGENTS AND USES THEREOF FOR CENTRAL NERVOUS SYSTEM DELIVERY**
[54] **AGENTS DE LIAISON ET LEURS UTILISATIONS POUR L'ADMINISTRATION AU SYSTEME NERVEUX CENTRAL**
[72] STICE, STEVEN L., US
[72] SWETENBURG, RAYMOND, US
[71] ARUNA BIO, INC., US
[85] 2022-10-21
[86] 2021-04-27 (PCT/US2021/029455)
[87] (WO2021/222295)
[30] US (63/015,936) 2020-04-27

[21] **3,176,497**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **ANTXR1 AS A BIOMARKER OF IMMUNOSUPPRESSIVE FIBROBLAST POPULATIONS AND ITS USE FOR PREDICTING RESPONSE TO IMMUNOTHERAPY**
[54] **ANTXR1 COMME BIOMARQUEUR DE POPULATIONS DE FIBROBLASTES IMMUNOSUPPRESSEURS ET SON UTILISATION POUR PREDIRE LA REPONSE A L'IMMUNOTHERAPIE**
[72] MECHTA-GRIGORIOU, FATIMA, FR
[72] KIEFFER, YANN, FR
[72] VINCENT-SALOMON, ANNE, FR
[72] HOCINE, RACHID HOCINE, US
[71] INSTITUT CURIE, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2022-10-21
[86] 2021-05-07 (PCT/EP2021/062090)
[87] (WO2021/224438)

[21] **3,176,498**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 31/18 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL COMBINATION FOR THE TREATMENT OF AIDS**
[54] **NOUVELLE COMBINAISON POUR LE TRAITEMENT DU SIDA**
[72] ZAGURY, DANIEL, FR
[71] 21C BIO, FR
[85] 2022-10-21
[86] 2021-04-23 (PCT/EP2021/060738)
[87] (WO2021/214321)
[30] US (16/857,715) 2020-04-24
[30] EP (20305405.1) 2020-04-24

[21] **3,176,499**
[13] A1
[51] **Int.Cl. G01T 1/36 (2006.01)**
[25] EN
[54] **A FIXED IN-CORE DETECTOR DESIGN USING SIC SCHOTTKY DIODES CONFIGURED WITH A HIGH AXIAL AND RADIAL SENSOR DENSITY AND ENHANCED FISSION GAMMA MEASUREMENT SENSITIVITY**
[54] **MODELE DE DETECTEUR DU C?UR FIXE UTILISANT DES DIODES SCHOTTKY AU SIC CONCU AVEC UNE DENSITE DE CAPTEUR AXIALE ET RADIALE ELEVEE ET UNE SENSIBILITE DE MESURE DE RAYONS GAMMA DE FISSION AMELIORE**
[72] HEIBEL, MICHAEL D., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-10-21
[86] 2021-04-22 (PCT/US2021/028543)
[87] (WO2021/216805)
[30] US (63/013,859) 2020-04-22

[21] **3,176,501**
[13] A1
[51] **Int.Cl. A47G 25/90 (2006.01) A61F 13/08 (2006.01)**
[25] EN
[54] **ASSEMBLY, DEVICE, SYSTEM AND METHOD FOR DONNING A COMPRESSIVE GARMENT**
[54] **ENSEMBLE, DISPOSITIF, SYSTEME ET PROCEDE D'ENFILAGE D'UN VETEMENT DE COMPRESSION**
[72] MAURICE, INGMAR CHRISTIAAN, NL
[72] ARIENS, DANIEL ERIC, NL
[72] VAN DER VEGT, HERMAN, NL
[71] THEHELPSOQ HOLDING B.V., NL
[85] 2022-10-21
[86] 2021-03-15 (PCT/NL2021/050174)
[87] (WO2021/221494)
[30] NL (2025439) 2020-04-28

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[13] A1
[51] **Int.Cl. A47G 25/36 (2006.01) B31D 5/02 (2017.01)**
[25] EN
[54] **METHOD FOR PRODUCING HANGERS AND SIMILAR DEVICES FOR CLOTHING SUPPORT, COMPRISING AT LEAST ONE CONCAVE AREA, STARTING FROM A FLAT LAYER OF PAPER MATERIAL**
[54] **PROCEDE DE PRODUCTION DE CINTRES ET DE DISPOSITIFS SIMILAIRES POUR LE SUPPORT DE VETEMENTS, COMPRENANT AU MOINS UNE ZONE CONCAVE, A PARTIR D'UNE COUCHE PLATE DE MATERIAU DE PAPIER**
[72] MAINETTI, MARIO, IT
[71] MAINETTI S.P.A., IT
[85] 2022-10-21
[86] 2021-05-06 (PCT/EP2021/062059)
[87] (WO2021/228693)
[30] IT (102020000010495) 2020-05-11

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[13] A1
[51] **Int.Cl. C07K 11/00 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ENGINEERED CENTRAL NERVOUS SYSTEM COMPOSITIONS**
[54] **COMPOSITIONS DE SYSTEME NERVEUX CENTRAL GENETIQUEMENT MODIFIEES**
[72] SABETI, PARDIS, US
[72] TABEBORDBAR, MOHAMMADSHARIF, US
[72] YE, SIMON, US
[71] THE BROAD INSTITUTE, INC., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2022-10-21
[86] 2021-04-30 (PCT/US2021/030298)
[87] (WO2021/222831)
[30] US (63/019,221) 2020-05-01
[30] US (63/061,517) 2020-08-05

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[13] A1
[51] **Int.Cl. A61L 2/08 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **RADIATION-BASED DISINFECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DESINFECTION A BASE DE RAYONNEMENT**
[72] BARFETT, JOSEPH JOHN, CA
[72] SCAUNASU, BOGDAN ROBERT, CA
[72] SETTINO, MARC ALFRED, CA
[72] VALAEE, SHAHROKH, CA
[71] NEURAVIOLET INC., CA
[85] 2022-10-21
[86] 2020-11-27 (PCT/CA2020/051635)
[87] (WO2021/212205)
[30] US (63/015,066) 2020-04-24

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[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **FRAMEWORK FOR INTEGRATION OF GEO-INFORMATION EXTRACTION, GEO-REASONING AND GEOLOGIST-RESPONSIVE INQUIRIES**
[54] **CADRICIEL POUR L'INTEGRATION D'UNE EXTRACTION D'INFORMATIONS GEOGRAPHIQUES, D'UN RAISONNEMENT GEOGRAPHIQUE ET DE REQUETES INHERENTES A UN GEOLOGUE**
[72] XU, PENG, US
[72] DENLI, HUSEYIN, US
[72] DE WAELE, STIJN, US
[72] JOHNS, MARY K., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2022-10-21
[86] 2021-04-19 (PCT/US2021/070420)
[87] (WO2021/226614)
[30] US (62/704,357) 2020-05-06
[30] US (62/704,358) 2020-05-06
[30] US (63/198,438) 2020-10-19

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[13] A1
[51] **Int.Cl. H04N 11/20 (2006.01) H04N 19/126 (2014.01) H04N 19/136 (2014.01) H04N 19/186 (2014.01) H04N 19/192 (2014.01) H04N 19/85 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGE FORMAT CONVERSION USING 3D LOOKUP TABLE APPROXIMATION**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE FORMAT D'IMAGES PAR APPROXIMATION DE TABLE DE CORRESPONDANCE 3D**
[72] DIGGINS, JONATHAN, GB
[72] MEYER, CHARLES S., GB
[72] IVES, STEPHEN, GB
[71] GRASS VALLEY LIMITED, GB
[85] 2022-10-21
[86] 2021-04-22 (PCT/GB2021/050977)
[87] (WO2021/214474)
[30] US (63/013,967) 2020-04-22
[30] US (17/229,280) 2021-04-13

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[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C10G 1/00 (2006.01)**
[25] EN
[54] **IMPROVING THE BIO-CRUDE YIELDS, PROPERTIES AND PROCESSABILITY OF HYDROTHERMAL LIQUEFACTION FEEDSTOCKS USING YELLOW GREASE**
[54] **AMELIORATION DES RENDEMENTS DE BIO-BRUTS, DES PROPRIETES ET DE L'APTITUDE AU TRAITEMENT DE CHARGES D'ALIMENTATION DE LIQUEFACTION HYDROTHERMALE A L'AIDE DE GRAISSE JAUNE**
[72] SINGH, DEVINDER, CA
[72] ROBERTSON, GILLES, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-10-21
[86] 2021-04-28 (PCT/IB2021/053511)
[87] (WO2021/220181)
[30] US (63/016,632) 2020-04-28

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[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/233 (2011.01) H04N 21/236 (2011.01) H04N 21/2365 (2011.01) H04N 21/2368 (2011.01) H04N 21/242 (2011.01) H04N 21/43 (2011.01) H04N 21/434 (2011.01) H04N 21/81 (2011.01)**
[25] EN
[54] **SYSTEM FOR JITTER RECOVERY FROM A TRANSCODER**
[54] **SYSTEME DE RECUPERATION DE GIGUE A PARTIR D'UN TRANSCODEUR**
[72] VAN VELDHUISEN, BRENDA LEA, US
[72] NEMIROFF, ROBERT S., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-10-21
[86] 2021-04-19 (PCT/US2021/028014)
[87] (WO2021/221946)
[30] US (63/016,502) 2020-04-28

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[51] **Int.Cl. A61L 2/08 (2006.01)**
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[54] **SYSTEM AND METHOD FOR DISINFECTING A VOLUME IN SPACE**
[54] **SYSTEME ET PROCEDE POUR DESINFECTER UN VOLUME DANS L'ESPACE**
[72] BARFETT, JOSEPH JOHN, CA
[71] NEURAVIOLET INC., CA
[85] 2022-10-21
[86] 2021-04-23 (PCT/CA2021/050556)
[87] (WO2021/212231)
[30] US (63/015,066) 2020-04-24
[30] CA (PCT/CA2020/051635) 2020-11-27

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[13] A1
[51] **Int.Cl. G01S 7/497 (2006.01) G01S 17/08 (2006.01) G01S 17/88 (2006.01)**
[25] EN
[54] **CALIBRATION OF A DISTANCE AND RANGE MEASUREMENT DEVICE**
[54] **ETALONNAGE D'UN DISPOSITIF DE MESURE DE DISTANCE ET DE PORTEE**
[72] THEOS, SEBASTIAN, US
[71] CROWN EQUPMENT CORPORATION, US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028758)
[87] (WO2021/216946)
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[51] **Int.Cl. C07K 14/55 (2006.01) A61K 47/60 (2017.01)**
[25] EN
[54] **HUMAN INTERLEUKIN-2 CONJUGATES BIASED FOR THE INTERLEUKIN-2 RECEPTOR BETA GAMMAC DIMER AND CONJUGATED TO A NONPEPTIDIC, WATER-SOLUBLE POLYMER**
[54] **CONJUGUES INTERLEUKINE-2 HUMAIN POLARISES POUR LE DIMERE BETA GAMMAC DE RECEPTEUR INTERLEUKINE-2 ET CONJUGUES A UN POLYMERE NON PEPTIDIQUE SOLUBLE DANS L'EAU**
[72] ABRAHAMS, CRISTINA, US
[72] BOWMAN, EDWARD, US
[72] LI, XIAOFAN, US
[72] LIN, SONGNIAN, US
[72] SOLIS, WILLY, US
[72] STAFFORD, RYAN, US
[72] WILLINGHAM, AARRON, US
[72] YAM, ALICE, US
[72] YANG, JUNHAO, US
[72] YIN, GANG, US
[71] MERCK SHARP & DOHME LLC, US
[85] 2022-10-21
[86] 2021-04-20 (PCT/US2021/028054)
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[25] EN
[54] **SYSTEM FOR PRESENTATION TIME STAMP RECOVERY FROM A TRANSCODER**
[54] **SYSTEME DE RECUPERATION D'ESTAMPILLE TEMPORELLE DE PRESENTATION A PARTIR D'UN TRANSCODEUR**
[72] VAN VELDHUISEN, BRENDA LEA, US
[72] NEMIROFF, ROBERT S., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-10-21
[86] 2021-04-19 (PCT/US2021/028010)
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[30] US (63/016,496) 2020-04-28

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[51] **Int.Cl. C07K 16/10 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING VIRUS-ASSOCIATED INFLAMMATION**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UNE INFLAMMATION ASSOCIEE A UN VIRUS**
[72] KEANE, ROBERT W., US
[72] DIETRICH, W. DALTON, US
[72] VACCARI, JUAN PABLO DE RIVERO, US
[72] BRAMBILLA, ROBERTA, US
[72] BRAMLETT, HELEN M., US
[71] UNIVERSITY OF MIAMI, US
[71] KEANE, ROBERT W., US
[71] DIETRICH, W. DALTON, US
[71] VACCARI, JUAN PABLO DE RIVERO, US
[71] BRAMBILLA, ROBERTA, US
[71] BRAMLETT, HELEN M., US
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[86] 2021-04-23 (PCT/US2021/028847)
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[30] US (16/856,407) 2020-04-23

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[51] **Int.Cl. A24F 40/51 (2020.01) A24F 40/53 (2020.01) A24F 40/10 (2020.01) A24F 40/48 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE WITH A FLOW RATE SENSOR**
[54] **DISPOSITIF DE GENERATION D'AEROSOL AVEC UN CAPTEUR DE DEBIT**
[72] WRIGHT, ALEC, GB
[72] ROGAN, ANDREW ROBERT JOHN, GB
[71] JT INTERNATIONAL SA, CH
[85] 2022-10-21
[86] 2021-06-21 (PCT/EP2021/066860)
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[30] EP (20182373.9) 2020-06-25

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[51] **Int.Cl. A61K 38/47 (2006.01) C09K 8/00 (2006.01) C11D 3/386 (2006.01) C11D 7/42 (2006.01) D21C 9/00 (2006.01)**
[25] EN
[54] **BETA-AMYLASE VARIANTS**
[54] **VARIANTS DE BETA-AMYLASE**
[72] URBINA, HUGO, US
[72] CHANG, KRISTINE W., US
[72] TRAN, TUAN, US
[72] LOWE, GINA NING LEE, US
[72] HUSTON DAVENPORT, ADRIENNE, US
[72] TAN, XUQIU, US
[72] LI, TONG, US
[72] JENEWEIN, STEFAN, DE
[72] SEEMAYER, STEFAN, DE
[72] KUTSCHER, JOCHEN, DE
[71] BASF SE, DE
[85] 2022-10-21
[86] 2020-04-21 (PCT/US2020/029122)
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[30] US (62/837,328) 2019-04-23

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[51] **Int.Cl. A61K 31/136 (2006.01) A61K 31/137 (2006.01) A61K 31/225 (2006.01) A61K 31/277 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING INFLAMMASOME RELATED DISEASES OR CONDITIONS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE MALADIES OU DE TROUBLES LIES AUX INFLAMMASOMES**
[72] VACCARI, JUAN PABLO DE RIVERO, US
[72] KEANE, ROBERT W., US
[72] DIETRICH, W. DALTON, US
[71] UNIVERSITY OF MIAMI, US
[71] VACCARI, JUAN PABLO DE RIVERO, US
[71] KEANE, ROBERT W., US
[71] DIETRICH, W. DALTON, US
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[51] **Int.Cl. A61K 35/32 (2015.01) C12N 5/077 (2010.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/40 (2006.01) A61L 27/58 (2006.01) A61P 19/08 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHOD FOR CULTURING CELL POPULATION CONTAINING CARTILAGE-DERIVED TIE2-POSITIVE CELLS AND USE OF SAID METHOD**
[54] **PROCEDE DE CULTURE D'UNE POPULATION CELLULAIRE CONTENANT DES CELLULES POSITIVES TIE2 DERIVEES DU CARTILAGE, ET UTILISATION DUDIT PROCEDE**
[72] SAKAI, DAISUKE, JP
[72] NAKAMURA, YOSHIHIKO, JP
[72] MATSUSHITA, ERIKA, JP
[71] TOKAI UNIVERSITY EDUCATIONAL SYSTEM, JP
[71] NIPPON ZOKI PHARMACEUTICAL CO., LTD., JP
[85] 2022-10-21
[86] 2021-04-26 (PCT/JP2021/016563)
[87] (WO2021/220997)
[30] JP (2020-078504) 2020-04-27

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[51] **Int.Cl. A61K 31/4188 (2006.01) A61K 47/50 (2017.01) A61K 47/59 (2017.01) A61K 45/06 (2006.01) A61P 9/10 (2006.01) A61P 25/28 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING DENDRIMERS AND THERAPEUTIC AGENTS**
[54] **COMPOSITIONS ET METHODES COMPRENANT DES DENDRIMERES ET DES AGENTS THERAPEUTIQUES**
[72] KANNAN, SUJATHA, US
[72] RAIS, RANA, US
[72] RANGARAMANUJAM, KANNAN, US
[72] SHARMA, ANJALI, US
[72] SLUSHER, BARBARA, US
[72] TALLON, CAROLYN, US
[72] THOMAS, AJIT, US
[72] PANDEY, RANJEEV KUMAR, US
[72] POWELL, JONATHAN, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028971)
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[30] US (63/015,118) 2020-04-24

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[51] **Int.Cl. A47K 10/32 (2006.01) A47K 5/06 (2006.01) E05B 17/04 (2006.01)**
[25] EN
[54] **OVERLOAD PROTECTION FOR A LOCK STRUCTURE**
[54] **PROTECTION CONTRE LES SURCHARGES POUR STRUCTURE DE SERRURE**
[72] HENSON, MARK W., US
[72] MOLLER, PER, SE
[72] WALHEIM, KARL, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2022-10-21
[86] 2020-06-22 (PCT/SE2020/050643)
[87] (WO2021/262047)

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[51] **Int.Cl. C07D 213/16 (2006.01) C07C 275/26 (2006.01) C07D 239/24 (2006.01)**
[25] EN
[54] **SPIROUREA DERIVATIVES**
[54] **DERIVES SPIROS D'UREE**
[72] BEZENCON, OLIVIER, CH
[72] DEYMIER, CAROLINE, CH
[72] PETERS, JENS-UWE, CH
[72] SIEGRIST, ROMAIN, CH
[72] SURIVET, JEAN-PHILIPPE, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2022-10-21
[86] 2021-04-27 (PCT/EP2021/060918)
[87] (WO2021/219594)
[30] EP (PCT/EP2020/061911) 2020-04-29

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[13] A1
[51] **Int.Cl. C07K 14/165 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **BETACORONAVIRUS PROPHYLAXIS AND THERAPY**
[54] **PROPHYLAXIE ET TRAITEMENT ANTI-BETACORONAVIRUS**
[72] FREDRIKSEN, AGNETE BRUNSVIK, NO
[72] SEKELJA, MONIKA, NO
[72] SCHJETNE, KAROLINE, NO
[72] NORHEIM, GUNNSTEIN, NO
[72] STUBSRUD, ELISABETH, NO
[71] NYKODE THERAPEUTICS ASA, NO
[85] 2022-10-21
[86] 2021-05-03 (PCT/EP2021/061602)
[87] (WO2021/219897)
[30] DK (PA 2020 70282) 2020-05-01
[30] DK (PA 2020 70293) 2020-05-06
[30] DK (PA 2020 70735) 2020-11-05
[30] DK (PA 2020 70820) 2020-12-08
[30] DK (PA 2021 70069) 2021-02-15

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[51] **Int.Cl. B28B 7/34 (2006.01) C08K 3/013 (2018.01) B29C 33/38 (2006.01) B29C 35/08 (2006.01) B29C 35/12 (2006.01) B32B 25/02 (2006.01) B32B 25/10 (2006.01) B32B 25/16 (2006.01) C08K 3/36 (2006.01)**
[25] EN
[54] **MOULDING TRAY FOR MANUFACTURING SLABS MADE OF AGGLOMERATE MATERIAL, METHOD FOR REALIZING SUCH MOULDING TRAY AND METHOD FOR MANUFACTURING SLABS MADE OF AGGLOMERATE MATERIAL**
[54] **PLATEAU DE MOULAGE POUR LA FABRICATION DE DALLES CONSTITUEES DE MATERIAU AGGLOMERE, PROCEDE DE REALISATION D'UN TEL PLATEAU DE MOULAGE ET PROCEDE DE FABRICATION DE DALLES DE MATERIAU AGGLOMER**
[72] TONCELLI, DARIO, IT
[71] TONCELLI, DARIO, IT
[85] 2022-10-21
[86] 2021-04-20 (PCT/IB2021/053231)
[87] (WO2021/214644)
[30] IT (102020000008953) 2020-04-24

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[13] A1
[51] **Int.Cl. H04Q 11/00 (2006.01)**
[25] EN
[54] **SIGNAL FRAME PROCESSING METHOD AND RELATED DEVICE**
[54] **PROCEDE DE TRAITEMENT DE TRAME DE SIGNAL ET DISPOSITIF ASSOCIE**
[72] SU, WEI, CN
[72] CHEN, YUJIE, CN
[72] SUN, LIANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-10-21
[86] 2021-04-14 (PCT/CN2021/087175)
[87] (WO2021/213225)
[30] CN (202010322079.5) 2020-04-22

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[13] A1
[51] **Int.Cl. C07C 319/22 (2006.01) C07C 319/28 (2006.01) C07C 323/59 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING N,N-DIACETYL-L-CYSTINE DISODIUM SALT FROM CYSTINE AND ACETYL CHLORIDE IN METHANOL IN THE PRESENCE OF SODIUM HYDROXIDE**
[54] **PROCEDE DE PRODUCTION DU SEL DISODIQUE DE N,N-DIACETYL-L-CYSTINE A PARTIR DE CYSTINE ET DE CHLORURE D'ACETYLE DANS DU METHANOL EN PRESENCE D'HYDROXYDE DE SODIUM**
[72] ROSA, JOSE GUILLERMO, US
[72] HARICHIAN, BIJAN, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-10-21
[86] 2021-04-14 (PCT/EP2021/059652)
[87] (WO2021/219377)
[30] EP (20171852.5) 2020-04-28

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A23L 33/175 (2016.01) A23L 33/18 (2016.01)**
[25] FR
[54] **KERATIN HYDROLYSATE HIGH IN FREE AMINO ACIDS AND HIGH IN FREE TYROSINE, METHOD FOR OBTAINING AND USING SAME FOR ANIMAL FEED AND PLANT NUTRITION**
[54] **HYDROLYSAT DE KERATINE A HAUTES TENEURS EN ACIDES AMINES LIBRES ET HAUTE TENEUR EN TYROSINE LIBRE, PROCEDE D'OBTENTION ET UTILISATION POUR L'ALIMENTATION ANIMALE ET LA NUTRITION VEGETALE**
[72] BROIN, ETIENNE, FR
[72] DUPERRAY, JOEL, FR
[72] SOULARD, JEAN-PHILIPPE, FR
[72] SERGHERAERT, RENAUD, FR
[71] BRETAGNE CHIMIE FINE, FR
[85] 2022-10-21
[86] 2021-05-05 (PCT/EP2021/061812)
[87] (WO2021/224310)
[30] FR (2004564) 2020-05-07

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[13] A1
[51] **Int.Cl. C07C 319/20 (2006.01) C07C 323/25 (2006.01) C07C 323/59 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING N,N'-DIACETYL-L-CYSTINE**
[54] **PROCEDE DE PRODUCTION DE N,N'-DIACETYL-L-CYSTINE**
[72] ROSA, JOSE GUILLERMO, US
[72] HARICHIAN, BIJAN, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-10-21
[86] 2021-04-14 (PCT/EP2021/059650)
[87] (WO2021/219375)
[30] EP (20171854.1) 2020-04-28

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[13] A1
[51] **Int.Cl. B64D 33/08 (2006.01) B64C 27/04 (2006.01) B64D 33/10 (2006.01)**
[25] EN
[54] **AIRCRAFT CAPABLE OF HOVERING**
[54] **AERONEF PERMETTANT UN VOL STATIONNAIRE**
[72] BRAGHIROLI, MARCO, IT
[72] CANTA, ENRICO, IT
[71] LEONARDO S.P.A., IT
[85] 2022-10-21
[86] 2021-04-27 (PCT/IB2021/053459)
[87] (WO2021/220154)
[30] EP (20171458.1) 2020-04-27

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[13] A1
[51] **Int.Cl. A01N 63/30 (2020.01) A01N 63/22 (2020.01) A01N 63/38 (2020.01) A01P 21/00 (2006.01) C09K 17/00 (2006.01)**
[25] EN
[54] **MICROBIAL COMBINATIONS FOR ENHANCED CROP YIELDS**
[54] **COMBINAISONS MICROBIENNES POUR RENDEMENTS DE RECOLTE AMELIORES**
[72] ZORNER, PAUL S., US
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[71] LOCUS AGRICULTURE IP COMPANY, LLC, US
[85] 2022-10-21
[86] 2021-04-30 (PCT/US2021/030045)
[87] (WO2021/222676)
[30] US (63/017,970) 2020-04-30

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[13] A1
[51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/53 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATING BLOOD CANCER USING 4'-THIO-5-AZA-2'-DEOXYCYTIDINE AND USES THEREOF**
[54] **COMPOSITION DESTINEE AU TRAITEMENT DE CANCER DU SANG A L'AIDE DE 4'-THIO-5-AZA-2'-DESOXYCYTIDINE ET SES UTILISATIONS**
[72] SUTO, MARK J., US
[72] BOOHAKER, REBECCA, US
[72] JUNG, DOO YOUNG, KR
[72] LEE, JIN SOO, KR
[72] CHO, HYUNYONG, KR
[71] SOUTHERN RESEARCH INSTITUTE, US
[71] PINOTBIO, INC., KR
[85] 2022-10-21
[86] 2021-04-22 (PCT/US2021/028726)
[87] (WO2021/216936)
[30] US (63/014,346) 2020-04-23

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01) A61K 47/54 (2017.01) C07D 277/02 (2006.01)**
[25] EN
[54] **GPER PROTEOLYTIC TARGETING CHIMERAS**
[54] **CHIMERES DE CIBLAGE PROTEOLYTIQUE GPER**
[72] ROUHIMOGHADAM, MILAD, US
[72] SALEM, ALIASGER K., US
[72] FILARDO, EDWARD J., US
[72] LU, ANH S., US
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2022-10-21
[86] 2021-04-23 (PCT/US2021/028900)
[87] (WO2021/217036)
[30] US (63/014,410) 2020-04-23
[30] US (63/144,783) 2021-02-02

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[13] A1
[51] **Int.Cl. A01N 25/34 (2006.01) A61K 31/194 (2006.01) A61K 31/198 (2006.01) A61K 31/205 (2006.01) A61K 31/718 (2006.01) A61K 31/787 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **ANTIVIRAL AND ANTIBACTERIAL COMPOSITION**
[54] **COMPOSITION ANTIVIRALE ET ANTIBACTERIENNE**
[72] FARHA, SAID, CH
[72] FARHA, KAMAL, US
[72] HUTCHINSON, GERALD A., US
[72] NELSON, BRADLEY J., CH
[72] PANE VIDAL, SALVADOR, CH
[72] ERMAKOV, ALEXEI, US
[72] FRANCO PUJANTE, CARLOS, CH
[72] IZQUIERDO USEROS, NURIA, ES
[72] BLANCO ARBUES, JULIAN, ES
[71] CEDAR ADVANCED TECHNOLOGY GROUP LTD., CH
[85] 2022-10-21
[86] 2021-04-22 (PCT/EP2021/060580)
[87] (WO2021/214249)
[30] US (63/014,540) 2020-04-23
[30] US (63/036,317) 2020-06-08
[30] US (63/058,407) 2020-07-29

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[13] A1
[51] **Int.Cl. A23L 7/10 (2016.01) A23K 10/30 (2016.01)**
[25] EN
[54] **LONG LASTING EDIBLE CHEW**
[54] **JOUET A MACHER COMESTIBLE A LONGUE DUREE DE VIE**
[72] HOKE, JOLENE, US
[72] MEYER, JASON, US
[72] NIEHUES, ROBERT, US
[72] STUCKY, ROCKLYN, US
[72] TEDMAN, PAUL, US
[71] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2022-10-24
[86] 2021-04-22 (PCT/US2021/028620)
[87] (WO2021/216854)
[30] US (63/014,563) 2020-04-23

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[13] A1
[51] **Int.Cl. A61N 1/39 (2006.01)**
[25] EN
[54] **PORTABLE AED CASE**
[54] **BOITIER PORTATIF POUR DEA**
[72] HALMANS, RUBEN, NL
[72] ANDERSSON, FREDRIK, SE
[71] TRISULT HOLDING B.V., NL
[85] 2022-10-24
[86] 2021-04-26 (PCT/EP2021/060833)
[87] (WO2021/219546)
[30] EP (20171620.6) 2020-04-27

[21] **3,176,589**
[13] A1
[51] **Int.Cl. C21B 13/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING REDUCED IRON**
[54] **PROCEDE DE PRODUCTION DE FER REDUIT**
[72] INADA, TAKANOBU, JP
[72] MIZUTANI, MORITOSHI, JP
[72] UJISAWA, YUTAKA, JP
[72] YASUDA, NAOTO, JP
[72] FUNAGANE, HITOSHI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2022-10-24
[86] 2021-05-14 (PCT/JP2021/018391)
[87] (WO2021/241272)
[30] JP (2020-093139) 2020-05-28

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[13] A1
[51] **Int.Cl. B08B 9/043 (2006.01) B08B 9/045 (2006.01)**
[25] EN
[54] **PYROLYSIS VAPOUR CONDENSER SYSTEM AND METHOD OF CONDENSING PYROLYSIS VAPOUR**
[54] **SYSTEME DE CONDENSATION DE VAPEUR DE PYROLYSE ET PROCEDE DE CONDENSATION DE VAPEUR DE PYROLYSE**
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[72] GANSEKOELE, ELWIN, NL
[71] BTG BIOLIQUIDS B.V., NL
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[54] **METHODS AND SYSTEMS FOR RECOVERY OF VALUABLE TARGET SPECIES FROM BRINE SOLUTIONS**
[54] **PROCEDES ET SYSTEMES POUR LA RECUPERATION D'ESPECES CIBLES DE VALEUR A PARTIR DE SOLUTIONS DE SAUMURE**
[72] IRELAND, IAN, CA
[71] PRAIRIE LITHIUM CORPORATION, CA
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[54] **REPEAT DOSING OF HYPOIMMUNOGENIC CELLS**
[54] **DOSAGE REPETE DE CELLULES HYPOIMMUNOGENES**
[72] SCHREPFER, SONJA, US
[71] SANA BIOTECHNOLOGY, INC., US
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[54] **ENDOTRACHEAL TUBE CUFF WITH INTEGRATED SENSORS**
[54] **MANCHON DE TUBE ENDOTRACHEAL AVEC CAPTEURS INTEGRES**
[72] NIENABER, THOMAS, US
[72] VILLAFRANCA, ADRIA ABELLA, US
[72] SEXTON, KEVIN, US
[72] SANFORD, JOSEPH, US
[72] PEREZ, SARAH, US
[71] BIOVENTURES, LLC., US
[71] ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE, US
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[54] **DISPOSITIF DE PROTECTION POUR SYSTEME DE CONDUIT ELECTRIQUE**
[72] SANTORO, NICHOLAS ADAM, US
[72] MINSKI, CHRISTOPHER JOHN, US
[71] HUBBELL CORPORATED, US
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[54] **BICYCLE FRAME AND METHOD FOR MANUFACTURING**
[54] **CADRE DE BICYCLETTE ET PROCEDE DE FABRICATION**
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[72] SIMONS, ROBBE, BE
[71] REIN4CED NV, BE
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[54] **INCRUSTATIONS D'IDENTIFICATION PAR RADIOFREQUENCE (RFID) DESTINEES A ETRE UTILISEES AVEC DES DISPOSITIFS D'INJECTION MEDICAUX**
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[72] EUVRARD, NICOLAS, US
[72] RIVIER, CEDRIC, FR
[72] LE DIMET, GWENN, FR
[72] MARECHAL, DAMIEN, FR
[72] VASQUEZ, THIERRY, FR
[71] BECTON, DICKINSON AND COMPANY, US
[71] BECTON DICKINSON FRANCE, FR
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[54] **THERAPIE PAR LYMPHOCYTES T**
[72] PEGGS, KARL, GB
[71] ACHILLES THERAPEUTICS UK LIMITED, GB
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[54] **ULTRA-LOW ZEOLITE CONTENT FCC CATALYST IN-SITU CRYSTALLIZATION**
[54] **CRISTALLISATION IN SITU D'UN CATALYSEUR FCC A TENEUR EN ZEOLITHE ULTRA-FAIBLE**
[72] WEI, JUNMEI, US
[72] FAVATE, NICHOLAS ROBERT, US
[72] RICE, SAMANTHA L., US
[72] DORAZIO, LUCAS, US
[71] BASF CORPORATION, US
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[54] **RADAR APPARATUS COMPRISING MULTIPLE ANTENNAS**
[54] **APPAREIL RADAR COMPRENANT PLUSIEURS ANTENNES**
[72] COHEN, MOSHIK MOSHE, IL
[72] AVARGEL, YEKUTIEL, IL
[71] WISENSE TECHNOLOGIES LTD., IL
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[54] **SYSTEMS AND METHODS FOR AUTOMATED SELECTION OF STANDING SETTLEMENT INSTRUCTIONS**
[54] **SYSTEMES ET PROCEDES DE SELECTION AUTOMATISEE D'INSTRUCTIONS DE TRANSACTION PERMANENTE**
[72] HOLLEBRANDSE, FLORENZ ALLEWIJN PIETER, US
[72] SAMPATH, KOUSHIK KUMAR, US
[71] JPMORGAN CHASE BANK, N.A., US
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[54] **DATA PACKET PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE PAQUET DE DONNEES**
[72] CHENG, WEIQIANG, CN
[72] LI, HAN, CN
[72] DUAN, XIAODONG, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
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[54] **DEPLOIEMENT D'EQUIPEMENT DE TELEMETRIE ACOUSTIQUE**
[72] MASON, GUY HARVEY, SC
[72] TOLLEY, MARK CLIFTON, SC
[72] NORGATE, MATTHEW JOHN, SC
[72] TOLLEY, JESSE SAMUEL, SC
[71] ACOUSTIC DATA LIMITED, SC
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[54] **COMPOSES ET PROCEDES CIBLANT L'INTERLEUKINE-34**
[72] CHEDID, MARCIO, US
[72] OBUNGU, VICTOR H., US
[72] SKORA, ANDREW DIXON, US
[72] YE, MING, US
[71] ELI LILLY AND COMPANY, US
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[54] **MOLECULE TRONQUEE DE DOMAINE EXTRACELLULAIRE TGF?R2, PROTEINE DE FUSION D'UNE MOLECULE TRONQUEE DE DOMAINE EXTRACELLULAIRE TGF?R2 ET ANTICORPS ANTI-EGFR, ET UTILISATION ANTITUMORALE D'UNE PROTEINE DE FUSIO**
[72] XIE, LIANGZHI, CN
[72] SUN, CHUNYUN, CN
[72] GUO, ERHONG, CN
[71] SINOCELLTECH LTD., CN
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[54] **PAN-ELR+ CXC CHEMOKINE ANTIBODIES FOR THE TREATMENT OF RESPIRATORY DISEASE**
[54] **ANTICORPS DE CHIMIOKINE PAN-ELR+ CXC POUR LE TRAITEMENT D'UNE MALADIE RESPIRATOIRE**
[72] PATEL, DIPAK, US
[72] WITCHER, DERRICK R., US
[72] WOODMAN, MICHAEL E., US
[71] ELI LILLY AND COMPANY, US
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[54] **LACHNOSPIRACEAE SP. CAS12A MUTANTS WITH ENHANCED CLEAVAGE ACTIVITY AT NON-CANONICAL TTTT PROTOSPACER ADJACENT MOTIFS**
[54] **MUTANTS DE CAS12A A PARTIR DE LACHNOSPIRACEAE SP, A ACTIVITE DE CLIVAGE AMELIOREE AU NIVEAU DE MOTIFS ADJACENTS DE PHOTOESPACEUR TTTT NON CANONIQUE**
[72] ZHANG, LIYANG, US
[72] VAKULSKAS, CHRISTOPHER ANTHONY, US
[71] INTEGRATED DNA TECHNOLOGIES, INC., US
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[54] **VECTEURS ET METHODES DE TRANSDUCTION IN VIVO**
[72] JOLLY, DOUGHLAS J., US
[72] OSTERTAG, DEREK G., US
[72] KASAHARA, NORIYUKI, US
[72] IBANEZ, CARLOS, US
[72] BENTLEY, CORNELIA A., US
[72] HUSAIN, MOHD MUSHTAQ, US
[71] ABINTUS BIO, INC., US
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[54] **METHOD AND SYSTEM FOR EXTRACTING METHANE GAS, CONVERTING THE GAS TO CLATHRATES, AND TRANSPORTING THE GAS FOR USE**
[54] **PROCEDE ET SYSTEME D'EXTRACTION DE GAZ METHANE, DE CONVERSION DU GAZ EN CLATHRATES ET DE TRANSPORT DU GAZ POUR UTILISATION**
[72] KEZIRIAN, MICHAEL T., US
[71] KEZIRIAN, MICHAEL T., US
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[54] **SYSTEM FOR CONTROLLING HOT WATER CYLINDERS**
[54] **SYSTEME DE CONTROLE DE CYLINDRES A EAU CHAUDE**
[72] SANCHEZ MIRALLES, ALVARO, ES
[72] BOAL MARTIN-LARRAURI, JAIME, ES
[72] MARTIN MARTINEZ, FRANCISCO MARIA, ES
[72] MARTIN LOPO, MIGUEL MANUEL, ES
[72] RODRIGUEZ - MORCILLO GARCIA, CARLOS, ES
[72] VAZQUEZ BLANCO, ANTONIO, ES
[71] STEMY ENERGY, S.L., ES
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[54] **SMART ELECTRICAL SOCKET WITH TEMPERATURE SENSOR**
[54] **PRISE INTELLIGENTE AVEC CAPTEUR DE TEMPERATURE**
[72] SANCHEZ MIRALLES, ALVARO, ES
[72] BOAL MARTIN-LARRAURI, JAIME, ES
[72] MARTIN MARTINEZ, FRANCISCO MARIA, ES
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[72] MARTIN LOPO, MIGUEL MANUEL, ES
[72] VAZQUEZ BLANCO, ANTONIO, ES
[71] STEMY ENERGY, S.L., ES
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[54] **MODIFIED RELEASE PHARMACEUTICAL FORMULATION COMPRISING HYDROXYPROPYL CELLULOSE**
[54] **FORMULATION PHARMACEUTIQUE A LIBERATION MODIFIEE COMPRENANT DE L'HYDROXYPROPYLCELLULOSE**
[72] XU, DAIQIANG, US
[72] CHAN, ANITA, US
[72] BATRA, AMOL, US
[72] CHEN, NINGYI NICK, US
[71] HERCULES LLC, US
[85] 2022-10-25
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[54] **ASSEMBLAGES DE MASQUES POUR INHALOTHERAPIE**
[72] TOMLINSON, MARK RICHARD, NZ
[72] TEBBUTT, ADAM ALEXANDER, NZ
[72] FREESTONE, PAUL MATHEW, NZ
[72] HAMMER, JEROEN, NZ
[72] SPEAR, TONY WILLIAM, NZ
[72] STEPHENSON, MATTHEW ROGER, NZ
[72] O'BRIEN, KATIE, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **COMPOUNDS CONTAINING BENZOSULTAM**
[54] **COMPOSES CONTENANT DU BENZOSULTAME**
[72] LIU, XILE, CN
[72] DING, CHARLES Z., CN
[72] CHEN, SHUHUI, CN
[72] HU, LIHONG, CN
[72] WAN, HAIWEN, CN
[72] JIANG, XIU, CN
[71] MEDSHINE DISCOVERY INC., CN
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[25] EN
[54] **PREDICTING SPHERICAL IRRADIANCE FOR VOLUME DISINFECTION**
[54] **PREDICTION DE L'ECLAIREMENT ENERGETIQUE SPHERIQUE DESTINE A LA DESINFECTION D'UN VOLUME**
[72] ASHDOWN, IAN EDWARD, CA
[71] SUNTRACKER TECHNOLOGIES LTD., CA
[85] 2022-11-02
[86] 2021-07-08 (PCT/CA2021/050935)
[87] (WO2022/006675)
[30] US (63/049,292) 2020-07-08
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[25] FR
[54] **COMPOUND AND COMPOSITION FOR INDUCING NEUROPROTECTION**
[54] **COMPOSE ET COMPOSITION POUR INDUIRE UNE NEUROPROTECTION**
[72] RUBINSTENN, GILLES, FR
[72] MAURICE, TANGUI, FR
[71] REST THERAPEUTICS, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE(INSERM), FR
[71] ECOLE PRATIQUE DES HAUTES ETUDES, FR
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[54] **IMAGING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'IMAGERIE**
[72] FRANK, AMIT, IL
[71] TERVIZIO 3D LTD., IL
[85] 2022-11-15
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[25] FR
[54] **METHOD FOR DETECTING A BETA-SHEET AGGREGATE FORM OF A PROTEIN FORMING BETA-SHEET AGGREGATES**
[54] **PROCEDE DE DETECTION D'UNE FORME AGREGEE EN FEUILLET BETA D'UNE PROTEINE FORMANT DES AGREGATS DE TYPE FEUILLET BETA**
[72] TRINQUET, ERIC J., FR
[72] AQUILINA, ALEXIS G., FR
[72] PRATLONG, MAUD E., FR
[71] CISBIO BIOASSAYS, FR
[85] 2022-11-16
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[54] **METHOD FOR PROPERTY FEATURE SEGMENTATION**
[54] **PROCEDE DE SEGMENTATION DE CARACTERISTIQUE DE PROPRIETE**
[72] RICHTER, FABIAN, US
[72] PORTAIL, MATTHIEU, US
[72] ERICKSON, JASON, US
[71] CAPE ANALYTICS, INC., US
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[72] BLANC, JEROME, FR
[71] ARKEMA FRANCE, FR
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[54] **FORMULATION LIQUIDE POUR STOCKAGE D'HYDROGENE**
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[71] ARKEMA FRANCE, FR
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[54] **MONITORING SYSTEM FOR MONITORING A SNOW LAYER ON A BUILDING ROOF**
[54] **SYSTEME DE SURVEILLANCE PERMETTANT DE SURVEILLER UNE COUCHE DE NEIGE SUR UN TOIT DE BATIMENT**
[72] FERCHICHI, ABDELRAHMANE, CA
[72] ATOUBI, AHMED, CA
[72] BOUTET, CHARLPHILLIP, CA
[72] BOUCHER, JONATHAN, CA
[71] TECHNOLOGIES DOMELY, CA
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[54] **AT-HOME KIT FOR PROSTATE CANCER SCREENING AND OTHER DISEASES**
[54] **KIT A DOMICILE POUR LE DEPISTAGE DU CANCER DE LA PROSTATE ET D'AUTRES MALADIES**
[72] LEONG, HON S., US
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
[85] 2022-12-01
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[51] **Int.Cl. G06T 11/00 (2006.01)**
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[54] **METHODS AND SYSTEMS FOR OPTIMAL TRANSPORT OF NON-LINEAR TRANSFORMATIONS**
[54] **PROCEDES ET SYSTEMES POUR LE TRANSPORT OPTIMAL DE TRANSFORMATIONS NON LINEAIRES**
[72] RISSER, ERIC ANDREW, DK
[71] UNITY IPR APS, DK
[85] 2022-12-01
[86] 2021-06-04 (PCT/EP2021/065072)
[87] (WO2021/245278)
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[54] **MONITORING LINER WEAR IN INDUSTRIAL MILLS**
[54] **SURVEILLANCE DE L'USURE DE CHEMISES DANS DES MOULINS INDUSTRIELS**
[72] SUN, ZHIGANG, CA
[72] WU, KUO-TING, CA
[72] HU, CHENG, CA
[72] KRUGER, SILVIO ELTON, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[25] EN
[54] **INDIRECT MEASUREMENT SYSTEM FOR IDENTIFYING THE POSITION, DENSITY AND PRESSURE OF AN UNDERGROUND LIQUID OR GASEOUS INTERFACE**
[54] **SYSTEME DE MESURE INDIRECTE SERVANT A DETERMINER LA POSITION, LA DENSITE ET LA PRESSION D'UNE INTERFACE LIQUIDE OU GAZEUSE SOUTERRAINE**
[72] MELKI, AHMED, CA
[72] KELOUWANI, SOUSSO, CA
[72] DUBE, YVES, CA
[72] AGBOSSOU, KODJO, CA
[71] 9380-1934 QUEBEC INC., CA
[85] 2022-11-14
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[25] EN
[54] **PLASTIC SPOUT AND POUCH PACKAGING**
[54] **BEC VERSEUR EN PLASTIQUE ET EMBALLAGE EN SACHET**
[72] VAN SPRONSEN, FREDERIK ADRIAAN, NL
[72] FIERE, JEROEN PIETER, NL
[72] VAN TUIL, JOHANNES WILHELMUS, ES
[71] SCHOLLE IPN IP B.V., NL
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[86] 2021-02-10 (PCT/EP2021/053217)
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[54] **MULTIPLE ANTIGENIC PEPTIDE AGAINST CORONAVIRUS AND IMMUNOSTIMULATING COMPOSITION CONTAINING THE SAME**
[54] **PEPTIDE ANTIGENIQUE MULTIPLE CONTRE LE CORONAVIRUS, ET COMPOSITION IMMUNOSTIMULANTE CONTENANT CELUI-CI**
[72] MASUDA, KENICHI, JP
[72] SAITO, TAKASHI, JP
[71] RIKEN, JP
[71] ANIMAL ALLERGY CLINICAL LABORATORIES INC., JP
[85] 2022-11-22
[86] 2021-05-21 (PCT/JP2021/019458)
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[25] EN
[54] **FRIED FOOD DISPOSAL TIME MANAGEMENT DEVICE, FRIED FOOD DISPOSAL TIME MANAGEMENT SYSTEM, AND FRIED FOOD DISPOSAL TIME MANAGEMENT METHOD**
[54] **DISPOSITIF DE GESTION DE TEMPS D'ENLEVEMENT DE NOURRITURE FRITE, SYSTEME DE GESTION DE TEMPS D'ENLEVEMENT DE NOURRITURE FRITE, ET PROCEDE DE GESTION DE TEMPS D'ENLEVEMENT DE NOURRITURE FRITE**
[72] KAKIMOTO, KENICHI, JP
[72] WATANABE, RYOHEI, JP
[72] INOUE, MASAMI, JP
[71] J-OIL MILLS, INC., JP
[85] 2022-11-22
[86] 2021-05-26 (PCT/JP2021/019950)
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[25] EN
[54] **METHOD FOR PRODUCING MASSES OF FOOD PIECES AND DEVICE FOR PRODUCING MASSES OF FOOD PIECES**
[54] **PROCEDE DE PRODUCTION DE MASSES DE MORCEAUX D'ALIMENT ET DISPOSITIF DE PRODUCTION DE MASSES DE MORCEAUX D'ALIMENT**
[72] OCHI, HITOSHI, JP
[72] ASAI, YUJI, JP
[72] MAKINO, SHINJI, JP
[71] NIPPON CAREER INDUSTRY CO., LTD., JP
[85] 2022-11-22
[86] 2021-05-28 (PCT/JP2021/020329)
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[30] JP (2020-096421) 2020-06-02
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[54] **A BATTERY CONNECTOR**
[54] **CONNECTEUR DE BATTERIE**
[72] BLAKSTAD, SVEIN EVEN, NO
[71] GRIFF AVIATION AS, NO
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[25] EN
[54] **ASSEMBLY FOR AUTOMATIC TAP ADJUSTMENT OF A POWER TRANSFORMER USING LOAD TAP CHANGER AND A METHOD**
[54] **ENSEMBLE POUR REGLAGE AUTOMATIQUE DE PRISE DE TRANSFORMATEUR DE PUISSANCE A L'AIDE DE CHANGEUR DE PRISE DE CHARGE ET PROCEDE ASSOCIE**
[72] HAKIM, SHAMAUN, US
[72] HERRERA JUAREZ, JESUS ANTONIO, US
[72] SHAIKH, AZAM ALI R., US
[71] WEG TRANSFORMERS USA LLC, US
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[86] 2022-04-04 (PCT/US2022/023306)
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF PHENYL KETONES**
[54] **PROCEDE DE PREPARATION DE PHENYLCETONES**
[72] MAYERHOEFFER, ULRICH, CH
[72] KIRCHNER, EVA, CH
[72] MEEMKEN, FABIAN, CH
[72] GIRARD, CHRISTOPHE, CH
[72] LECHNER, KAI, CH
[72] PAUNESCU, EMILIA, CH
[71] ARXADA AG, CH
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[86] 2021-08-16 (PCT/EP2021/072758)
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[25] FR
[54] **USE OF PRODUCTS MADE FROM ALUMINIUM COPPER MAGNESIUM ALLOY THAT PERFORM WELL AT HIGH TEMPERATURE**
[54] **UTILISATION DE PRODUITS EN ALLIAGE ALUMINIUM CUIVRE MAGNESIUM PERFORMANTS A HAUTE TEMPERATURE**
[72] LORENZINO, PABLO, FR
[72] DOLEGA, LUKASZ, FR
[71] CONSTELLIUM ISSOIRE, FR
[85] 2022-11-23
[86] 2021-05-31 (PCT/FR2021/050981)
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[51] **Int.Cl. B03D 1/02 (2006.01) C02F 1/24 (2006.01) C02F 1/52 (2006.01)**
[25] EN
[54] **SI REMOVAL FROM AQUEOUS STREAMS OF MINERALS PROCESSING PLANTS**
[54] **ELIMINATION DE SI A PARTIR DE COURANTS AQUEUX D'INSTALLATIONS DE TRAITEMENT DE MINERAIS**
[72] JANSSON, KAJ, FI
[72] SAARI, EIJA, FI
[71] METSO OUTOTEC FINLAND OY, FI
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[25] EN
[54] **POINT CLOUD DATA TRANSMISSION DEVICE, POINT CLOUD DATA TRANSMISSION METHOD, POINT CLOUD DATA RECEPTION DEVICE AND POINT CLOUD DATA RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION DE DONNEES DE NUAGE DE POINTS, PROCEDE DE TRANSMISSION DE DONNEES DE NUAGE DE POINTS, DISPOSITIF DE RECEPTION DE DONNEES DE NUAGE DE POINTS ET PROCEDE DE RECEPTION DE DONNEES DE NUAGE DE POINTS**
[72] OH, HYUNMOOK, KR
[72] OH, SEJIN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-11-23
[86] 2021-06-18 (PCT/KR2021/007649)
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[25] EN
[54] **ROTARY ELECTRICAL TRANSFORMER WITH PREFERRED LUBRICANT**
[54] **TRANSFORMATEUR ELECTRIQUE ROTATIF A LUBRIFIANT PREFERE**
[72] EMIGH, JONATHAN, US
[72] WISHART, RANDELL J., US
[72] EMIGH, JASON, US
[72] PORTER, RAY, US
[71] CR FLIGHT L.L.C., US
[85] 2022-11-23
[86] 2021-05-26 (PCT/US2021/034200)
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[54] **SYSTEM AND METHOD FOR IMPLANTABLE MUSCLE INTERFACE**
[54] **SYSTEME ET PROCEDE D'INTERFACE MUSCULAIRE IMPLANTABLE**
[72] GLASS, CONNOR, US
[72] THAKOR, NITISH V., US
[72] TUFFAHA, SAMI, US
[72] LOWE, ALEXIS, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
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[87] (WO2021/242775)
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[54] **PRECIPITATION REMOVAL FROM VIDEO**
[54] **ELIMINATION DE PRECIPITATIONS D'UNE VIDEO**
[72] RAMANATHAN, NARAYANAN, US
[72] EUBANKS, DANA, US
[72] BEACH, ALLISON, US
[71] OBJECTVIDEO LABS, LLC, US
[85] 2022-11-23
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[30] US (63/033,282) 2020-06-02
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[25] EN
[54] **ADMINISTRATION OF SEGMENTED FILAMENTOUS BACTERIA WITH A HUMIC SUBSTANCE**
[54] **ADMINISTRATION DE BACTERIES FILAMENTEUSES SEGMENTEES AVEC UNE SUBSTANCE HUMIQUE**
[72] STETZER, DOUGLAS A., US
[71] KENT CORPORATION, US
[85] 2022-11-23
[86] 2021-05-04 (PCT/US2021/030640)
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[30] US (63/031,190) 2020-05-28

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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/538 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION OF RUXOLITINIB WITH INCB057643 FOR TREATMENT OF MYELOPROLIFERATIVE NEOPLASMS**
[54] **COMBINAISON DE RUXOLITINIB AVEC INCB057643 POUR LE TRAITEMENT DE NEOPLASMES MYELOPROLIFERATIFS**
[72] STUBBS, MATTHEW, US
[72] LIU, PHILLIP C., US
[71] INCYTE CORPORATION, US
[85] 2022-11-23
[86] 2020-09-14 (PCT/US2020/050753)
[87] (WO2021/247064)
[30] US (63/034,214) 2020-06-03

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[51] **Int.Cl. B01L 3/00 (2006.01) B01L 7/00 (2006.01) B01L 9/00 (2006.01)**
[25] EN
[54] **ULTRA-FAST PCR THERMOCYCLER**
[54] **THERMOCYCLEUR DE PCR ULTRA-RAPIDE**
[72] GUNTER, IAN, GB
[72] LEWIS, RICHARD, GB
[71] FAST MDX (IP) LIMITED, GB
[85] 2022-11-23
[86] 2021-06-25 (PCT/IB2021/000443)
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[30] US (63/044,719) 2020-06-26
[30] US (63/119,833) 2020-12-01

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[51] **Int.Cl. A61B 5/0205 (2006.01) G16Y 40/10 (2020.01) A61B 5/00 (2006.01)**
[25] EN
[54] **MEANS TO ACCURATELY PREDICT, ALARM AND HENCE AVOID SPORT INJURIES AND METHODS THEREOF**
[54] **MOYEN PERMETTANT DE PREDIRE AVEC PRECISION, D'ALERTER ET DONC D'EVITER DES LESIONS SPORTIVES ET PROCEDES ASSOCIES**
[72] RAHAMIM, TAMIR, IL
[71] RAHAMIM, TAMIR, IL
[85] 2022-11-23
[86] 2021-05-24 (PCT/IL2021/050606)
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[30] US (63/029,576) 2020-05-25

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[51] **Int.Cl. A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07D 405/06 (2006.01) C07D 405/14 (2006.01) C07D 407/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-BCMA ANTIBODY-DRUG CONJUGATES AND METHODS OF USE**
[54] **CONJUGUES ANTICORPS ANTI-BCMA-MEDICAMENT ET PROCEDES D'UTILISATION**
[72] HENRY, RYAN, US
[72] SAMARAKOON, THIWANKA, US
[72] FISHKIN, NATHAN, US
[72] ZHU, PING, US
[72] PAZOLLI, ERMIRA, US
[72] PALACINO, JAMES, US
[72] ALMAGRO, JUAN C., US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2022-11-23
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[30] US (62/704,997) 2020-06-05

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[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 1/04 (2006.01) A61P 3/10 (2006.01) A61P 5/14 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PYRROLO[2,3-D]PYRIMIDINE DERIVATIVES**
[54] **DERIVES DE PYRROLO [2,3-D] PYRIMIDINE**
[72] DOWTY, MARTIN EUGENE, US
[72] MALHOTRA, BIMAL KUMAR, US
[72] SAMARDJIEV, IVAN JORDAN, US
[72] SAMAS, BRIAN MATTHEW, US
[72] STROHBACH, JOSEPH WALTER, US
[71] PFIZER INC., US
[85] 2022-11-23
[86] 2021-05-25 (PCT/IB2021/054516)
[87] (WO2021/240356)
[30] US (62/704,796) 2020-05-28
[30] US (63/037,366) 2020-06-10

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/46 (2006.01) A61K 9/48 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
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[54] **PRALSETINIB PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES DE PRALSETINIB**
[72] WAETZIG, JOSHUA, US
[72] WILKIE, GORDON D., US
[72] MAZAIK, DEBRA L., US
[72] VARGA, CSANAD M., US
[72] ROGAL, LIA, US
[72] MACEACHERN, LAUREN, CA
[72] MILLER, KIMBERLY JEAN, CA
[72] RIGBY-SINGLETON, SHELLIE, GB
[72] BARKER, IAN A., GB
[72] HARRIS, ROBERT J., GB
[72] SPENCELEY, AIMEE J., GB
[72] GORDHAN, DIPAK, GB
[71] BLUEPRINT MEDICINES CORPORATION, US
[85] 2022-11-23
[86] 2021-05-28 (PCT/US2021/034811)
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[51] **Int.Cl. A61K 36/00 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR MANAGEMENT OF COVID-19 AND ASSOCIATED DISORDERS**
[54] **COMPOSITION POUR LA GESTION DE LA COVID-19 ET DE TROUBLES ASSOCIES**
[72] SALUNKE, PRAKASH PUNDLIK, IN
[72] SALUNKE, VAISAHLI PRAKASH, IN
[72] PATIL, PRAVIN EKANATH, IN
[71] VEDICINALS INDIA PRIVATE LIMITED, IN
[85] 2022-11-23
[86] 2021-05-29 (PCT/IB2021/054727)
[87] (WO2021/240481)
[30] IN (202021022638) 2020-05-29
[30] IN (202121017933) 2021-04-19

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[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01)**
[25] EN
[54] **AUTOMATION COMPATIBLE REMOVABLE LIDS AND METHODS OF USE**
[54] **COUVERCLES AMOVIBLES COMPATIBLES AVEC L'AUTOMATISATION ET PROCEDES D'UTILISATION**
[72] MIRTCHEV, SLAVI, US
[72] LAWRENCE, NOEL, US
[72] KOCHAR, MANISH, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2022-11-15
[86] 2021-05-14 (PCT/US2021/032569)
[87] (WO2021/231938)
[30] US (63/025,344) 2020-05-15

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[51] **Int.Cl. B65D 81/32 (2006.01)**
[25] EN
[54] **PRE-PACKAGED LIQUID CONTAINER AND CORRESPONDING DEVICE**
[54] **RECIPIENT DE LIQUIDE PREEMBALLE ET DISPOSITIF CORRESPONDANT**
[72] OROFINO, ERNESTO, IT
[71] OROFINO PHARMACEUTICALS GROUP SRL, IT
[85] 2022-11-23
[86] 2021-06-07 (PCT/IB2021/054971)
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[30] IT (102020000014743) 2020-06-19

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[54] **COMPOSITION ALIMENTAIRE DE TYPE VIANDE**
[72] CHUANG, YU CHUN, JP
[72] NAIDU, ARIN, JP
[71] SPIBER INC., JP
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[54] **SYSTEME D'ASPIRATION A REPONSE ACCELEREE**
[72] BUCK, MICHAEL, US
[72] FOX, JULIA, US
[72] JACOBS, JAMES, US
[71] IMPERATIVE CARE, INC., US
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[54] **ANTI-PD-1 ANTIBODIES AND FUSION PROTEINS**
[54] **ANTICORPS ANTI-PD-1 ET PROTEINES DE FUSION**
[72] LU, DAN, US
[72] POLONSKAYA, ZHANNA, US
[72] CHANG, TZU-PEI, US
[72] MARTOMO, STELLA A., US
[72] PATEL, JEEGAR, US
[72] MIYARA, FAICAL, US
[71] KADMON CORPORATION, LLC, US
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[54] **APOPTOSIS RESISTANT CELL LINES**
[54] **LIGNEES CELLULAIRES RESISTANTES A L'APOPTOSE**
[72] MISAGHI, SHAHRAM, US
[72] TANG, DANMING, US
[72] SHEN, AMY, US
[72] LAIRD, MICHAEL, US
[71] GENENTECH, INC., US
[85] 2022-11-23
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[54] **PROCESS FOR DRY BENEFICIATION OF FINE AND VERY FINE IRON ORE BY SIZE AND ELECTROSTATIC SEGREGATION**
[54] **PROCEDE D'ENRICHISSEMENT A SEC DE MINERAI DE FER FIN ET TRES FIN PAR TAILLE ET SEGREGATION ELECTROSTATIQUE**
[72] FLYNN, KYLE P., US
[72] GUPTA, ABHISHEK, US
[72] ROJAS MENDOZA, LUCAS, US
[71] SEPARATION TECHNOLOGIES LLC, US
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[54] **HYDROCRACKING CATALYST FOR HEAVY DISTILLATE**
[54] **CATALYSEUR D'HYDROCRAQUAGE POUR DISTILLAT LOURD**
[72] JIA, JIFEI, US
[72] ZHAN, BI-ZENG, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[71] CHEVRON U.S.A. INC., US
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[54] **COMPOSITIONS ET PROCEDES D'ANALYSE DE METHYLATION DE L'ADN**
[72] GRIFFIN, PATRICK THOMAS, US
[72] SINCLAIR, DAVID A., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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[54] **CELLULES TUEUSES NATURELLES GENETIQUEMENT MODIFIEES POUR IMMUNOTHERAPIE ANTICANCEREUSE DIRIGEE CONTRE CD70**
[72] TRAGER, JAMES BARNABY, US
[72] LAZETIC, ALEXANDRA LEIDA LIANA, US
[72] CHAN, IVAN, US
[72] GUO, CHAO, US
[72] JAMBORETZ, KATHERINE, US
[71] NKARTA, INC., US
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[54] **CATHETER A BRANCHE DE PROLONGEMENT DE LONGUEUR VARIABLE**
[72] THORNLEY, KYLE G., US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-11-23
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[54] **UTILISATION D'ACIDE THERMIQUEMENT DECOMPOSABLE EN TANT QU'INHIBITEUR POUR LA PREPARATION DE COMPOSITES DE POLYISOCYANURATE**
[72] CHEN, LIANG, US
[72] THOMPSON-COLON, JAMES A., US
[72] BUSHMIRE, ALAN D., US
[71] COVESTRO LLC, US
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[54] **METHODS OF TREATING AGING-RELATED DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES LIES AU VIEILLISSEMENT**
[72] WONG, HING C., US
[72] ZHU, XIAOYUN, US
[72] LIU, BAI, US
[72] CHATURVEDI, PALLAVI, US
[72] GEORGE, VARGHESE, US
[71] HCW BIOLOGICS, INC., US
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[54] **COMPOSITION POUR L'AMELIORATION DE LA BIODISPONIBILITE DE PRODUITS PHYTOCHIMIQUES ET SON PROCEDE DE PREPARATION**
[72] SOMASHEKARA, NIRVANASHETTY, IN
[72] PANDA, SANJIB KUMAR, IN
[72] PARACHUR, VIVEK ANAND, IN
[71] OLENE LIFE SCIENCES PRIVATE LIMITED, IN
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[54] **ANTICORPS DE LAPIN DIRIGES CONTRE DES IMMUNOGLOBULINES G HUMAINES**
[72] CHU, RUIYIN, US
[71] GENZYME CORPORATION, US
[85] 2022-11-23
[86] 2021-06-01 (PCT/US2021/035264)
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[54] **METHODS AND TREATMENT INVOLVING ANTIBODIES TO IL-18**
[54] **METHODES ET TRAITEMENT IMPLIQUANT DES ANTICORPS CONTRE IL-18**
[72] NEIL, GARRY A., US
[72] ZAFIR-LAVIE, INBAL, US
[72] ROADCAP, LORI, US
[71] AVALO THERAPEUTICS, INC., US
[85] 2022-11-23
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[54] **METHOD FOR SELECTING CANCER PATIENTS FOR WHOM COMBINATION THERAPY WITH RETINOID AND CANCER THERAPEUTIC AGENT IS EFFECTIVE, AND COMBINATION MEDICAMENT WITH RETINOID AND CANCER THERAPEUTIC AGENT**
[54] **METHODE DE SELECTION D'UN PATIENT CANCEREUX POUR LEQUEL UNE POLYTHERAPIE D'UN RETINOIDE ET D'UN AGENT DE TRAITEMENT DU CANCER SERA EFFICACE, ET MEDICAMENT COMBINE D'UN RETINOIDE ET D'UN AGENT DE TRAITEMENT DU CANCER**
[72] IIDA, TADASHI, JP
[72] ENOMOTO, ATSUSHI, JP
[72] MIZUTANI, YASUYUKI, JP
[72] TAKAHASHI, MASAHIDE, JP
[72] FUJISHIRO, MITSUHIRO, JP
[72] KAWASHIMA, HIROKI, JP
[72] MATSUKAWA, YOSHIHISA, JP
[72] OWAKI, TAKAYUKI, JP
[71] RAQUALIA PHARMA INC., JP
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[54] **DEVICES AND METHODS FOR THE ISOLATION OF PARTICLES**
[54] **DISPOSITIFS ET PROCEDES POUR L'ISOLEMENT DE PARTICULES**
[72] HE, LIZHONG, AU
[72] DIXON, IAN EDWARD, AU
[72] PAUL, PUJA, AU
[72] SHANBHAG, BHUVANA, AU
[72] JI, LI, AU
[71] BIOACTIVE MATERIALS PTY LTD, AU
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[71] NIPPHARMA CO., LTD., JP
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[54] **GODET**
[72] HALL, JAMIE VINCENT CLARKE, AU
[71] AUSTIN ENGINEERING LIMITED, AU
[85] 2022-11-24
[86] 2021-06-08 (PCT/AU2021/050574)
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[54] **PLANAR DRIVE SYSTEM AND METHOD FOR OPERATING A PLANAR DRIVE SYSTEM**
[54] **SYSTEME D'ENTRAINEMENT PLAN ET SON PROCEDE DE FONCTIONNEMENT**
[72] BENTFELD, LUKAS, DE
[72] BRINKMANN, ROLF, DE
[72] JEBRAMCIK, PATRICK, DE
[72] KAULMANN, TIM, DE
[71] BECKHOFF AUTOMATION GMBH, DE
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[54] **HYBRID POLYMER-MATRIX COMPOSITE AND PROCESSING METHOD**
[54] **COMPOSITE HYBRIDE DE MATRICE POLYMERE ET PROCEDE DE TRAITEMENT**
[72] ALBUQUERQUE, MARCELO LOPES DE, BR
[72] KUNST, EDUARDO RENATO, BR
[71] ARTECOLA QUIMICA S.A., BR
[85] 2022-11-24
[86] 2021-06-09 (PCT/BR2021/050252)
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[54] **PROCESS FOR RECOVERY OF LITHIUM FROM BRINE**
[54] **PROCEDE DE RECUPERATION DE LITHIUM A PARTIR DE SAUMURE**
[72] BROWN, CRAIG JOHNSTONE, CA
[71] STANDARD LITHIUM LTD., CA
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[54] **MONO- AND BIS-NITROSYLATED ALKYL POLYOLS FOR THERAPEUTIC USE**
[54] **ALKYLPOLYOLS MONO- ET BIS-NITROSYLES A USAGE THERAPEUTIQUE**
[72] AGVALD, PER HAKAN, SE
[72] NILSSON, KRISTOFER BO INGEMAR, SE
[72] ADDING, LEIF CHRISTOFER, SE
[71] ATTGENO AB, SE
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[86] 2021-05-27 (PCT/EP2021/064262)
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[54] **ATOMIZER, ATOMIZING DEVICE, AND ELECTRONIC CIGARETTE**
[54] **ATOMISEUR, DISPOSITIF D'ATOMISATION ET CIGARETTE ELECTRONIQUE**
[72] XIA, ZHENGHUA, CN
[72] ZANG, JIADONG, CN
[71] SHENZHEN GEEKVAPE TECHNOLOGY CO., LTD., CN
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[54] **IDENTIFICATION ET SURVEILLANCE DE GROUPES**
[72] SIEMER, JAMES, US
[72] BEACH, ALLISON, US
[72] YIN, WEIHONG, US
[72] BEDELL, JEFFREY A., US
[72] STANLEY, JOHN, US
[71] ALARM.COM INCORPORATED, US
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[54] **IMPROVED LENTIVIRAL VECTOR TRANSFER PLASMID AND METHODS OF USE**
[54] **PLASMIDE DE TRANSFERT DE VECTEUR LENTIVIRAL AMELIORE ET PROCEDES D'UTILISATION**
[72] MEDIN, JEFFREY A., US
[72] MCKILLOP, WILLIAM M., US
[72] GARGULAK, KRISTY J., US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
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[54] **CHANNEL INFORMATION PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'INFORMATIONS DE CANAL**
[72] LI, JIANJUN, CN
[72] SONG, YANG, CN
[72] SUN, PENG, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[54] **DETERMINATION D'UNE CONFIGURATION D'UN SYSTEME D'IMAGERIE MEDICALE A RAYONS X POUR DETECTER UN DISPOSITIF MARQUEUR**
[72] STOPP, SEBASTIAN, DE
[72] FRIELINGHAUS, NILS, DE
[71] BRAINLAB AG, DE
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[54] **METHODS AND COMPOSITIONS FOR TREATING RETINAL DISEASES AND CONDITIONS**
[54] **METHODES ET COMPOSITIONS PERMETTANT DE TRAITER DES MALADIES ET DES ETATS DE LA RETINE**
[72] BINETTE, FRANCOIS, US
[72] HOGGE, GARY, US
[72] SKALITER, RAMI, US
[72] SHABAT, AVI BEN, US
[72] BANIN, EYAL, US
[72] QIU, TINA GUANTING, US
[72] MONES, JORDI, US
[71] LINEAGE CELL THERAPEUTICS, INC., US
[71] HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD., IL
[71] MONES, JORDI, US
[85] 2022-11-24
[86] 2021-05-25 (PCT/US2021/034114)
[87] (WO2021/242788)
[30] US (63/029,669) 2020-05-25
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[30] US (63/106,339) 2020-10-27
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[54] **CANCER TREATMENT STRATEGIES USING ARENAVIRUS VECTORS**
[54] **STRATEGIES DE TRAITEMENT DU CANCER A L'AIDE DE VECTEURS DU TYPE ARENAVIRUS**
[72] MATUSHANSKY, IGOR, US
[72] HWANG, ANDY, US
[72] KATCHAR, KIANOOSH, US
[72] EDWARDS, DONNA, US
[72] LAUTERBACH, HENNING, AT
[72] SCHWENDINGER, MICHAEL, AT
[72] ORLINGER, KLAUS, AT
[72] SCHMIDT, SARAH, AT
[72] BERKA, URSULA, AT
[72] IACOBUCCI, CORINNE, US
[72] SCHLIENGER, KATIA, US
[71] HOOKIPA BIOTECH GMBH, AT
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[54] **FILTERING SYSTEMS AND FILTERING MANIFOLDS FOR USE WITH FILTERING SYSTEMS**
[54] **SYSTEMES DE FILTRATION ET COLLECTEURS DE FILTRATION DESTINES A ETRE UTILISES AVEC DES SYSTEMES DE FILTRATION**
[72] JONES, JUSTIN CHARLES, US
[72] HILL, MATTHEW JOHN, US
[72] JOHNSON, ELIZABETH CHRISTINE, US
[72] ANDREAS, BRETT JACOB, US
[72] SHEEHAN, LUCAS JOHN, US
[72] MUEGGENBERG, NATHAN, US
[72] KNIGHT-SCOTT, CHASE, US
[72] DEROODE, DAVID JOHN, US
[71] MINNETRONIX NEURO, INC., US
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[25] EN
[54] **BIOCEMENTATION MIXTURE FOR DUST CONTROL AND RELATED APPLICATIONS**
[54] **MELANGE DE BIOCIMENTATION POUR LA LUTTE CONTRE LA POUSSIERE ET APPLICATIONS ASSOCIEES**
[72] SPITZNAGEL, MARTIN, DE
[72] FRIED, LUITPOLD, DE
[72] PAZUR, SASKIA, DE
[72] MERKL, JAN-PHILIP, DE
[72] HORNUNG, FLORIAN, DE
[71] BIND-X GMBH, DE
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[51] **Int.Cl. C12N 5/0793 (2010.01) C12N 5/0797 (2010.01)**
[25] EN
[54] **AXIAL STEM CELLS, METHODS OF PRODUCING AND USES THEREOF**
[54] **CELLULES SOUCHES AXIALES, LEURS PROCEDES DE PRODUCTION ET LEURS UTILISATIONS**
[72] DRUKKER, MICHA, NL
[72] SHAPOSHNIKOV, DMITRY, DE
[72] ALI, AICHA HAJI, DE
[72] KELLE-OZDEMIR, DOLUNAY, DE
[72] RUSHA, EJONA, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[85] 2022-11-24
[86] 2021-05-25 (PCT/EP2021/063843)
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[25] EN
[54] **PLANAR DRIVE SYSTEM AND METHOD FOR OPERATING A PLANAR DRIVE SYSTEM**
[54] **SYSTEME D'ENTRAINEMENT PLAN ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME D'ENTRAINEMENT PLAN**
[72] BENTFELD, LUKAS, DE
[72] BRINKMANN, ROLF, DE
[72] JEBRAMCIK, PATRICK, DE
[72] KAULMANN, TIM, DE
[71] BECKHOFF AUTOMATION GMBH, DE
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[25] EN
[54] **APPARATUS FOR THE PRODUCTION OF BIOCHAR BY PYROLYSIS OF BIOMASS**
[54] **DISPOSITIF DE PRODUCTION DE BIOCHARBON PAR PYROLYSE DE BIOMASSE**
[72] SCHUSTER, REIMUND, DE
[71] SCHUSTER, REIMUND, DE
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[25] EN
[54] **SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) POLYPEPTIDES AND USES THEREOF FOR VACCINE PURPOSES**
[54] **POLYPEPTIDES DU CORONAVIRUS 2 ASSOCIE AU SYNDROME RESPIRATOIRE AIGU SEVERE (SARS-COV-2) ET LEURS UTILISATIONS A DES FINS VACCINALES**
[72] LEVY, YVES, FR
[72] ZURAWSKI, GERARD, US
[72] ZURAWSKI, SANDRA, US
[72] LACABARATZ, CHRISTINE, FR
[72] CARDINAUD, SYLVAIN, FR
[72] SURENAUD, MATHIEU, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] BAYLOR RESEARCH INSTITUTE, US
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS (APHP), FR
[71] UNIVERSITE PARIS-EST CRETEIL VAL DE MARNE, FR
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[86] 2021-05-26 (PCT/EP2021/064098)
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[25] EN
[54] **MONO- AND BIS-NITROSYLATED PROPANEDIOLS FOR THERAPEUTIC USE**
[54] **PROPANEDIOLS MONO- ET BIS-NITROSYLES A USAGE THERAPEUTIQUE**
[72] AGVALD, PER HAKAN, SE
[72] NILSSON, KRISTOFER BO INGEMAR, SE
[72] ADDING, LEIF CHRISTOFER, SE
[72] HURTSEN, ANNA KAROLINA MARIA STENE, SE
[71] ATTGENO AB, SE
[85] 2022-11-24
[86] 2021-05-27 (PCT/EP2021/064234)
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[51] **Int.Cl. A61K 35/15 (2015.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **NOVEL CONSTRUCTS FOR CHIMERIC ANTIGEN RECEPTORS**
[54] **NOUVELLES CONSTRUCTIONS POUR RECEPTEURS ANTIGENIQUES CHIMERIQUES**
[72] KLICHINSKY, MICHAEL, US
[72] MINUTOLO, NICHOLAS, US
[72] ANDERSON, NICHOLAS, US
[71] CARISMA THERAPEUTICS INC., US
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[25] EN
[54] **MONOMERIC AND OLIGOMERIC COMPOUND EMBODIMENTS AS CONTRACEPTIVES AND THERAPIES AND METHODS OF MAKING AND USING THE SAME**
[54] **MODES DE REALISATION DE COMPOSES MONOMERES ET OLIGOMERES EN TANT QUE CONTRACEPTIFS ET THERAPIES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] KASKAR, BASHIR, US
[72] LIN, MING-TEH, US
[72] LEE, MIN, US
[72] BLITHE, DIANA, US
[72] GUPTA, PRANAB, US
[71] ASH STEVENS, LLC, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES, US
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[86] 2021-06-10 (PCT/US2021/036809)
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[51] **Int.Cl. A61K 31/5025 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **IMIDAZOPYRIDAZINE COMPOUNDS WITH ACTIVITY AS ALK2 INHIBITORS**
[54] **COMPOSES D'IMIDAZOPYRIDAZINE AYANT UNE ACTIVITE EN TANT QU'INHIBITEURS D'ALK2**
[72] PAN, JUN, US
[72] BAI, YU, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2022-11-24
[86] 2021-06-10 (PCT/US2021/036839)
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[25] EN
[54] **HEAVY PEPTIDE APPROACH TO ACCURATELY MEASURE UNPROCESSED C-TERMINAL LYSINE**
[54] **APPROCHE PAR PEPTIDE LOURD POUR MESURER AVEC PRECISION LA LYSINE A L'EXTREMITE C-TERMINALE NON TRAITEE**
[72] GREER, TYLER, US
[72] CEJKOV, MILOS, US
[72] O'BRIEN JOHNSON, REID, US
[72] ZHENG, XIAOJING, US
[72] LI, NING, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-11-24
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[30] US (63/041,015) 2020-06-18

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[51] **Int.Cl. D21C 9/08 (2006.01) D21H 21/02 (2006.01)**
[25] EN
[54] **METHOD TO TREAT A CONDENSATE IN A PULPING PROCESS**
[54] **PROCEDE PERMETTANT DE TRAITER UN CONDENSAT DANS UN PROCEDE DE REDUCTION EN PATE**
[72] DE MORAIS, DIMAS, BR
[72] FILHO, OTAVIO MAMBRIM, BR
[71] SUZANO S.A., BR
[71] NIKEDE COMERCIO E REPRESENTACOES LTDA, BR
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[51] **Int.Cl. A47C 12/00 (2006.01) E06C 1/393 (2006.01) E06C 7/08 (2006.01)**
[25] EN
[54] **KITCHEN HELPER FOLDING STEP STOOL**
[54] **TABOURET-ESCABEAU PLIANT D'AIDE DE CUISINE**
[72] BOYER, JASON A., US
[71] DOREL HOME FURNISHINGS, INC., US
[85] 2022-11-24
[86] 2021-06-04 (PCT/US2021/035943)
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[30] US (63/034,718) 2020-06-04

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[51] **Int.Cl. C12N 15/63 (2006.01) C12N 9/02 (2006.01) C12N 9/22 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR EPIGENOME EDITING**
[54] **COMPOSITIONS ET PROCEDES POUR L'EDITION DE L'EPIGENOME**
[72] GILBERT, LUKE, US
[72] WEISSMAN, JONATHAN, US
[72] NUNEZ, JAMES, US
[72] POMMIER, GREG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[86] 2021-06-04 (PCT/US2021/035937)
[87] (WO2021/248023)
[30] US (63/035,431) 2020-06-05
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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **AUTOLOGOUS DENDRITIC CELL VACCINE KIT AND USES**
[54] **KIT DE VACCIN A CELLULES DENDRITIQUES AUTOLOGUES ET UTILISATIONS**
[72] NISTOR, GABRIEL, US
[72] KIERSTEAD, HANS, US
[72] DILLMAN, ROBERT O., US
[71] AIVITA BIOMEDICAL, INC., US
[85] 2022-11-24
[86] 2021-06-02 (PCT/US2021/035501)
[87] (WO2021/247743)
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[51] **Int.Cl. C12N 9/22 (2006.01) A61K 47/65 (2017.01) C07K 19/00 (2006.01) C12N 9/10 (2006.01)**
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[54] **COMPOSITIONS AND METHODS FOR GENE EDITING**
[54] **COMPOSITIONS ET METHODES POUR L'EDITION DE GENES**
[72] GILBERT, LUKE, US
[72] NUNEZ, JAMES, US
[72] WEISSMAN, JONATHAN, US
[72] CHEN, JIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[86] 2021-06-01 (PCT/US2021/035244)
[87] (WO2021/247570)
[30] US (63/033,397) 2020-06-02
[30] US (63/114,850) 2020-11-17
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[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/17 (2006.01) A61B 17/56 (2006.01) A61B 17/68 (2006.01) A61B 17/90 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **SOFT TISSUE IMPLANT SYSTEMS, INSTRUMENTS, AND RELATED METHODS**
[54] **SYSTEMES D'IMPLANT DE TISSUS MOUS, INSTRUMENTS ET PROCEDES ASSOCIES**
[72] HARTSON, KYLE, US
[72] DEVASCONCELLOS, PAUL, US
[71] PARAGON 28, INC., US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034769)
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[51] **Int.Cl. A61F 2/24 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **DUAL LAYER HEAT SHRINK TUBING**
[54] **TUBE THERMORETRACTABLE A DOUBLE COUCHE**
[72] HUNTER, CAMERON, US
[72] CAMPANELLI, JOHN RICHARD, US
[71] ZEUS COMPANY INC., US
[85] 2022-11-24
[86] 2021-05-27 (PCT/US2021/034545)
[87] (WO2021/243036)
[30] US (63/030,948) 2020-05-28

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[51] **Int.Cl. A61B 17/122 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR LEAFLET FOLDING OR CAPTURE**
[54] **PROCEDES ET DISPOSITIFS POUR LE PLIAGE OU LA CAPTURE DE LAMES VALVULAIRES**
[72] WITZMAN, OFIR, IL
[72] ATIAS, EITAN, IL
[72] COHEN-TZEMACH, HANOCH, IL
[72] MAIMON, DAVID, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-11-24
[86] 2021-05-27 (PCT/US2021/034409)
[87] (WO2021/242952)
[30] US (63/031,056) 2020-05-28

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[51] **Int.Cl. E04B 2/18 (2006.01) E04B 2/42 (2006.01) E04C 2/32 (2006.01) E04C 2/34 (2006.01) E04C 2/38 (2006.01)**
[25] EN
[54] **MODULAR BUILDING SYSTEM**
[54] **SYSTEME DE CONSTRUCTION MODULAIRE**
[72] SCHOFIELD, WILLIAM J., US
[71] SCHOFIELD TECHNOLOGIES, INC., US
[85] 2022-11-24
[86] 2021-05-26 (PCT/US2021/034356)
[87] (WO2021/242928)
[30] US (63/030,291) 2020-05-26

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[51] **Int.Cl. H05B 1/02 (2006.01) H05B 3/00 (2006.01) H05B 3/10 (2006.01)**
[25] EN
[54] **A HEAT TRACE CHARACTERIZATION AND CONTROL METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE COMMANDE ET DE CARACTERISATION DE TRACE DE CHALEUR**
[72] KUSTER, TRAVIS M., US
[72] TINEN, CONNOR J., US
[72] BROWN, ALEXANDER F., US
[72] NIKOLAI, ROBERT J., US
[71] AEF ICE SYSTEMS, INC., US
[85] 2022-11-24
[86] 2021-05-21 (PCT/US2021/033622)
[87] (WO2021/242629)
[30] US (63/031,014) 2020-05-28

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[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR MIGRATING AN ACTIVE FILESYSTEM**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE MIGRATION DE SYSTEME DE FICHIERS ACTIF**
[72] AAHLAD, YETURU, US
[72] THURIMELLA, RAMAKRISHNA, US
[72] MACKEY, CHRISTOPHER, GB
[71] WANDISCO, INC., US
[85] 2022-11-24
[86] 2021-04-05 (PCT/US2021/025760)
[87] (WO2021/252055)
[30] US (16/898,328) 2020-06-10

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[25] EN
[54] **LIQUID POLYMER OR CHEMICAL ACTIVATION SYSTEM USING A SUBMERSIBLE ACTUATOR**
[54] **POLYMERE LIQUIDE OU SYSTEME D'ACTIVATION CHIMIQUE UTILISANT UN ACTIONNEUR SUBMERSIBLE**
[72] MERCADO ALVARADO, ADALBERTO, US
[71] MERCADO ALVARADO, ADALBERTO, US
[85] 2022-11-24
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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **MULTISPECIFIC ANTIBODY**
[54] **ANTICORPS MULTISPECIFIQUE**
[72] LICHTLEN, PETER, CH
[72] URECH, DAVID, CH
[72] HESS, CHRISTIAN, CH
[72] GUNDE, TEA, CH
[72] SIMONIN, ALEXANDRE, FR
[72] WARMUTH, STEFAN, CH
[72] BROCK, MATTHIAS, CH
[72] CHATTERJEE, BITHI, CH
[72] JOHANSSON, MARIA, CH
[72] SNELL, DANIEL, CH
[71] NUMAB THERAPEUTICS AG, CH
[85] 2022-11-24
[86] 2021-05-28 (PCT/EP2021/064427)
[87] (WO2021/239987)
[30] EP (20177337.1) 2020-05-29

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[51] **Int.Cl. C08G 18/09 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01) C08G 18/22 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08J 9/08 (2006.01) C08J 9/12 (2006.01) C08J 9/14 (2006.01) C08K 5/1515 (2006.01)**
[25] EN
[54] **USE OF EPOXY COMPOUNDS AS CARBON DIOXIDE SCAVENGERS IN PIR COMPRISING FOAMS FOR SUPERIOR THERMAL INSULATION PROPERTIES**
[54] **UTILISATION DE COMPOSES EPOXY EN TANT QUE CAPTEURS DE DIOXYDE DE CARBONE DANS DES MOUSSES COMPRENANT DU PIR POUR DES PROPRIETES D'ISOLATION THERMIQUE SUPERIEURES**
[72] JONCHERAY, THOMAS JULIEN, BE
[72] VANDENBROECK, JAN, BE
[72] GEUMEZ, GILLES JEAN, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2022-11-24
[86] 2021-06-02 (PCT/EP2021/064750)
[87] (WO2021/245120)
[30] EP (20177774.5) 2020-06-02

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[51] **Int.Cl. A23P 30/40 (2016.01) A24F 40/05 (2020.01) A24F 42/20 (2020.01) A23L 2/40 (2006.01) A47J 43/12 (2006.01) A61K 9/00 (2006.01) A61K 9/12 (2006.01) A61K 31/352 (2006.01) A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01) A61P 11/00 (2006.01) A61P 15/10 (2006.01) A61P 25/26 (2006.01) B05B 7/00 (2006.01)**
[25] EN
[54] **FOAM INHALATION DEVICE AND CARTRIDGE**
[54] **DISPOSITIF D'INHALATION DE MOUSSE ET CARTOUCHE**
[72] HAGEN, KLAUS, DE
[71] SPLASH TM GMBH, DE
[85] 2022-11-24
[86] 2021-10-06 (PCT/EP2021/077551)
[87] (WO2022/074053)
[30] EP (PCT/EP2020/078344) 2020-10-08
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[51] **Int.Cl. B29B 7/00 (2006.01) B29B 7/82 (2006.01) B29B 9/06 (2006.01) B29B 9/12 (2006.01) C08J 3/12 (2006.01) C08J 5/18 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A WATER-SOLUBLE POLYMER, WATER-SOLUBLE POLYMER SO PRODUCED, AND MELT-PROCESSABLE WATER-SOLUBLE POLYMER COMPOSITION**
[54] **PROCEDE DE PRODUCTION D'UN POLYMERE HYDROSOLUBLE, POLYMERE HYDROSOLUBLE AINSI PRODUIT ET COMPOSITION POLYMERE HYDROSOLUBLE TRAITABLE**
[72] MORRIS, PETER, GB
[71] PETER MORRIS RESEARCH AND DEVELOPMENT LIMITED, GB
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[54] **AN OSTOMY POUCH**
[54] **POCHE DE STOMIE**
[72] HOLDEN, CLARE, GB
[72] GOPAL, MANI, GB
[71] CONVATEC LIMITED, GB
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[54] **POCHE DE STOMIE**
[72] EVANS, KEVIN, GB
[71] CONVATEC LIMITED, GB
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[54] **ROBOTIC AUTOMATED STORAGE AND RETRIEVAL SYSTEM AND METHOD OF STORING ARTICLES**
[54] **SYSTEME ROBOTIQUE AUTOMATISE DE STOCKAGE ET DE RECUPERATION ET PROCEDE DE STOCKAGE D'ARTICLES**
[72] O'BRIEN, MARK D., US
[72] HEATH, KEVIN M., US
[71] DEMATIC CORP., US
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[54] **SYSTEM FOR REMOTE PRODUCTION OF AUDIOVISUAL CONTENTS**
[54] **SYSTEME DE PRODUCTION A DISTANCE DE CONTENUS AUDIOVISUELS**
[72] CERRI, MARIATERESA, IT
[71] BLT ITALIA S.R.L., IT
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[86] 2021-05-25 (PCT/IB2021/054527)
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[54] **CRAWLER VEHICLE, CONTROL METHOD AND COMPUTER PROGRAM OF SAID VEHICLE**
[54] **VEHICULE A CHENILLES, PROCEDE DE COMMANDE ET PROGRAMME INFORMATIQUE DUDIT VEHICULE**
[72] KIRCHMAIR, MARTIN, IT
[72] PAOLETTI, ALBERTO, IT
[71] PRINOTH S.P.A., IT
[85] 2022-11-24
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[25] EN
[54] **POWER SUPPLY DEVICE, MICROWAVE TUBE DEVICE, POWER SUPPLY METHOD, AND RECORDING MEDIUM**
[54] **DISPOSITIF D'ALIMENTATION ELECTRIQUE, DISPOSITIF DE TUBE A MICRO-ONDES, PROCEDE D'ALIMENTATION ELECTRIQUE ET SUPPORT D'ENREGISTREMENT**
[72] IIZUKA, NAOKI, JP
[72] NAKAZATO, YUKIHIRA, JP
[71] NEC NETWORK AND SENSOR SYSTEMS, LTD., JP
[85] 2022-11-24
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[54] **LINEAR ACTUATOR SYSTEM FOR MOTION SIMULATOR**
[54] **SYSTEME D'ACTIONNEUR LINEAIRE POUR SIMULATEUR DE MOUVEMENT**
[72] GAGNON, STEPHANE, CA
[71] D-BOX TECHNOLOGIES INC., CA
[85] 2022-11-24
[86] 2021-06-15 (PCT/CA2021/050814)
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[25] EN
[54] **GONADOTROPIN-RELEASING HORMONE RECEPTOR ANTAGONIST AND USE THEREOF**
[54] **ANTAGONISTE DU RECEPTEUR DE L'HORMONE DE LIBERATION DE LA GONADOTROPINE ET SON UTILISATION**
[72] LIU, GUOQIANG, CN
[72] LIU, WEI, CN
[72] WANG, YANDONG, CN
[71] SHANGHAI INNOFORTUNE BOITECH CO.LTD, CN
[85] 2022-10-19
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[54] **OPTICAL INTERROGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INTERROGATION OPTIQUE**
[72] JOLY, MAXIME, CA
[72] BEGIN-DROLET, ANDRE, CA
[72] GREENER, JESSE, CA
[72] DENG, TIANYANG, CN
[71] UNIVERSITE LAVAL, CA
[85] 2022-11-25
[86] 2021-05-27 (PCT/CA2021/050718)
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[54] **SYSTEM FOR TREATING UNWANTED TISSUE**
[54] **SYSTEME DE TRAITEMENT DE TISSU INDESIRABLE**
[72] WONG, KAR-PAN, CA
[72] ELIZUR, ERAN, CA
[72] GOODACRE, EVAN, CA
[72] WOLFF, SUSANNA KIM, CA
[72] GELBART, DANIEL, CA
[71] IKOMED TECHNOLOGIES INC., CA
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[54] **REFRIGERATION DUCT SYSTEM FOR A TRANSPORTATION REFRIGERATION UNIT**
[54] **SYSTEME DE CONDUIT DE REFRIGERATION POUR UNITE DE REFRIGERATION DE TRANSPORT**
[72] BECK, IGAL, IL
[71] SMART COOLING ADVANCED COOLING SYSTEMS LTD., IL
[85] 2022-11-25
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[54] **PROSTHETIC IMPLANTS FOR DISPLACING LEAFLETS**
[54] **IMPLANTS PROTHETIQUES PERMETTANT DE DEPLACER DES FEUILLETS**
[72] LEICHNER, JOSEPH MORDECHAI, IL
[72] COHEN-TZEMACH, HANOCH, IL
[72] LEE, JEONG SOO, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-11-25
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[54] **INFLATABLE BODIES, SYSTEMS, AND METHODS FOR EXPANDING IMPLANTS**
[54] **CORPS GONFLABLES, SYSTEMES ET PROCEDES D'EXPANSION D'IMPLANTS**
[72] LEVI, TAMIR S., IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-11-25
[86] 2021-06-10 (PCT/US2021/036743)
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[25] EN
[54] **RELEASE MECHANISM FOR A DELIVERY APPARATUS FOR AN IMPLANTABLE MEDICAL DEVICE**
[54] **MECANISME DE LIBERATION POUR UN APPAREIL D'ADMINISTRATION POUR UN DISPOSITIF MEDICAL IMPLANTABLE**
[72] GAFFNEY, LEAH PAIGE, US
[72] VALENCIA, SALOMON XAVIER, US
[72] RAFI, HAMID, US
[72] MANZELLA, SALVATORE, JR., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-11-25
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[51] **Int.Cl. A61K 31/335 (2006.01) A61P 35/00 (2006.01) C07D 323/06 (2006.01)**
[25] EN
[54] **1,2,4-TRIOXANE COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME FOR USE IN THE PREVENTION AND TREATMENT OF CANCER**
[54] **COMPOSES 1,2,4-TRIOXANE ET COMPOSITIONS LES COMPRENANT DESTINES A ETRE UTILISES POUR LA PREVENTION ET LE TRAITEMENT DU CANCER**
[72] MAUST, ADAM JEFFREY, US
[72] GILMORE, KERRY, DE
[72] SEEBERGER, PETER, DE
[72] KOLESAR, JILL, US
[72] UELAND, FREDERICK, US
[72] HILL, KRISTEN, US
[72] MCDOWELL, ANTHONY, US
[71] ARTEMIFLOW GMBH, DE
[71] UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, US
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[86] 2021-06-02 (PCT/US2021/035524)
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[25] EN
[54] **COMPOSITE WEAR PART**
[54] **PIECE D'USURE COMPOSITE**
[72] BERTON, GUY, BE
[71] MAGOTTEAUX INTERNATIONAL S.A., BE
[85] 2022-11-24
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[25] EN
[54] **MATURED THREE-DIMENSIONAL PRINTED COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS IMPRIMEES TRIDIMENSIONNELLES AMENEES A MATURATION ET LEURS UTILISATIONS**
[72] KESTI, MATTI JAAKKO JOHANNES, CH
[72] COOPER, KATHARINA SIMONE ULRIKE, DE
[71] AUREGEN BIOTHERAPEUTICS SA, CH
[85] 2022-11-25
[86] 2021-06-16 (PCT/EP2021/066301)
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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 3/12 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **METHODS RELATED TO THE TREATMENT OF IGA NEPHROPATHY**
[54] **METHODES LIEES AU TRAITEMENT DE LA NEPHROPATHIE A IGA**
[72] WAX, STEPHEN DANIEL, US
[72] BASSI, ROBERTO, US
[72] GUEHRING, HANS, DE
[72] TEHLIRIAN, CHRISTOPHER, US
[72] KAO, AMY HUI-CHIEN, US
[71] ARES TRADING S.A., CH
[85] 2022-11-25
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[13] A1
[51] **Int.Cl. A01H 6/46 (2018.01) A01H 1/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING MERISTEM SIZE FOR CROP IMPROVEMENT**
[54] **PROCEDES DE REGULATION DE LA TAILLE DU MERISTEME POUR L'AMELIORATION DES CULTURES**
[72] O'CONNOR, DEVIN, US
[72] GRAHAM, NATHANIEL, US
[71] PAIRWISE PLANTS SERVICES, INC., US
[85] 2022-11-25
[86] 2021-06-01 (PCT/US2021/035114)
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[25] EN
[54] **MAGNETIC ASSEMBLIES AND METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED PLATELET-SHAPED MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **ENSEMBLES MAGNETIQUES ET METHODES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES DE PIGMENT MAGNETIQUES OU MAGNETISABLES LAMELLIFORMES ORIENTEES**
[72] LOGINOV, EVGENY, CH
[72] BAUDRAZ, CHRISTOPHE, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[71] SICPA HOLDING SA, CH
[85] 2022-11-23
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[51] **Int.Cl. C12Q 1/70 (2006.01)**
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[54] **METHODS AND COMPOSITIONS FOR PATHOGEN DETECTION IN PLANTS**
[54] **METHODES ET COMPOSITIONS POUR LA DETECTION DE PATHOGENES DANS DES PLANTES**
[72] PAULI, CHRISTOPHER STEPHEN, US
[72] GAUDINO, REGINALD, US
[72] TORRES, ANTHONY, US
[72] ZALEWSKI, CHRISTOPHER STEPHEN, US
[71] FRONT RANGE BIOSCIENCES, INC., US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034961)
[87] (WO2021/243271)
[30] US (63/032,155) 2020-05-29

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 47/28 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07K 14/575 (2006.01) C07K 14/72 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **IMPROVING ANTIBODY TOLERABILITY ASSOCIATED WITH INTRAVENOUS ADMINISTRATION**
[54] **AMELIORATION DE LA TOLERABILITE AUX ANTICORPS ASSOCIEE A UNE ADMINISTRATION INTRAVEINEUSE**
[72] FRENDEUS, BJORN, SE
[72] MARTENSSON, LINDA, SE
[72] TEIGE, INGRID, SE
[72] KARLSSON, INGRID, SE
[71] BIOINVENT INTERNATIONAL AB, SE
[85] 2022-11-25
[86] 2021-06-04 (PCT/EP2021/065014)
[87] (WO2021/245238)
[30] EP (20178287.7) 2020-06-04
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61P 27/04 (2006.01)**
[25] EN
[54] **MICROEMULSION FOR THE TREATMENT OF DRY EYE SYNDROME**
[54] **MICROEMULSION POUR LE TRAITEMENT DU SYNDROME DE L'□IL SEC**
[72] CARLI, FABIO, IT
[72] CHIELLINI, ELISABETTA, IT
[72] BARONIAN, MIHRAN, CH
[71] AZAD PHARMA AG, CH
[85] 2022-11-25
[86] 2021-05-31 (PCT/EP2021/064479)
[87] (WO2021/245001)
[30] EP (20178029.3) 2020-06-03

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 25/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-HERV-W ENVELOPE PROTEIN ANTIBODY FOR USE IN THE TREATMENT OF PSYCHOTIC DISEASES**
[54] **ANTICORPS DE PROTEINE D'ENVELOPPE ANTI-HERV-W DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE MALADIES PSYCHOTIQUES**
[72] LEBOYER, MARION, FR
[72] PERRON, HERVE, FR
[71] GENEURO SA, CH
[71] FONDAMENTAL, FR
[85] 2022-11-25
[86] 2021-05-28 (PCT/EP2021/064364)
[87] (WO2021/239956)
[30] EP (20305561.1) 2020-05-28

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01) G06Q 10/08 (2023.01)**
[25] EN
[54] **HIGH DENSITY MICRO FULFILLMENT CENTER "HD-MFC" WITH NIGHTLY G2P STORAGE BATCH PICK REPLENISHMENT FROM STORE FLOOR AND METHOD OF OPERATING SAME**
[54] **CENTRE DE MICROREMPLISSAGE A HAUTE DENSITE (« HD-MFC ») A REAPPROVISIONNEMENT NOCTURNE DE RECUPERATION EN LOTS EN MAGASIN G2P DEPUIS LA BOUTIQUE ET PROCEDE DESTINE A L'EXPLOITER**
[72] LERT, JR., JOHN G., US
[72] FOSNIGHT, WILLIAM J., US
[71] ALERT INNOVATION INC., US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034584)
[87] (WO2021/243059)
[30] US (63/030,662) 2020-05-27
[30] US (63/060,994) 2020-08-04
[30] US (63/067,759) 2020-08-19

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[13] A1
[51] **Int.Cl. F16K 7/17 (2006.01) F16K 31/122 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **FLUID SHUT-OFF DEVICE**
[54] **DISPOSITIF D'ARRET DE FLUIDE**
[72] RATTI, WALTER, IT
[71] RATTIINOX S.R.L., IT
[85] 2022-11-25
[86] 2021-06-15 (PCT/IB2021/055256)
[87] (WO2021/255634)
[30] IT (102020000014203) 2020-06-15

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) G06T 7/136 (2017.01) A61B 5/00 (2006.01) G01N 15/14 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **A METHOD TO DETECT WHITE BLOOD CELLS AND/OR WHITE BLOOD CELL SUBTYPES FORM NON-INVASIVE CAPILLARY VIDEOS**
[54] **PROCEDE DE DETECTION DE GLOBULES BLANCS ET/OU DE SOUS-TYPES DE GLOBULES BLANCS A PARTIR DE VIDEOS CAPILLAIRES NON INVASIVES**
[72] GONZALEZ, CARLOS CASTRO, US
[72] BUTTERWORTH, IAN, US
[72] BOURQUARD, AURELIEN, ES
[72] FERRO, ALVARO SANCHEZ, ES
[71] LEUKO LABS, INC., US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034455)
[87] (WO2021/242983)
[30] US (63/031,117) 2020-05-28
[30] US (17/331,893) 2021-05-27

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[13] A1
[51] **Int.Cl. B29C 64/153 (2017.01) B23K 26/342 (2014.01) B33Y 30/00 (2015.01) B29C 64/259 (2017.01) B29C 64/268 (2017.01) B23K 26/02 (2014.01)**
[25] EN
[54] **MODULAR ARCHITECTURE FOR ADDITIVE MANUFACTURING**
[54] **ARCHITECTURE MODULAIRE POUR FABRICATION ADDITIVE**
[72] BAYRAMIAN, ANDREW J., US
[72] COOKE, APRIL L., US
[72] LEBLANC, COTE, US
[72] KISSINGER, DREW W., US
[72] LEARD, FRANCIS L., US
[72] CHITTICK, HAROLD W., US
[72] DEMUTH, JAMES A., US
[72] JARBOE, JEFFREY, US
[72] GILLESPIE, JOSEPH, US
[72] KAMSHAD, KOUROSH, US
[72] FERRERI, NICHOLAS C., US
[72] DUANMU, NING, US
[72] KRAS, SUSANNE, US
[72] MUNDON, SUMMER KAPUAIMILIA, US
[72] SHEN, YIYU, US
[72] MACDONALD, J. THARE, US
[71] SEURAT TECHNOLOGIES, INC., US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034273)
[87] (WO2021/242871)
[30] US (63/030,757) 2020-05-27

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01)**
[25] EN
[54] **METHODS OF TREATING INFLAMMATORY DISEASES BY BLOCKING GALECTIN-3**
[54] **METHODES DE TRAITEMENT DE MALADIES INFLAMMATOIRES PAR BLOCAGE DE LA GALECTINE-3**
[72] SUN, DONGXU, US
[72] GORDON, CATHERINE A., US
[72] SHCHORS, KSENYA, US
[72] WANG, YAN, US
[72] TSAI, TSUNG-HUANG, US
[72] LEONG, YEW ANN, US
[71] TRUEBINDING, INC., US
[85] 2022-11-25
[86] 2021-05-25 (PCT/US2021/034096)
[87] (WO2021/242776)
[30] US (63/030,069) 2020-05-26

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[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A61K 36/81 (2006.01) A61K 36/888 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC HERBAL COMPOSITIONS FOR IMPROVING GUT HEALTH**
[54] **COMPOSITIONS A BASE D'HERBES SYNERGIQUES POUR AMELIORER LA SANTE INTESTINALE**
[72] GOKARAJU, GANGA RAJU, IN
[72] GOKARAJU, RAMA RAJU, IN
[72] BHUPATHIRAJU, KIRAN, IN
[72] GOKARAJU, VENKATA KANAKA RANGA RAJU, IN
[72] GOLAKOTI, TRIMURTULU, IN
[72] SENGUPTHA, KRISHANU, IN
[72] SOMEPALLI, VENKATESWARLU, IN
[72] ALLURI, VENKATA KRISHNA RAJU, IN
[71] LAILA NUTRACEUTICALS, IN
[85] 2022-11-25
[86] 2021-05-29 (PCT/IN2021/050526)
[87] (WO2021/240553)
[30] IN (202041022680) 2020-05-29

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[13] A1
[51] **Int.Cl. A61K 31/16 (2006.01) A61K 31/165 (2006.01) A61K 31/353 (2006.01) A61K 31/453 (2006.01) A61K 31/496 (2006.01) A61K 45/06 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **CHROMANOL, QUINONE OR HYDROQUINONE COMPOUNDS FOR TREATMENT OF SEPSIS**
[54] **COMPOSES CHROMANOL, QUINONE OU HYDROQUINONE POUR LE TRAITEMENT DE LA SEPTICEMIE**
[72] BOUMA, HJALMAR ROLAND, NL
[72] KRENNING, GUIDO, NL
[72] HENNING, ROBERT HENK, NL
[72] VAN DER GRAAF, ADRIANUS CORNELIS, NL
[71] SULFATEQ B.V., NL
[85] 2022-11-23
[86] 2021-06-02 (PCT/NL2021/050351)
[87] (WO2021/246868)
[30] NL (2025730) 2020-06-02

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[51] **Int.Cl. H01L 31/0747 (2012.01) H01L 31/0224 (2006.01)**
[25] EN
[54] **SOLAR CELL AND SOLAR CELLS MODULE**
[54] **CELLULE SOLAIRE ET MODULE DE CELLULES SOLAIRES**
[72] SCIUTO, MARCELLO, IT
[72] CANINO, ANDREA, IT
[72] CONDORELLI, GIUSEPPE, IT
[72] GERARDI, COSIMO, IT
[72] TERRASI, ANTONIO, IT
[72] TORRISI, GIACOMO, IT
[72] BATTAGLIA, ANNA, IT
[71] 3SUN S.R.L., IT
[85] 2022-11-25
[86] 2021-05-27 (PCT/IT2021/050167)
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[51] **Int.Cl. B61L 15/00 (2006.01) B61L 23/00 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND METHOD FOR A TRAIN**
[54] **SYSTEME ET METHODE DE COMMUNICATION**
[72] KLEMANSKI, RICHARD S., US
[72] HAAS, CARL L., US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2015-02-06
[41] 2016-05-19
[62] 2,957,517
[30] US (14/539,389) 2014-11-12

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[13] A1
[25] EN
[54] **METHOD OF CREATING PARAMETRIC RESONANCE OF ENERGIES IN THE ATOMS OF CHEMICAL ELEMENTS IN A SUBSTANCE**
[54] **PROCEDE DE CREATION D'UNE RESONANCE PARAMETRIQUE DANS DES ATOMES D'ELEMENTS CHIMIQUES FAISANT PARTIE D'UN COMPOSE**
[72] SELIVANOV, NIKOLAY IVANOVICH, RU
[71] NATURAL RESOURCE BENEFICIATION LIMITED, GB
[22] 2017-06-14
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[62] 3,067,347

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[51] **Int.Cl. E05B 17/00 (2006.01) E05B 65/10 (2006.01)**
[25] EN
[54] **DOOR HARDWARE NOISE REDUCTION AND EVALUATION**
[54] **REDUCTION ET EVALUATION DE BRUIT DE MATERIEL POUR PORTE**
[72] MCKIBBEN, AARON P., US
[72] MUSSELMAN, GREGORY, US
[72] EICKHOFF, BRIAN C., US
[72] MILLER, BENJAMIN L., US
[72] ARLINGHAUS, PAUL R., US
[72] MANI, VIJAYAKUMAR, US
[72] MOHAMMED, SAAGAR, US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2018-08-08
[41] 2019-02-14
[62] 3,076,893
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[13] A1
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[54] **VALVED CONDUIT**
[54] **CONDUIT A CLAPET**
[72] ARMSTRONG, JOSEPH R., US
[72] BENNETT, NATHAN L., US
[72] COLAVITO, KYLE W., US
[72] FIELD, EDWIN W., US
[71] W.L. GORE & ASSOCIATES, INC., US
[22] 2015-10-13
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[25] EN
[54] **SUBSTRATES, SYSTEMS, AND METHODS FOR ARRAY SYNTHESIS AND BIOMOLECULAR ANALYSIS**
[54] **SUBSTRATS, SYSTEMES ET PROCEDES POUR LA SYNTHESE DE RESEAU ET L'ANALYSE BIOMOLECULAIRE**
[72] RAJASEKARAN, JOHN J., US
[72] JAYARAMAN, VASANTH, US
[72] WANG, TIANHAO, US
[72] BEI, KANG, US
[72] KRISHNAMURTHY, HARI KRISHNAN, US
[71] VIBRANT HOLDINGS, LLC, US
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[62] 3,027,054
[30] US (61/726,515) 2012-11-14
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[30] US (PCT/US2013/062773) 2013-09-30

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[25] EN
[54] **COMPUTER SYSTEM, METHOD, AND DEVICE FOR VERIFYING AN IMMUNIZATION STATUS**
[54] **SYSTEME INFORMATIQUE, METHODE ET DISPOSITIF POUR VERIFIER UN STATUT D'IMMUNISATION**
[72] CHURCH, MARK, CA
[72] PACKULL, ZACHARY, CA
[71] FIN VENTURES CANADA INC., CA
[22] 2022-03-22
[41] 2022-09-22
[62] 3,152,908
[30] US (63/164,150) 2021-03-22

[21] **3,184,010**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR HIGH SPEED PROCESSING OF FINANCIAL INFORMATION FOR FINANCIAL RECORD MANAGEMENT**
[54] **METHODE ET APPAREIL DE TRAITEMENT HAUTE VITESSE DE RENSEIGNEMENTS FINANCIERS A DES FINS DE GESTION DE DOCUMENTATION FINANCIERE**
[72] PARSONS, SCOTT, US
[72] TAYLOR, DAVID E., US
[72] SCHUEHLER, DAVID VINCENT, US
[72] FRANKLIN, MARK A., US
[72] CHAMBERLAIN, ROGER D., US
[71] EXEGY INCORPORATED, US
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[25] EN
[54] **METHOD AND APPARATUS FOR HIGH-SPEED PROCESSING OF FINANCIAL MARKET DEPTH DATA**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT A GRANDE VITESSE DE DONNEES DE PROFONDEUR DE MARCHE FINANCIER**
[72] TAYLOR, DAVID E., US
[72] PARSONS, SCOTT, US
[72] WHATLEY, JEREMY WALTER, US
[72] BRADLEY, RICHARD, US
[72] GYANG, KWAME, US
[72] DEWULF, MICHAEL, US
[71] EXEGY INCORPORATED, US
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[62] 3,059,606

[21] **3,184,067**
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[25] EN
[54] **SINGLE-CHAIN TRAIL-RECEPTOR AGONIST PROTEINS**
[54] **PROTEINES AGONISTES DU RECEPTEUR TRAIL MONOCATENAIRES**
[72] HILL, OLIVER, DE
[72] GIEFFERS, CHRISTIAN, DE
[72] THIEMANN, MEINOLF, DE
[72] BUCHANAN, FRITZ G., US
[72] PHILLIPS, DARREN C., US
[72] LAPPE, SUSAN E., US
[71] ABBVIE INC., US
[71] APOGENIX AG, DE
[22] 2015-04-23
[41] 2015-10-29
[62] 2,946,402
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[21] **3,184,073**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR RECORDING A CONFERENCE CALL**
[54] **METHODE ET SYSTEME D'ENREGISTREMENT D'UN APPEL CONFERENCE**
[72] OLIVER, BRIAN ALEXANDER, CA
[72] PUNJABI, MANISH SUNDER, CA
[72] GUPTA, VIVEK, CA
[72] GEORGE, RICHARD JOHN, CA
[71] BLACKBERRY LIMITED, CA
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[41] 2012-08-18
[62] 2,768,811
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[21] **3,184,105**
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR INCREASING ALPHA-L-IDURONIDASE ACTIVITY IN THE CNS**
[54] **PROCEDES ET COMPOSITIONS DESTINES A AUGMENTER UNE ACTIVITE A-IDURONIDASE DANS LE SNC**
[72] PARDRIDGE, WILLIAM M., US
[72] BOADO, RUBEN J., US
[71] ARMAGEN INC., US
[22] 2008-07-25
[41] 2009-02-05
[62] 2,694,762
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[51] **Int.Cl. F21L 4/04 (2006.01) F21L 4/02 (2006.01) F21L 4/08 (2006.01) F21K 9/00 (2016.01)**
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[54] **PORTABLE LIGHT**
[54] **BALADEUSE**
[72] CACCIABEVE, ROBERT, US
[71] WALTER R. TUCKER ENTERPRISES, LTD., D/B/A E-Z RED COMPANY, US
[22] 2019-08-08
[41] 2020-04-09
[62] 3,051,437
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[21] **3,184,311**
[13] A1
[25] EN
[54] **PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS RESISTANT ANIMALS**
[54] **ANIMAUX RESISTANTS AU VIRUS DU SYNDROME REPRODUCTEUR ET RESPIRATOIRE PORCIN**
[72] PRATHER, RANDALL S., US
[72] WHITWORTH, KRISTIN, US
[72] WELLS, KEVIN, US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
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[62] 2,836,288
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[21] **3,184,359**
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[51] **Int.Cl. B62D 21/18 (2006.01) B62D 31/00 (2006.01)**
[25] EN
[54] **SIDE-BY-SIDE VEHICLE**
[54] **VEHICULE A SIEGES COTE A COTE**
[72] DECKARD, AARON D., US
[72] SAFRANSKI, BRIAN M., US
[72] SUNSDAHL, RICHARD L., US
[72] SCHNEIDER, MICHAEL D., US
[72] HANTEN, MICHAEL J., US
[72] JOHNSON, CAL W., US
[72] VAN BRONKHORST, KEVIN, US
[71] POLARIS INDUSTRIES INC., US
[22] 2010-06-15
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[62] 3,106,993
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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL WITH A HOOK-FORM LOCKING SYSTEM**
[54] **PANNEAU AVEC UN SYSTEME DE VERROUILLAGE EN FORME DE CROCHET**
[72] HANNIG, HANS-JURGEN, DE
[71] I4F LICENSING NV, BE
[22] 2015-12-07
[41] 2016-06-16
[62] 2,970,056
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[21] **3,184,386**
[13] A1
[25] EN
[54] **ELECTRONIC CVT WITH FRICTION CLUTCH**
[54] **CVT ELECTRONIQUE AVEC EMBRAYAGE A FRICTION**
[72] ZURBRUEGG, RONALD, CH
[72] JENNI, HANS-RUDOLF, CH
[72] FREI, MARCEL, CH
[71] POLARIS INDUSTRIES INC., US
[22] 2019-03-18
[41] 2019-09-26
[62] 3,094,207
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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/00 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **MULTI-USE BLOOD CONTROL SAFETY CATHETER ASSEMBLY**
[54] **ENSEMBLE DE CATHETER DE SECURITE POUR COMMANDE DE SANG MULTI-USAGE**
[72] HARDING, WESTON, US
[72] BURKHOLZ, JON, US
[72] LIU, HUIBIN, US
[72] CLUFF, KEN, US
[72] TRAINER, LAWRENCE, US
[72] BORNHOFT, STEPHEN, US
[72] MA, YIPING, US
[72] WHITAKER, WESTON, US
[72] SONDEREGGER, RALPH, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2015-04-17
[41] 2015-10-22
[62] 2,945,600
[30] US (61/981,223) 2014-04-18
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[13] A1
[51] **Int.Cl. A61B 5/20 (2006.01) A61B 18/14 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR DIAGNOSIS AND TREATMENT OF OVERACTIVE BLADDER**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR LE DIAGNOSTIC ET LE TRAITEMENT DE LA VESSIE HYPERACTIVE**
[72] TOTH, LANDY, US
[72] SCHWARTZ, ROBERT, US
[72] ROBINS, DAVID, US
[71] AUTONOMIX MEDICAL, INC., US
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[62] 2,876,080
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[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING HOSPITALITY DISTRIBUTION NETWORKS**
[54] **SYSTEMES ET PROCEDES DE CONTROLE DE RESEAUX DE DISTRIBUTION POUR L`INDUSTRIE DE L`ACCUEIL**
[72] AASEN, ERIC, US
[72] PULFORD, JOSHUA H., US
[72] STOEL, LEON P., US
[71] SONIFI SOLUTIONS, INC., US
[22] 2019-10-25
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[62] 3,060,291
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[51] **Int.Cl. B60W 50/00 (2006.01) B60L 15/00 (2006.01) B60R 16/00 (2006.01)**
[25] EN
[54] **VEHICLE ACTIVATION SYSTEMS AND METHODS FOR ELECTRIC VEHICLES**
[54] **SYSTEMES D'ACTIVATION DE VEHICULE ET PROCEDES POUR VEHICULES ELECTRIQUES**
[72] BERNATCHEZ, GABRIEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-04-07
[41] 2022-06-23
[62] 3,155,343
[30] US (63/193,241) 2021-05-26

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[51] **Int.Cl. C07K 16/28 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **BTLA AGONIST ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS AGONISTES ANTI-BTLA ET LEURS UTILISATIONS**
[72] ATWELL, SHANE KRUMMEN, US
[72] OBUNGU, VICTOR H., US
[72] VENDEL, ANDREW CHARLES, US
[71] ELI LILLY AND COMPANY, US
[22] 2018-05-11
[41] 2018-11-22
[62] 3,064,518
[30] US (62/508,510) 2017-05-19

[21] **3,184,635**
[13] A1
[25] EN
[54] **FAN AND FAN BLADES**
[54] **VENTILATEUR ET AUBES DE VENTILATEUR**
[72] SCHNEIDER, MARC, DE
[72] LUCIUS, ANDREAS, DE
[72] LEHMANN, MARIUS, DE
[71] EBM-PAPST MULFINGEN GMBH & CO. KG, DE
[22] 2021-03-04
[41] 2021-09-16
[62] 3,168,950
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[21] **3,184,653**
[13] A1
[25] EN
[54] **SAFETY SYRINGE ASSEMBLY**
[54] **ENSEMBLE SERINGUE DE SECURITE**
[72] PRINCE, TY L., US
[71] PRINCE, TY L., US
[22] 2019-09-04
[41] 2020-03-12
[62] 3,111,841
[30] US (62/727,136) 2018-09-05

[21] **3,184,758**
[13] A1
[25] EN
[54] **RECEIVER FOR HIGH SPECTRAL EFFICIENCY DATA COMMUNICATIONS SYSTEM USING ENCODED SINUSOIDAL WAVEFORMS**
[54] **RECEPTEUR POUR SYSTEME DE COMMUNICATION DE DONNEES A HAUT RENDEMENT SPECTRAL FAISANT APPEL A DES FORMES D'ONDE SINUSOIDALES CODEES**
[72] SCHULTZE, TORSTEN, DE
[71] TERAWAVE, LLC, US
[22] 2018-10-29
[41] 2019-05-02
[62] 3,115,577
[30] US (62/578,332) 2017-10-27
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[51] **Int.Cl. C12N 15/49 (2006.01) C07K 14/16 (2006.01) C12N 7/01 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **HIV CONSENSUS ENVELOPE SEQUENCES AND METHODS FOR USING SAME**
[54] **SEQUENCES D'ENVELOPPES DE CONSENSUS DU VIH ET METHODES D'UTILISATION**
[72] WEINER, DAVID B., US
[72] YAN, JIAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[22] 2007-07-30
[41] 2008-01-31
[62] 3,057,039
[30] US (60/833,861) 2006-07-28
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[13] A1
[25] EN
[54] **CARBONATION MACHINE AND A GAS CANISTER FOR A CARBONATION MACHINE**
[54] **MACHINE DE CARBONATATION ET CARTOUCHE DE GAZ POUR MACHINE DE CARBONATATION**
[72] DANIELI, GUY, IL
[72] COHEN, AVI, IL
[72] SHALEV, OREN, IL
[72] FUNT, MARK, IL
[72] RING, ALLAN, IL
[72] SHKEDI, AMNON, IL
[72] BRAND, DVIR, IL
[72] SHMUELI, EYAL, IL
[72] AVIGDOR, AMIT, IL
[72] SHAASHUA, ERAN, IL
[72] HARDUFF, HAGAI, IL
[72] KROM, DORON, IL
[71] SODASTREAM INDUSTRIES LTD., IL
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[62] 3,128,464
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[51] **Int.Cl. A61M 5/19 (2006.01) A61M 5/178 (2006.01) A61M 5/20 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **INJECTION MECHANISM UTILIZING A VIAL**
[54] **MECANISME D'INJECTION UTILISANT UN FLACON**
[72] LIMAYE, AMIT, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2013-04-08
[41] 2013-10-17
[62] 2,869,479
[30] US (61/686,609) 2012-04-09

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[13] A1
[25] EN
[54] **FAN AND FAN BLADES**
[54] **VENTILATEUR ET PALES DE VENTILATEUR**
[72] SCHNEIDER, MARC, DE
[72] LUCIUS, ANDREAS, DE
[72] LEHMANN, MARIUS, DE
[71] EBM-PAPST MULFINGEN GMBH & CO. KG, DE
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[41] 2021-09-16
[62] 3,168,948
[30] DE (10 2020 106 534.5) 2020-03-10

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[13] A1
[51] **Int.Cl. C01F 7/56 (2022.01)**
[25] EN
[54] **METHOD FOR PRODUCTION OF ALUMINUM CHLORIDE DERIVATIVES**
[54] **PROCEDE DE PRODUCTION DE DERIVES DE CHLORURE D'ALUMINIUM**
[72] WONDER, BRUCE, US
[71] USALCO, LLC, US
[22] 2015-09-11
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[62] 2,960,999
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[21] **3,185,021**
[13] A1
[25] EN
[54] **METHODS, SYSTEMS, AND DEVICES FOR FRACTURING FLUID DELIVERY TO SUBSURFACE FORMATIONS**
[54]
[72] YEUNG, TONY, US
[72] TEW, NICHOLAS, US
[72] NIEUWENBURG, WILLIAM, US
[71] BJ ENERGY SOLUTIONS, LLC, US
[22] 2021-05-27
[41] 2022-01-17
[62] 3,119,916
[30] US (62/705,850) 2020-07-17
[30] US (63/201,721) 2021-05-11
[30] US (17/303,146) 2021-05-21
[30] US (17/303,150) 2021-05-21

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MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,011,422
MIYAMOTO, YUKINO 3,116,571
MMD DESIGN & CONSULTANCY LIMITED 2,953,673
MOHANTY, RASHMI RANJAN 3,106,316
MOLECULAR REBAR DESIGN, LLC 3,020,462
MOLHOJ, MICHAEL 2,939,852
MOLINA, JESUS 3,081,842
MOLINER, LUCIO 2,966,946
MONENSCHEIN, HOLGER 2,934,247
MONNERY, BRYN 2,955,301
MONSANTO TECHNOLOGY LLC 2,865,723
MONSARRAT, BRUNO 2,978,520
MONSEES, JAMES 3,132,342
MONTECUCCO, FABRIZIO 2,930,489
MORENSTEIN, JOSHUA 3,132,342
MORETTI, CHRISTIANNE 2,897,721
MORI, YUTAKA 3,036,424
MORII, NAOHARU 2,924,014
MORITA, YASUHIRO 2,977,614
MORRIS, JAMES ALAN 2,924,243
MORRIS, STEVEN 2,964,668
MOTOMURA, SHINSUKE 3,097,331
MOTOROLA SOLUTIONS, INC. 3,039,835
MOUNTAIN, MICHAEL 3,077,451
MOUNTAINLAND, DAVID M. 2,999,460
MOUSSA, ADEL 2,978,085
MUCHHAL, UMESH 2,939,626
MUELLER, THOMAS G. 2,905,626
MUENSTERMANN, MIKE 2,980,638
MULDERS, SUSAN ALLEGONDA MARIA 3,103,101
MULEY, THOMAS 3,099,612
MULLER, MARKUS 3,085,020
MULLER, ULRICH 2,926,042
MUNCH BABY INC. 3,101,030
MUTHURAMAN, KARTHIK N. 2,933,042
NADARAJAH, GUNALAN 2,897,721
NAGAI, KAZUKI 3,090,794
NAGAI, KAZUKI 3,090,830
NAKAGAMI, OHJI 3,128,226
NAKANO, NATSUKO 3,107,833
NAKANO, TAKUMA 3,037,829
NANJING CHERVON INDUSTRY CO., LTD. 3,110,144
NARA, HIROMI 2,954,754
NATIONAL INSTITUTE OF PLANT GENOME RESEARCH 3,030,660
NATIONAL RESEARCH COUNCIL OF CANADA 2,941,823
NATIONAL RESEARCH COUNCIL OF CANADA 2,978,520
NAVYA NETWORK INC. 2,906,297
NEC PLATFORMS, LTD. 3,090,794
NEC PLATFORMS, LTD. 3,090,830
NEGRI, GIULIO 3,103,782
NEGRINI, ROBERTO 2,945,708
NEO MONITORS AS 3,085,305
NESTERENKO, DMITRY LEONIDOVICH 3,068,408
NESTINGER, STEPHEN S. 3,005,902
NEWLENOIR LIMITED 2,936,050
NEWTON, MARK 2,986,381
NGUYEN, ANTHONY HAITUYEN 3,076,736
NGUYEN, DAVID TONG 2,901,454
NGUYEN, TUAN 3,138,585
NICKLESS, WILLIAM K. 2,919,613
NIE, FANGJIE 3,110,144
NIEMIEC, AARON 2,981,274
NIKE INNOVATE C.V. 2,950,297
NIPPON STEEL CORPORATION 3,078,333
NIPPON TELEGRAPH AND TELEPHONE CORPORATION 3,092,131
NISHIYA, SATOSHI 2,929,048
NISSAN MOTOR CO., LTD. 2,994,059
NISSAN MOTOR CO., LTD. 3,046,941
NKT HV CABLES AB 3,005,922
NONIN MEDICAL, INC. 3,036,609
NOONAN, MICHAEL 2,916,248
NORCO INDUSTRIES, INC. 2,922,000
NORDGREN, GREGORY 3,060,660
NORMANDIN, FRANCOIS 2,941,823
NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION 3,136,834
NOVARTIS AG 2,918,190
NOVARTIS AG 2,947,198
NOVARTIS AG 3,041,592

NOVELIS INC. 3,106,316
NOVINIUM, LLC 2,986,381
NOVO NORDISK A/S 3,051,865
NOVOZYMES A/S 2,941,536
NUSCALE POWER, LLC 2,869,901
NYAT PENG WONG, SARAH 3,131,133
NYLANDER, JAMES ALLAN 2,869,901
NYSTUEN, PAUL A. 2,961,199
O'CONNELL, KEVIN J. 3,152,570
O'REILLY, NEIL J. 2,963,600
ODA, YOSHIHIKO 3,116,571
OEHLER, BLANDINE 3,110,822
OFEK, CHEN 2,828,363
OH, CHANGYUB 3,055,420
OH, SANGKON 2,916,694
OHNO, JUN 3,117,925
OIKONOMOU, NIKOLAOS 2,762,473
OKUBO, TOMOYUKI 3,116,571
OKUMURA, GENKI 3,021,631
OLIPHANT, ARNOLD 2,807,594
ONKURE, INC. 2,950,315
ORWAT, MICHAEL J. 2,937,738
OSAKA GAS CO., LTD. 2,974,328
OSBORNE, HAMISH 2,924,039
OTSUKA, ERI 3,036,424
OWENS CORNING INTELLECTUAL CAPITAL, LLC 2,973,691
OWENS CORNING INTELLECTUAL CAPITAL, LLC 3,062,201
PABBISETTY, KUMAR BALASHANMUGA 2,937,738
PACE, LOUIS G. 3,138,585
PACIFIC ROLLER DIE COMPANY, INC. 2,984,680
PACYLEX PHARMACEUTICALS INC. 2,890,113
PAGEAT, PATRICK 2,943,080
PAHUD, MICHEL 2,959,715
PAN, FENG 2,967,770
PAN, WEIDONG 3,076,022
PANFIL, PETER A. 3,136,271
PANTHER, GYLES 3,088,441
PAPAFOTIOU, GEORGIOS 2,762,473
PAPAPETROPOULOS, SPYRIDON 3,035,099
PAPARO, ARI 3,027,898
PARAKININKAS, KESTAS P. 3,078,625
PARAS, NICK A. 2,959,615
PARISSAUX, XAVIER 2,930,489
PARK, JOO HWANG 3,086,466
PARK, MIN 3,076,022
PARK, SEYONG 3,047,827
PARK, SUNG HEE 3,080,189
PARKER, DAVID BRUCE 2,947,740
PARKER-HANNIFIN CORPORATION 2,958,325
PARKS, DAVID 2,915,931
PARR, JEREMY 3,066,603
PARSONS, SCOTT 3,059,606
PARVIN, CURTIS 2,759,416
PARVULESCU, ANDREI-NICOLAE 2,926,042
PASTERNAK, ALEXANDER 3,076,022
PASTORINO, PAOLO ETTORE 2,989,944
PASTOUCHENKO, NIKOLAI N. 3,037,672
PASTUSEK, PAUL E. 3,078,703
PATTEN, MICHAEL J. 2,968,009
PEACH, WALTER J. 2,922,558
PEARCE, KENNETH A. 2,973,956
PELLA CORPORATION 3,066,603
PEPTIDREAM INC. 3,036,424
PERINPANAYAGAM, CONGANIGE MANEKA ANNE 2,890,113
PERKINS, RAYMOND PATRICK 2,947,740
PERLMAN, STEPHEN G. 2,973,956
PERRE, EMILIE MARIE 2,971,502
PERRONE, CARL A. 2,939,480
PETERSEN, KALEN 3,069,090
PETERSON, SEAN D. 3,019,907
PETIT, STEPHANE 2,969,558
PEYROTTE, CHRISTIAN 2,913,656
PFIZER INC. 3,103,051
PHADTE, MANGALA 2,924,243
PHAN, LOC 3,157,978
PHILLIPS, FRANK 3,091,925
PHYZHON HEALTH INC. 3,088,574
PIAO, KUN 3,037,098
PICH, EMMANUEL 2,920,032
PICKENS, LAUREN BARBARA 2,903,053
PIERRE FABRE MEDICAMENT 2,890,265
PIN, CLEMENT A., III 3,122,663
PIND, PETER FRODE 2,941,536
PINI, ELENA 2,957,619
PINTO, DONALD J.P. 2,937,738
PIOTROWSKI, DAVID W. 3,103,051
PIPER, DEREK E. 2,858,572
PISCHEL, IVO 2,875,908
PISCOPIO, ANTHONY D. 2,950,315
PISOLKAR, TANVI 2,975,326
PLANETA, MIROSLAV 3,014,699
PLANT BIOSCIENCE LIMITED 2,826,720
PODUST, VLADIMIR 2,865,578
POLARIS INDUSTRIES INC. 3,095,377
POLYMEROPOULOS, MIHAEL 3,129,833
PORTER, RACHAEL 2,924,039
POSTER, MATTHEW J. 2,980,638
POTENZIANO, JIM 3,114,977
POURCEL, CHRISTINE 1,341,641
POWAR, RAHUL 2,963,516
POWELL, DANIEL J. 2,824,997
POWELS, GREG 2,972,343
PRATT & WHITNEY CANADA CORP. 2,834,127
PRATT & WHITNEY CANADA CORP. 2,877,222
PRESSION LLC 3,019,907
PRIBYL, ERIC L. 2,896,086
PRICE, WAYNE 3,102,227
PRILENIA NEUROTHERAPEUTICS LTD. 3,035,099
PRINCE, CHEKEMA N. 3,019,907
PROLEC-GE INTERNACIONAL, S. DE R.L. DE C.V. 2,977,292
PROTOTUS, LTD. 2,874,754
PULKIN, MAXIM 3,039,720
Q-LINEA AB 2,949,732
QIAN, JINGXING 3,095,925
QUALCOMM INCORPORATED 2,962,109
QUALCOMM INCORPORATED 3,047,827
QUIAPEG PHARMACEUTICALS AB 3,086,651
R.F. WIRELESS SYSTEMS INC. 3,113,535
RABOISSON, PIERRE JEAN-MARIE BERNARD 2,954,751
RAINA, ANIRUDDHA 3,091,925
RAMAKRISHNAN, KISHORE 3,037,672
RAMARAJAN, NARESH 2,906,297
RAMSEY, PETER 2,964,687
RANADE, RAHUL A. 2,945,994
RANDOLPH, JIMMY BRYAN 2,891,287
RANKIN, JAMES TERRELL 3,085,058
RAO, VEENA 3,051,865
RATNER, COREY 3,094,864
RATNER, RYAN 3,094,864
RAVA, RICHARD P. 3,013,572
RAYBORN, RANDALL LINWOOD 2,947,740
REARDEN MOVA, LLC 2,973,956
REBILLARD, ERIC 3,005,922
REBNEGGER, CORINNA 3,125,217
REGENER, THORSTEN 3,053,778
REGULA, JOERG THOMAS 2,939,852
REICH, ADAM A. 2,961,199
REICHARD, HOLLY 2,934,247
REID, CHRISTOPHER EDWIN JOHN 3,170,579
REID, PATRICK 3,036,424
REKDAHL, KNUT ARVID SORENSEN 2,970,044
REKOW, MATHEW NOEL 3,005,902
REQUENA, EMILI 3,093,778
RESEARCH CORPORATION TECHNOLOGIES, INC. 2,903,252
REYES, ENRIQUE ANTONIO 3,063,680
REYNOLDS PRESTO PRODUCTS INC. 3,083,604
REZENDE, FELIPE BONI 2,906,077
REZENDE, FELIPE BONI 2,906,212
RICHTER, FRANK 3,108,107
RIEDEL, DOMINIC 2,926,042
RIELLO S.P.A. 2,967,910
RIJKSUNIVERSITEIT GRONINGEN 2,999,428
RINGOLD, CLAY E. 2,964,972
RIO TINTO ALCAN INTERNATIONAL LIMITED 2,969,558
RIOUX, ROBERT F. 3,091,925
RITTER, GEBHARD 2,950,671
ROBERTS, DAMIEN G. 3,038,066
ROBERTS, TOM 2,957,085
ROBINSON, PETER G. 3,138,585
RODRIGUEZ-RUIZ, VIOLETA 2,873,379
ROESSLER, FRANCIS C. 2,947,282

ROMAND, SANDRINE 2,947,198
ROQUETTE FRERES 2,930,489
ROSELIER, SAMUEL 2,966,779
ROSENDIN ELECTRIC, INC. 2,961,591
ROSENFELD, LEONARD 2,906,077
ROSENFELD, LEONARD 2,906,212
ROSS, WILLIAM 3,140,464
ROSSINI, MAURO 2,899,129
ROTH, EMMANUEL 2,971,367
ROUNDING, KATHRYN 2,886,485
ROURKE, HOWARD NEIL 3,088,574
ROVI GUIDES, INC. 2,940,427
RSEM, LIMITED PARTNERSHIP 2,901,946
RUBIN, DARREN 3,071,911
RUETER, MICHAEL A. 2,999,460
RUGGERI, ROGER B. 3,103,051
RUSSELL, CLAIRE JANET 2,924,243
RUSSELL, SALLY ELIZABETH 2,924,243
RUZ PALOMAR, VERONICA 2,883,040
RYAN, STEPHEN 2,965,188
RYAZANOV, MIKHAIL VLADIMIROVICH 3,068,408
RZESZUTEK, RICHARD J. 3,095,925
RZEZAK, LEANDRO 2,973,249
SACHAROV, EYAL 3,108,525
SAEPLAST AMERICAS INC. 3,100,152
SAFEWAY SAFETY STEP, LLC 2,955,518
SAFRAN AIRCRAFT ENGINES 2,965,396
SAITO, HIRONAO 3,036,424
SAKUMA, YUKIO 3,101,466
SAKURAI, HIRONARI 3,128,226
SALAMON, ADAM C. 3,019,907
SALOME, MARC 2,930,489
SALTEL INDUSTRIES 2,966,779
SALTEL, JEAN-LOUIS 2,966,779
SAMUEL, JAYAKUMAR P. 2,922,823
SAMUEL, ROBELLO 2,925,719
SAN JAMAR, INC. 2,980,638
SANTOS, ALEXANDRE 3,023,109
SAPIEHA, PRZEMYSLAW 2,901,946
SAPPA, ENRICO 2,948,766
SARAEV, DENIS YURIEVICH 3,068,408
SARKAR, SUJAY 3,110,822
SASTRY-DENT, LAKSHMI 2,922,823
SATO, HIROTAKA 2,937,050
SATO, MASAAKI 2,929,048
SAUDI ARABIAN OIL COMPANY 3,089,466
SAUNDERS, BRIAN 2,964,668
SAVANT SYSTEMS, INC. 2,916,248
SAVOLA, JUHA-MATTI 3,035,099
SAWYER, STEVEN LEE 3,159,713
SBIHLI, SCOTT LEO 2,897,760
SCHAEFER, WOLFGANG 2,939,852
SCHELLENBERGER, VOLKER 2,865,578
SCHIEDEL, CHRISTIANE 3,041,592
SCHJODT, NIELS CHRISTIAN 3,010,549
SCHLEICHER, KRISTIN 2,934,247
SCHLEUSNER, BRADLEY K. 2,961,199
SCHMIDT, DANIEL 3,159,591
SCHMIDT, DAVID J. 3,078,703
SCHMIDT, JEFFREY 3,114,977
SCHMITZ, CHRISTOPH 3,085,020
SCHNAUFER, WILLIAM E. 3,052,318
SCHNITMAN, ROBERT 3,114,977
SCHULTZ, TIMOTHY D. 2,922,000
SCHUURING, EDUARDUS MARIA DOMINICUS 2,999,428
SCHWARZBERGER, NEAL A. 3,052,318
SCICLONE PHARMACEUTICALS INTERNATIONAL LTD. 2,962,451
SCOTTI, CHRISTINE M. 3,097,133
SEMINIS VEGETABLE SEEDS, INC. 2,826,720
SEQUOIA VACCINES 2,924,464
SERRE, CHRISTIAN 2,873,379
SHAH, KHALID 2,939,546
SHAHAR, LIOR 2,828,363
SHARP KABUSHIKI KAISHA 3,039,452
SHEETRIT, EYAL 2,968,926
SHELLEY, PAUL H., JR. 2,938,605
SHEN, GONGYU 2,975,326
SHEN, LIU Y. 2,922,823
SHENOUDA, ANTWAN 2,834,127
SHEPPARD, JAMES WILLIAM 2,989,944
SHI, FENG 2,950,315
SHI, ZHIHUA 3,066,674
SHIBAMOTO, YASUHIRO 3,026,413
SHIBATA, YOSHITAKA 2,974,328
SHIBUYA, AKIRA 3,021,631
SHIBUYA, KAZUKO 3,021,631
SHINOHARA, YUJI 2,899,822
SHKRED, VITALY Y. 3,093,918
SHOPIFY INC. 3,127,810
SHORT, ROBERT 2,992,460
SHOU, ADA YIWEN 2,924,039
SHOWMAN, ISAAC 2,963,516
SICPA HOLDING SA 2,950,671
SIDEL ENGINEERING & CONVEYING SOLUTIONS 2,971,367
SIEMENS AKTIENGESELLSCHAFT 3,068,408
SIGSWORTH, JOSHUA 3,023,903
SIKULJAK, TATJANA 2,927,454
SILVA, MICHAEL 2,916,248
SILVER, ADAM 2,957,085
SILVER, MIKIYA 3,052,984
SILVERMAN, BRETT M. 2,999,460
SIM, BEE-CHENG 2,865,578
SINGH, HARSOVEET 3,095,925
SKAAKSRUD, OLE-PETTER 3,090,892
SKVORTSOV, DIMITRI 3,013,572
SLEHTA, STEFAN 3,127,810
SLOVETSKIY, SERGEY 3,091,185
SMART TECHNOLOGIES ULC 2,886,485
SMIESZEK, SANDRA 3,129,833
SMITH, DAVID R. 2,909,560
SMITH, LEE 2,999,460
SMITH, LEON M., II 2,937,738
SMITH, RICHARD J. 3,091,766
SMYLIO INC. 3,157,978
SNOW, MICHAEL LLOYD 3,077,451
SOBEL, KENNETH 3,109,128
SOILGENIC TECHNOLOGIES, LLC 2,947,740
SOLOVYEV, TIMOFEY MIKHAILOVICH 3,093,048
SOMALOGIC OPERATING CO., INC. 3,103,560
SOMMADOSSI, JEAN-PIERRE 2,978,085
SON, CHANGOOK 3,106,316
SONAWANE, RAVINDRA 2,924,243
SONG, JIE 2,940,550
SONG, KEN 2,807,594
SONGRAS, DONALD R. 2,986,381
SONNAX TRANSMISSION COMPANY 2,957,026
SONY CORPORATION 2,899,822
SONY CORPORATION 3,128,226
SOORIANARAYANAN, SEKHAR 2,897,760
SOREMARTEC S.A. 2,948,766
SPAMER, DAVID J. 3,088,574
SPARKLE CS LTD 2,921,429
SPARKS, ANDREW 2,807,594
SPCM SA 2,920,032
SPECK, JOHN 2,973,956
SPENCE, DAN KENRICK 2,952,661
SPENCER, MICHAEL 2,963,600
SPIRIDONOVA, IRINA 2,959,715
SPITSBERG, YURI 2,915,931
SPLAINE, STEVEN J. 3,027,898
SRISKANDHA, SHIVANTHI EASWARI 3,077,035
SRIVASTAVA, GITIKA 2,906,297
ST9 GAS AND OIL, LLC 3,079,229
STAFFORD, CHRISTOPHER BRIAN 2,955,518
STAIRASSIST WALKER, LLC 3,023,903
STAM, SIMON MORDECHAI 2,924,039
STANFILL, CRAIG W. 3,078,469
STANNARD, JOHN 3,029,070
STANTON, JAMES WILLIAM 2,924,039
STAUDUHAR, SUZANNE 3,077,853
STEELE, JAMES 2,986,381
STEPHENSON, STANLEY V. 3,106,808
STERLING, DAVID 3,103,560
STERNBERG, HAL 2,800,616
STEWART, CHRISTOPHER GEORGE 3,055,208
STEWART, STACEY E. 3,095,377
STOCK, BURKHARD 3,065,699
STOCKLEY, MARTIN 2,976,741
STORA ENSO OYJ 2,969,802
STREBNEV, ALEKSANDR NIKOLAEVICH 3,016,128
STREED, ERIC W. 2,957,026
STUELPNAGEL, JOHN 2,807,594
STUPHANN, ANDREAS 2,984,918
STURTEVANT, BRYCE D. 3,020,462
SUBRAHMANYA, NIRANJAN A. 3,070,479
SUDARSAN, SRI 2,967,770
SULZER MANAGEMENT AG 2,912,705
SUN, HUKAI 2,934,247
SUN, PENGDA 3,152,209
SUN, WANYING 3,076,022
SUN, ZHIJIE 3,094,358
SUNCOR ENERGY INC. 3,037,959

SUND, CHRISTIAN 3,086,651
SUPONCIC, MICHAEL J. 2,960,843
SWAIN, DURGA MADHAB 3,030,660
SWEDISH ALGAE FACTORY AB 3,026,468
SWEDISH MATCH NORTH EUROPE AB 3,085,204
SWEENEY, MATTHEW 3,140,464
SWOGGER, KURT W. 3,020,462
SYCHEV, MAXIM BORISOVITCH 3,093,048
SYLENTIS SAU 2,883,040
SYMBOL TECHNOLOGIES, LLC 3,095,925
SYNGENTA LIMITED 2,924,243
SYNGENTA PARTICIPATIONS AG 2,924,243
T-MOBILE USA, INC. 3,091,185
TABATABAEE, HASSAN ALI 3,077,853
TABOTA, EVGENIY 2,940,158
TACO, INC. 2,939,480
TACTICAL MEDICAL SOLUTIONS, LLC 3,138,929
TAHERI, MEHRDAD 3,029,070
TAI, ANNA 2,903,053
TAI, YANG 3,144,609
TAIGA MOTORS INC. 3,113,909
TAKAHASHI, EIJI 3,046,941
TAKAHASHI, KENZO 3,098,661
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,934,247
TAL, ROYI 3,124,173
TALEBI, VARGHA 3,131,133
TALLYSMAN WIRELESS INC. 3,088,441
TAMBER, HARINDER 3,014,699
TAMEZ TORRES, GERARDO 2,977,292
TANAKA, HIDENORI 2,969,103
TANAKA, HIROSHI 3,011,422
TANAKA, KATSUKI 3,078,333
TANG, HAIFENG 3,076,022
TANG, HUIMING 3,057,086
TANNANT, DWAYNE 3,057,086
TARDIE, MICHAEL 2,992,460
TASKER, DIANA MARGARET 3,088,574
TAVARES, JOAO ANDRE CURRALO 3,050,060
TAX, DAVID SAMUEL 3,076,736
TAYGERLY, JOSHUA 2,959,615
TAYLOR, DAVID, E. 3,059,606
TAYLOR, ROBERT WARREN 2,958,325
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,082,758
TELES, JOAQUIM HENRIQUE 2,926,042
TEMP4 INC. 2,914,162
TERRACOH, INC. 2,891,287
TERUMO BCT BIOTECHNOLOGIES, LLC 3,078,625
TESTANI, JEFFREY MOORE 3,051,865
THALES 2,913,656
THALES DIS CPL USA, INC. 2,967,770
THAYER, SCOTT M. 3,038,066
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,012,929
THE BOEING COMPANY 2,938,605
THE BOEING COMPANY 2,981,274
THE NIELSEN COMPANY (US), LLC 3,027,898
THE PROCTER & GAMBLE COMPANY 3,037,098
THE TORONTO DOMINION BANK 2,897,721
THE TORONTO-DOMINION BANK 3,076,736
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,824,997
THERANOS IP COMPANY, LLC 2,907,504
THOMPSON, GREGG 3,083,604
THOMSON REUTERS ENTERPRISE CENTRE GMBH 2,963,516
THUROW, BRADLEY R. 2,961,199
TIANJIN NAVIGATION INSTRUMENTS RESEARCH INSTITUTE 3,144,609
TIEMESSEN, HENRICUS 3,041,592
TIOLLAIS, PIERRE 1,341,641
TISCHLER, HEIKE 2,912,705
TJELLE, TORUNN ELISABETH 2,970,044
TOLMIE, CRAIG R. 3,114,977
TOPSOE A/S 3,010,549
TORAY INDUSTRIES, INC. 2,977,614
TORCHINSKY, MATIAS 2,973,249
TORRES, TERRENCE J. 3,087,534
TOTAL MARKETING SERVICES 2,903,053
TOWNSEND, DAVID F. 2,964,972
TOYOBO CO., LTD. 2,969,103
TRAKA, MARIA 2,826,720
TRANSPORTATION IP HOLDINGS, LLC 2,922,558
TRENTIN, ANTONELLA 2,899,129
TRIANTAFILLOU, PETER 3,100,152
TSONG, ANNIE ENING 2,903,053
TSUJI, RYOHEI 3,036,937
TSUJIUCHI, TATSUYA 3,011,422
TUDYK, MIRIAM 2,972,343
TUTHILL, CYNTHIA 2,962,451
TYLER, EJAN 2,892,586
TYLL SOLAR, LLC 2,954,881
UBER TECHNOLOGIES INC. 3,140,464
UCHINO, YOUSUKE 3,117,925
UDAGAWA, SHUJI 2,977,614
UENO, RYUJI 2,863,695
UHL, GEORG 2,926,042
UMEZAWA-VIZZINI, KAYO 2,963,600
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HAYES, JOHN 3,176,419
HAZARD, STEPHANIE LOUISE 3,176,379
HCW BIOLOGICS, INC. 3,184,756
HE, JING 3,176,401
HE, LIZHONG 3,184,768
HEART SENSE SP. Z O. O. 3,176,358
HEATH, KEVIN M. 3,184,907
HECHT, GIL 3,174,840
HEIBEL, MICHAEL D. 3,176,499
HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH) 3,184,795
HENLEY, THOMAS 3,176,416
HENNING, ROBERT HENK 3,185,054
HENRY, RYAN 3,184,645
HENSELEIT, ANDREW 3,176,419
HENSON, MARK W. 3,176,524
HERCULES LLC 3,176,772
HERMES, TASHA 3,176,215
HERRENKNECHT AKTIENGESELLSCHAFT 3,174,494
HERRERA JUAREZ, JESUS ANTONIO 3,184,512
HERRIG, ANDREAS 3,176,354
HESS, CHRISTIAN 3,184,899
HIEMSTRA, IDA 3,176,436
HILL, KRISTEN 3,185,011
HILL, MATTHEW JOHN 3,184,792
HIRD, ALEXANDER W. 3,174,207
HOCINE, RACHID HOCINE 3,176,497
HOGGE, GARY 3,184,790
HOHLRIEDER, MARTIN 3,176,396
HOKE, JOLENE 3,176,578
HOLDEN, CLARE 3,184,904
HOLLEBRANDSE, FLORENZ ALLEWIJN PIETER 3,176,657
HOLUB, PAVEL 3,174,622
HOOKIPA BIOTECH GMBH 3,184,791
HOPKINS, TAMARA WYNN 3,176,488
HORNUNG, FLORIAN 3,184,794
HOSEINI, SAYED SHAHABUDDIN 3,176,391
HOUCHEN, COURTNEY W. 3,176,375
HSIEH, JING 3,174,864
HU, CHENG 3,181,236
HU, LIHONG 3,177,298
HUANG, YONGZHENG 3,142,411
HUAWEI TECHNOLOGIES CO., LTD. 3,176,530
HUBBELL CORPORATED 3,176,648
HUBER, ROLAND 3,176,396
HUGHES, DAVID 3,176,361
HUGHES, ELISHA 3,176,329
HUIE, MIKE 3,176,305
HUMAN, JAN PETRUS 3,174,506
HUNTER, CAMERON 3,184,886
HUNTER, JUSTIN 3,176,345
HUNTSMAN INTERNATIONAL LLC 3,184,900
HURTSEN, ANNA KAROLINA MARIA STENE 3,184,804
HUSAIN, MOHD MUSHTAQ 3,176,697
HUSTON DAVENPORT, ADRIENNE 3,176,520
HUTCHINSON, GERALD A. 3,176,548
HWANG, ANDY 3,184,791
HWANG, JINHO 3,174,842
HYBRIT DEVELOPMENT AB 3,176,355
HYLLANDER, JENNY ANNA GUNILLA 3,176,355
IACOBUCCI, CORINNE 3,184,791
IBANEZ, CARLOS 3,176,697
IDIENCE CO., LTD. 3,176,219
IDORSIA PHARMACEUTICALS LTD 3,176,526
IGNEA, CODRUTA 3,174,530
IIDA, TADASHI 3,184,767
IIZUKA, NAOKI 3,184,915
IKOMED TECHNOLOGIES INC. 3,185,006
ILLOUZ, SIMON 3,176,218
ILYIN, ILYA 3,176,359
IMPERATIVE CARE, INC. 3,184,745
INADA, TAKANOBU 3,176,589
INCYTE CORPORATION 3,184,633
INCYTE CORPORATION 3,184,811
INNOPHOS, LLC 3,176,312
INOUE, MASAMI 3,184,504
INOVA LTD. 3,176,335
INSCRIPTA, INC. 3,176,309
INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,176,497
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,184,802
INSTITUT CURIE 3,176,497
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE(INSERM) 3,178,633
INSTITUT PASTEUR 3,176,386
INTEGRATED DNA TECHNOLOGIES, INC. 3,176,675
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,174,842
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,170

INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,172
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,180
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,185
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,192
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,367
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,373
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,176,383
INTERNATIONAL FLAVORS & FRAGRANCES INC. 3,176,488
INTIMA BIOSCIENCES, INC. 3,176,416
IOMX THERAPEUTICS AG 3,176,325
IOVANCE BIOTHERAPEUTICS, INC. 3,176,356
IRELAND, IAN 3,176,611
ISCAR LTD. 3,174,840
IVES, STEPHEN 3,176,510
IVIE, MICHAEL ANDREW 3,176,346
IXCHEL PHARMA, LLC 3,175,830
IYER, SUSHIL 3,176,369
IZQUIERDO USEROS, NURIA 3,176,548
J-OIL MILLS, INC. 3,184,504
JACOBS, JAMES 3,184,745
JACOBSEN, ULF 3,174,288
JAESCHKE, GEORG 3,174,207
JAKUBOWSKA, MA?GORZATA 3,176,358
JAMBORETZ, KATHERINE 3,184,752
JANCZAK, DANIEL 3,176,358
JANI, RUCHA D. 3,176,486
JANIN, YVES 3,176,386
JANSSEN PHARMACEUTICA NV 3,174,837
JANSSON, KAJ 3,184,621
JARBOE, JEFFREY 3,185,037
JEBRAMCIK, PATRICK 3,184,773
JEBRAMCIK, PATRICK 3,184,798
JENEWEIN, STEFAN 3,176,520
JENKINS, ERIC D. 3,176,381
JENSEN, PETER RUHDAL 3,176,393
JI, LI 3,184,768
JIA, JIFEI 3,184,750
JIANG, CHANG 3,174,849
JIANG, XIU 3,177,298
JOHANSSON, MARIA 3,184,899
JOHNS, MARY K. 3,176,483
JOHNS, MARY K. 3,176,509
JOHNSON, DAVID 3,176,417
JOHNSON, ELIZABETH CHRISTINE 3,184,792
JOHNSON-RAUHOFF, INC. 3,176,305
JOLLY, DOUGHLAS J. 3,176,697
JOLTZ LLC 3,176,338
JOLTZ LLC 3,176,339
JOLY, MAXIME 3,185,005
JONCHERAY, THOMAS JULIEN 3,184,900
JONES, JUSTIN CHARLES 3,184,792
JORGENSEN, JEPPE 3,176,345
JPMORGAN CHASE BANK, N.A. 3,176,657
JT INTERNATIONAL SA 3,176,519
JUNG, DOO YOUNG 3,176,543
KADMON CORPORATION, LLC 3,184,746
KAKIMOTO, KENICHI 3,184,504
KALLURI, RAVI 3,176,315
KAMPRANIS, SOTIRIOS 3,174,530
KAMSHAD, KOUROSH 3,185,037
KAN, TZU YU 3,176,306
KANDALA, ABHINAV 3,176,170
KANG, TSUNG-SHENG 3,176,383
KANNAN, SUJATHA 3,176,523
KAO, AMY HUI-CHIEN 3,185,015
KAPLAN, MARC 3,176,214
KARAGIANNIS, SOPHIA 3,176,300
KARLSSON, INGRID 3,185,020
KARUSHEV, MIKHAIL P. 3,176,359
KASAHARA, NORIYUKI 3,176,697
KASKAR, BASHIR 3,184,810
KATCHAR, KIANOOSH 3,184,791
KATSUMATA, SHUICHI 3,174,619
KAULMANN, TIM 3,184,773
KAULMANN, TIM 3,184,798
KAWASHIMA, HIROKI 3,184,767
KEANE, ROBERT W. 3,176,518
KEANE, ROBERT W. 3,176,521
KELLE-OZDEMIR, DOLUNAY 3,184,795
KELOUWANI, SOUSSO 3,182,214
KENT CORPORATION 3,184,630
KESTI, MATTI JAAKKO JOHANNES 3,185,014
KEZIRIAN, MICHAEL T. 3,176,710
KHANDELWAL, NISIT 3,176,325
KHANDELWAL, RAHUL 3,172,093
KHVOROVA, ANASTASIA 3,176,204
KIEFFER, YANN 3,176,497
KIERSTEAD, HANS 3,184,883
KIFFEL, YANIV 3,176,494
KIMBERLY-CLARK WORLDWIDE, INC. 3,176,327
KING'S COLLEGE, LONDON 3,176,300
KING, DAVID MATTHEW 3,176,486
KING, PETER 3,176,337
KIRCHMAIR, MARTIN 3,184,912
KIRCHNER, EVA 3,184,562
KIRSCHNER, CHRISTOPH 3,172,093
KISHINEVSKY, MICHAEL 3,176,338
KISHINEVSKY, MICHAEL 3,176,339
KISSINGER, DREW W. 3,185,037
KLICHINSKY, MICHAEL 3,184,807
KNIGHT-SCOTT, CHASE 3,184,792
KNOBLOCK, JASPER 3,176,345
KNOBLOCK, TANNER 3,176,345
KNUDSEN, GITTE MOOS 3,176,398
KOBELT, SEVERIN 3,176,478
KOBENHAVNS UNIVERSITET 3,174,530
KOCHAR, MANISH 3,184,660
KOEPPCHEN, TIM 3,176,331
KOHANSKI, MICHAEL 3,176,360
KOLESAR, JILL 3,185,011
KONG, YALI 3,176,375
KRABBEN, PREBEN 3,176,376
KRAHER, KLAUS 3,176,322
KRAS, SUSANNE 3,185,037
KRCHAK, JAKUB 3,174,842
KRENNING, GUIDO 3,185,054
KRISHNA, ARUN 3,176,315
KRISHNAKUMAR, HARISH 3,176,490
KRUGER, SILVIO ELTON 3,181,236
KUMAR, DANGE VIJAY 3,174,838
KUNST, EDUARDO RENATO 3,184,774
KUSTER, TRAVIS M. 3,184,893
KUSTRA, GREGORY A. 3,176,242
KUTSCHER, JOCHEN 3,176,520
KWIATKOWSKI, KRIS 3,174,619
LABORATOIRES ERIGER 3,176,403
LACABARATZ, CHRISTINE 3,184,802
LAILA NUTRACEUTICALS 3,185,049
LAIRD, MICHAEL 3,174,605
LAIRD, MICHAEL 3,184,747
LAMKANFI, MOHAMED 3,174,837
LAMONT, AARON JOSEPH 3,176,379
LANCHBURY, JERRY 3,176,329
LANNAN, CHRISTOPHER J. 3,176,395
LANZI, KRISTIN 3,176,356
LARIMAR THERAPEUTICS, INC. 3,176,208
LATTNER, JAMES R. 3,176,347
LAUBROCK, HENNING 3,176,330
LAURENT, HUGO 3,176,310
LAUTERBACH, HENNING 3,184,791
LAVOIE RONDEAU, PIER-FELIX 3,176,366
LAWRENCE, NOEL 3,184,660
LAZARSKI, KIEL 3,174,207
LAZETIC, ALEXANDRA LEIDA LIANA 3,184,752
LE DIMET, GWENN 3,176,653
LE SCOUARNEC, NICOLAS 3,176,231
LEARD, FRANCIS L. 3,185,037
LEAVITT MEDICAL, INC. D/B/A LUMEA 3,176,346
LEBLANC, COTE 3,185,037
LEBOYER, MARION 3,185,024
LECHNER, KAI 3,184,562
LEE, AMY 3,176,303
LEE, JEONG SOO 3,185,008
LEE, JEONG WON 3,176,349
LEE, JIN SOO 3,176,543
LEE, JOHN T. 3,176,476
LEE, KUNHEE 3,176,219
LEE, MIN 3,184,810
LEE, ROBERT J. 3,176,360
LEE, SEOKTAEK 3,176,219
LEIBBRAND, ALFRED 3,176,653
LEICHNER, JOSEPH MORDECHAI 3,185,008
LEON MONZON, KALET 3,174,566

LEONARDO S.P.A. 3,176,537
LEONG, HON S. 3,181,001
LEONG, YEW ANN 3,185,040
LEPAK KUC, SANDRA 3,176,358
LERT, JR., JOHN G. 3,185,026
LESKOWITZ, GARETT M. 3,176,233
LEUKO LABS, INC. 3,185,035
LEVI, TAMIR S. 3,185,009
LEVY, YVES 3,184,802
LEWARTOWSKI, ARNON 3,176,494
LEWIS, HAYLEY 3,176,328
LEWIS, RICHARD 3,184,640
LEWIS, RICHARD P. 3,176,327
LG ELECTRONICS INC. 3,184,622
LI, BAIYONG 3,176,321
LI, HAN 3,176,658
LI, JIANJUN 3,184,785
LI, JIN 3,176,493
LI, JUNTAO 3,176,383
LI, MENG 3,176,180
LI, NING 3,176,172
LI, NING 3,184,812
LI, RISHENG 3,176,324
LI, TAO 3,176,383
LI, TOMMYR 3,176,436
LI, TONG 3,176,520
LI, XIAOFAN 3,176,515
LIANG, YANKE 3,174,207
LICHTLEN, PETER 3,184,899
LIN, JACK 3,176,237
LIN, JIAN 3,176,385
LIN, MING-TEH 3,184,810
LIN, SONGNIAN 3,176,515
LINEAGE CELL THERAPEUTICS, INC. 3,184,790
LIU, BAI 3,184,756
LIU, GUOQIANG 3,184,932
LIU, JIANMING 3,176,393
LIU, PHILLIP C. 3,184,633
LIU, WEI 3,184,932
LIU, XILE 3,177,298
LIU, YANG 3,176,180
LIU, YUNFENG 3,176,324
LIU, ZHIJUN 3,161,786
LLAVERIA CROS, JOSEP 3,174,837
LLORENTY, ANDREA LETICIA ARIAS 3,176,486
LM WIND POWER A/S 3,176,345
LM WIND POWER A/S 3,176,354
LM WIND POWER R&D (HOLLAND) B.V. 3,176,354
LOCUS AGRICULTURE IP COMPANY, LLC 3,176,540
LOFERER, HANNES 3,176,325
LOGINOV, EVGENY 3,185,018
LOJEK, JOHN 3,176,242
LOPEZ, LUIS ANTONIO 3,174,838
LORENZINO, PABLO 3,184,620
LOWE, ALEXIS 3,184,625
LOWE, GINA NING LEE 3,176,520
LU, ANH S. 3,176,547
LU, DAN 3,184,746
LUIGI LAVAZZA S.P.A. 3,176,377
LUKATIT INVESTMENTS 12 (PTY) LTD 3,174,506
LUXOTTICA S.R.L. 3,176,485
MA, FASHU 3,174,545
MA, MARTIN S.H. 3,176,317
MAATTANEN, HELKA-LIINA 3,176,230
MABWELL (SHANGHAI) BIOSCIENCE CO., LTD. 3,176,385
MACDONALD, J. THARE 3,185,037
MACEACHERN, LAUREN 3,184,648
MACKEY, CHRISTOPHER 3,184,896
MACLEAN, STUART KEITH 3,174,855
MACRIDES, STEVE 3,176,356
MAESEN, THEODORUS LUDOVICUS MICHAEL 3,184,750
MAGOTTEAUX INTERNATIONAL S.A. 3,185,012
MAHADEVAPPA, SHIVAKUMAR 3,176,315
MAIMON, DAVID 3,184,887
MAINETTI S.P.A. 3,176,502
MAINETTI, MARIO 3,176,502
MAK, CHING-PONG 3,174,545
MAKINO, SHINJI 3,184,507
MALHOTRA, BIMAL KUMAR 3,184,647
MALONE, BRANDON 3,176,320
MANSFIELD, ROBERT PATRICK WILLIAM 3,176,376
MANZELLA, SALVATORE, JR. 3,185,010
MARECHAL, DAMIEN 3,176,653
MARICI, PAUL P. 3,174,849
MARTENS, RONNY 3,174,848
MARTENSSON, LINDA 3,185,020
MARTIN LOPO, MIGUEL MANUEL 3,176,725
MARTIN LOPO, MIGUEL MANUEL 3,176,730
MARTIN MARTINEZ, FRANCISCO MARIA 3,176,725
MARTIN MARTINEZ, FRANCISCO MARIA 3,176,730
MARTIN, ALEXANDRE 3,176,284
MARTINEZ VITURRO, CARLOS MANUEL 3,174,837
MARTOMO, STELLA A. 3,184,746
MASLOW, JOEL N. 3,176,360
MASON, GUY HARVEY 3,176,665
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,176,506
MASSARI, ROBERTO 3,174,851
MASSE, DANIEL 3,176,338
MASSE, DANIEL 3,176,339
MASUDA, KENICHI 3,184,502
MATSUKAWA, YOSHIHISA 3,184,767
MATSUSHITA, ERIKA 3,176,522
MATUSHANSKY, IGOR 3,184,791
MAURICE, INGMAR CHRISTIAAN 3,176,501
MAURICE, TANGUI 3,178,633
MAUST, ADAM JEFFREY 3,185,011
MAYERHOEFFER, ULRICH 3,184,562
MAZAIK, DEBRA L. 3,184,648
MAZUMDAR SHAW, KIRAN 3,174,566
MCDONNELL, SHAMUS 3,174,542
MCDOWELL, ANTHONY 3,185,011
MCGINN, SAM 3,176,338
MCGINN, SAM 3,176,339
MCKAY, DAVID 3,176,170
MCKILLOP, WILLIAM M. 3,184,784
MCKINSTRY, KARL KAI 3,176,357
MCREYNOLDS, DOUG 3,176,486
MECHTA-GRIGORIOU, FATIMA 3,176,497
MEDIN, JEFFREY A. 3,184,784
MEDSHINE DISCOVERY INC. 3,177,298
MEEMKEN, FABIAN 3,184,562
MEIJER, LAURENT 3,174,844
MELKI, AHMED 3,182,214
MEMORIAL SLOAN-KETTERING CANCER-CENTER 3,176,391
MENKE, LUCAS 3,176,330
MERCADO ALVARADO, ADALBERTO 3,184,897
MERCK SHARP & DOHME LLC 3,176,515
MERI ENVIRONMENTAL SOLUTIONS GMBH 3,176,330
MERKL, JAN-PHILIP 3,184,794
MESECAR, ANDREW 3,176,370
MESO SCALE TECHNOLOGIES, LLC. 3,184,660
METSO OUTOTEC FINLAND OY 3,184,621
MEYER, CHARLES S. 3,176,407
MEYER, CHARLES S. 3,176,510
MEYER, JASON 3,176,578
MICHAEL, RYAN E. 3,174,207
MICHELS, TILLMANN 3,176,325
MIEGE, FREDERIC 3,174,844
MIGNAN, NICOLAS 3,174,843
MIKLATZKY, EFRAIM 3,176,494
MIKULANDRIC, ROBERT 3,176,415
MILLENNIUM PHARMACEUTICALS, INC. 3,176,425
MILLER, KIMBERLY JEAN 3,184,648
MILLET INNOVATION 3,176,310
MINNEE, HANS 3,176,354
MINNETRONIX NEURO, INC. 3,184,792
MINSKI, CHRISTOPHER JOHN 3,176,648
MINUTOLO, NICHOLAS 3,184,807
MIR, AAMIR 3,176,309
MIRTCHEV, SLAVI 3,184,660
MISAGHI, SHAHRAM 3,184,747
MISHIGDORJ, BUYAN-OCHIR 3,176,402
MISSIMER, DAVID ROSS 3,176,405
MITSUYA, HIROAKI 3,176,370
MIYARA, FAICAL 3,184,746
MIZUTANI, MORITOSHI 3,176,589
MIZUTANI, YASUYUKI 3,184,767
MOK, JANINE 3,176,309
MOKVIST, ANDERS 3,176,316
MOLINARO, GABRIELE 3,176,377
MOLINE, CLEMENT 3,176,320
MOLINE, CLEMENT 3,176,326
MOLLER, PER 3,176,524
MOLLER, STEPHAN 3,174,622

MONES, JORDI 3,184,790
MORRIS, PETER 3,184,903
MUEGGENBERG, NATHAN 3,184,792
MUI, ALICE LOW-FUNG 3,176,384
MULLER, MIRKO 3,176,447
MUNDON, SUMMER KAPUAIMILIA 3,185,037
MUNNIER, EMILIE 3,176,403
MUSTAD, VIKKIE 3,176,452
MYLEK, MICHAL 3,174,842
MYRIAD GENETICS, INC. 3,176,329
NABORS, LOUIS B. 3,176,337
NAFTALI, ESMIRA 3,176,341
NAHUM, BERTIN 3,176,333
NAIDU, ARIN 3,184,744
NAIR, PRADIP 3,174,566
NAKAMURA, YOSHIHIKO 3,176,522
NAKAZATO, YUKIHIRA 3,184,915
NANALYSIS CORP. 3,176,233
NAPOLITANO, GUILLERMO E 3,176,286
NASVESCHUCK, CHRISTOPHER G. 3,174,207
NATIONAL RESEARCH COUNCIL OF CANADA 3,176,511
NATIONAL RESEARCH COUNCIL OF CANADA 3,181,236
NAULITA-ELLIS, META 3,172,093
NAUMANN, HANS J. 3,176,322
NEC LABORATORIES EUROPE GMBH 3,176,320
NEC NETWORK AND SENSOR SYSTEMS, LTD. 3,184,915
NEC ONCOIMMUNITY AS 3,176,320
NEC ONCOIMMUNITY AS 3,176,326
NEEDHAM, CHRISTOPHER 3,151,469
NEIL, GARRY A. 3,184,764
NELSON, BRADLEY J. 3,176,548
NEMER, MAROUN 3,174,487
NEMIROFF, ROBERT S. 3,176,512
NEMIROFF, ROBERT S. 3,176,516
NEOLOGY, INC. 3,176,405
NEURAVIOLET INC. 3,176,507
NEURAVIOLET INC. 3,176,513
NGUYEN, LUAN 3,176,182
NICOYA LIFESCIENCES, INC. 3,176,490
NIDD, MICHAEL 3,174,842
NIEHUES, ROBERT 3,176,578
NIENABER, THOMAS 3,176,647
NIKEDE COMERCIO E REPRESENTACOES LTDA 3,184,815
NIKOLAI, ROBERT J. 3,184,893
NILES-SIMMONS INDUSTRIEANLAGEN GMBH 3,176,322
NILSSON, KRISTOFER BO INGEMAR 3,184,779
NILSSON, KRISTOFER BO INGEMAR 3,184,804
NIPPHARMA CO., LTD. 3,184,771
NIPPON CAREER INDUSTRY CO., LTD. 3,184,507
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,176,589
NIPPON ZOKI PHARMACEUTICAL CO., LTD. 3,176,522
NISTOR, GABRIEL 3,184,883
NKARTA, INC. 3,184,752
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 3,174,288
NORGATE, MATTHEW JOHN 3,176,665
NORHEIM, GUNNSTEIN 3,176,527
NOURBAKHSH, SEYED MOHAMMAD 3,176,486
NOVOSOUND LTD 3,176,361
NUMAB THERAPEUTICS AG 3,184,899
NUNEZ, JAMES 3,184,882
NUNEZ, JAMES 3,184,884
NYKODE THERAPEUTICS ASA 3,176,527
NYMI INC. 3,174,855
O'BRIEN JOHNSON, REID 3,184,812
O'BRIEN, KATIE 3,176,805
O'BRIEN, MARK D. 3,184,907
O'CONNOR, DEVIN 3,185,017
OBJECTVIDEO LABS, LLC 3,184,629
OBUNGU, VICTOR H. 3,176,669
OCHI, HITOSHI 3,184,507
OEHLRICH, DANIEL 3,174,837
OFFERMANN, VOLKMAR 3,176,288
OH, HYUNMOOK 3,184,622
OH, SEJIN 3,184,622
OLENE LIFE SCIENCES PRIVATE LIMITED 3,184,762
OLIVIERI, ROBERTO 3,176,436
ONCOVOLUTION, LLC 3,176,270
ONDREJ, TOMAS 3,174,842
ONO, SHINICHI 3,184,771
ORLINGER, KLAUS 3,184,791
OROFINO PHARMACEUTICALS GROUP SRL 3,184,743
OROFINO, ERNESTO 3,184,743
OROTIG S.P.A. 3,176,343
ORUMBAYEV, ALTYNBEK 3,174,842
OSTERTAG, DEREK G. 3,176,697
OUBEL, ESTANISLAO 3,176,333
OUBERAI, MYRIAM 3,176,362
OUDHEUSDEN, FRANK 3,151,469
OWAKI, TAKAYUKI 3,184,767
P. BEKKERS HOLDING B.V. 3,176,400
PAIRWISE PLANTS SERVICES, INC. 3,185,017
PALACINO, JAMES 3,184,645
PALANGETIC, LJILJANA 3,176,173
PALMER, JAMES N. 3,176,360
PALURI, SRAVANTI 3,176,286
PALYS, LEONARD H. 3,174,607
PAN, JUN 3,184,811
PANDA, SANJIB KUMAR 3,184,762
PANDER, BART 3,176,376
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